Sub-Slab Depressurization System & Vapor Mitigation Work Plan

Subject Property:

115 Old Country Road Site
Country Glen Shopping Center
115 Old Country Road
Carle Place, N.Y., 11514
NYSDEC # 130199

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Stony Brook University
50 Circle Road
Stony Brook, New York 11790

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Prepared By:
Soil Mechanics Environmental Services
3770 Merrick Road
Seaford, New York 11783
Phone (516) 221-7500
Fax (516) 679-1900

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SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 Merrick Road, Seaford, NY 11783
P: 516.221.7500 Email: Soilmech@optonline.net

July 8, 2019

NYSDEC
Division of Environmental Remediation
50 Circle Rd.
SUNY @ Stoney Brook
Stoney Brook, N.Y. 11790-3409
Attn: Mr. Girish Desai, P.E.

Re: Country Glen Shopping Center
Carle Place, N.Y.
SMES Project # 19-047
NYSDEC Project # 130199

Dear Mr. Desai:

I Carl Vernick certify that I am currently a New York State registered professional engineer as defined in 6 NYCRR Part 375 and that this Sub-Slab Depressurization System & Vapor Mitigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Very truly yours,
Soil Mechanics Environmental Services

Carl Vernick, P.E.
President

I Introduction

The 115 Old Country Road Site (Site) is a shopping center on approximately 4.65-acre property. The subject shopping center property is improved with a one-story slab on-grade masonry retail building (total approximately 59,000 square feet) and asphalt paved parking areas and driveways (see Project Location Plan – Figure #1). The retail building is sub-divided in 14 separate retail spaces or units, some of which are currently vacant (see Figure #2 for list of retail space occupants and associated dimensions). The current owner of the site is Country Glen, LLC. The current owner purchased the site in 1977. Prior to the purchase, the Site was owned/operated by Laboratory Furniture, Inc., (Laboratory Furniture). Laboratory Furniture operated at the site beginning in the early 1950's, and ceased operations in 1985. Most of the building used by Laboratory Furniture were demolished and replaced with the current layout of buildings and parking areas. The subject property address is 115 Old Country Road, Carle Place, NY and is located at N 44^0 34.70" N and 73^0 13.53", which is on the north side of Old Country Road and west of Glen Cove Road. The property is bordered by commercial properties to the north, east and west and commercial and residential properties to the south.

Country Glen Center hired Impact Environmental and conducted soil vapor intrusion (SVI) evaluation at the Site during February 2009 (see their report, dated 3/23/09). The NYSDEC and Country Glen LLC subsequently entered into a Consent Order on 8/6/10 (A1-065-08-09). A Site Characterization Work Plan was then prepared by Edgewater Environmental (EE), approved by the NYSDEC, and implemented (see EE report, dated 4/13). To date, the Site owner has commissioned the installation of a sub-slab depressurization system (SSDS), consisting of two (2) independent extraction points and associated blower fans under the westernmost portion of the of the existing building, i.e., in Unit #3 (see Figure #2).

Soil vapor intrusion concerns associated with concentrations of selected volatile organic compounds (VOCs) are currently being mitigated in Units #1 through #4 (see Figure #2) of the Retail Building, i.e., by the aforementioned active SSDS. The noted SSDS, which employ sub-slab vapor extraction points, a vapor barrier, and a pair of 6" thermoplastic inline centrifugal duct blowers, were installed by others. The most recent round of soil vapor intrusion assessment sampling completed in Units #5 through #14 (see Figure #2 and Table #1) identified concentrations of selected VOC constituents, i.e., in sub-slab and correlating indoor air samples, in Units #5 (Altour), #6 (Liquor Store), and #13 (Ben's Deli) at concentrations mandating implementation appropriate mitigation measures to minimize potential exposures associated with soil vapor intrusion (see Figure #2 and Section II.a below).

II Summary of Recently Completed Investigative Activities

Long Island Analytical laboratories (Holbrook, NY) recently collected a series of sub-slab, correlating indoor air and background samples in association with Units #5 through #14 (see Figure #2, complete laboratory reports and chains of custody appended). The aforementioned samples were collected for laboratory analysis to evaluate potential exposures associated with soil vapor intrusion and determine the need for expanding or supplementing vapor intrusion mitigative measures currently employed at the subject property. The samples were collected in general conformance with the up-dated NYSDOH – Guidance for Evaluating Soil Vapor Intrusion in the State of New York (11/06) and analyzed for VOCs (EPA Method TO-15). The results of laboratory analysis indicated detectable concentrations of selected VOC constituents in all samples (see complete laboratory reports appended). Notably, Table #3.3 of the aforementioned NYSDOH guidance document call for evaluation of the detected concentrations of selected VOCs, identified in the sub-slab environment to correlating indoor air samples, utilizing a series of decision-making matrices. The results of that evaluation indicated the following categories of mandated actions (see Table A below and Table #1 appended):

(i) No further action was mandated for Units #8 (Sprint Phone Store), #9 (Lou's Pizza) and #12 (Tropical Smoothie);

(ii) Continued Monitoring (on routine basis) was mandated for Unit #7 (MRI) due to the detected concentrations of carbon tetrachloride (CT);

(iii) Identify Sources and Resample or Mitigate was mandated for Unit #10 (Bagel Boss) due to detected concentrations of vinyl chloride (VC) and Unit #11 (former Babi Nails) and #14 (Barnes & Noble) due to detected concentrations of methylene chloride (CH_2Cl_2); and

(iv) Mitigation was mandated for Units #5 (Altour), #6 (Liquor Store) and #13 (Ben's Deli) due to detected concentrations of 1,1-dichlorethene (1,1-DCE) and/or CT. Mandated actions for CH_2Cl_2 and trichloroethene (TCE) identified in association with these units will be addressed by default.

Table A

Unit	Unit Name	Contaminant of Concern	Action
1	Just Falafel	-	-
2	Super Cuts	-	-
3	Vacant	-	-
4	Vacant		-
5	Altour	CH_2Cl_2	ISRM
		1,1-DCE	MIT
		CT	MIT
6	Liquor Store	1,1-DCE	MIT
		CH_2Cl_2	ISRM
7	MRI	CT	MON
8	Sprint Phone Store	-	NFA
9	Lou's Pizza	-	NFA
10	Bagel Boss	VC	ISRM
11	Vacant (former Babi Nails)	CH_2Cl_2	ISRM
12	Tropical Smoothie (former Cups)	CH_2Cl_2	NFA
13	Ben's Deli	TCE	MON
		1,1-DCE	MIT
		CH_2Cl_2	ISRM
14	Barnes & Noble (front) Barnes & Noble (rear)	CH_2Cl_2	ISRM

111-TCA	1,1,1-trichloroethane
CT	carbon tetrachloride
PCE	terachloroethene
TCE	trichloroethene
VC	vinyl chloride
1,1-DCE	1,1-dichlorethene
cis-1,2-DCE	cis-1,2- dichlorethene
CH_2Cl_2	methylene chloride

Action - No Further Action (NFA)
Action - Mitigate (MIT)
Action - Monitor (MON)
Action - Identify source, and resample or mitigate (ISRM)

Mitigative measures to address identified impacts to indoor air quality in Unit #5 (Altour), Unit #6 (Liquor Store) and Unit #13 (Ben's Deli) are discussed in further detail in Section IV below). Notably, however, Units #10 (Bagel Boss) and Unit #11 (former Babi Nails) fall into the Identify Source and Resample or Mitigate category. Site investigations conducted, to date, by EE (see report, dated 4/13) and Long Island Analytical laboratories (LIAL - see laboratory reports, dated 4/25/18) have been unsuccessful in locating the source of the identified soil vapor intrusion concerns.

A generalized summary of soil and groundwater assessment sampling detailed in the aforementioned reports is as follows:

- EE (see report, dated 4/13)
  Laboratory analysis of soil samples acquired from seven (7) boreholes and groundwater samples from four (4) monitoring wells identified no volatile organic compounds, including chlorinated contaminates, at concentrations exceeding NYSDEC 6NYCRR part 375 Unrestricted Use Soil Cleanup Objectives or NYSDEC 6NYCRR part 703 groundwater standards.

- LIAL (see laboratory reports, dated 4/25/18)
  Laboratory analysis of soil samples from 13 boreholes and groundwater samples from five (5) monitoring wells identified no volatile organic compounds, including chlorinated contaminates, in any of the samples assessed. The only exception to the aforementioned was a detectable concentration of acetone in one of the samples assessed. Notably, that concentration of acetone was within NYSDEC its 6NYCRR part 703 groundwater standards.

Nevertheless, to proactively mitigate indoor air quality in these units, mitigative measures to address impacts to indoor air quality in Unit #10 (Bagel Boss) and Unit #11 (former Babi Nails) are also discussed in further detail in Section IV below.

Unit #14 (Barnes & Noble) also falls into the Identify Source and Resample or Mitigate category. However, this unit was constructed, employing a significant vapor barrier (see our letter, dated 1/22/19). Therefore, subsequent to installation of the mitigation system(s) in association with Units #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and Units #13 (Ben's Deli), soil vapor intrusion concerns in association with this unit will likely be effectively addressed by default. Notably, if routine monitoring activities associated with this retail space going forward continue to point to a need for more aggressive mitigative measures, same will be addressed via submission of supplemental vapor mitigation plan.

III Purpose

To date, a significant volume of investigative work has been completed at the subject property. Based on the aforementioned, vapor intrusion concerns identified in association with Units #1 to #4 appear to have been effectively mitigated via the installation of a SSDS, which employs two (2) sub-slab vapor extraction points, a vapor barrier, and a pair of 6" thermoplastic inline centrifugal duct blowers. This Work Plan (WP) was prepared in general conformance with NYSDOH – Guidance for Evaluating Soil Vapor Intrusion in the State of New York (11/06) and NYSDEC's requirements to address vapor intrusion concerns associated with Units #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli). The proposed supplemental SSDS will be installed utilizing a site-specific Quality Assurance/Quality Control (QA/QC) protocol, Health and Safety Plan (HASP – see appended), and a Community Air Monitoring Plan (CAMP – see appended to HASP). The HASP and CAMP, including real-time monitoring for volatiles and particulates, will be implemented during all ground intrusive work. Once the plan has been approved, the NYSDEC – Division of Environmental Remediation will be given one (1) week prior notice of all scheduled activities in order that they may be present during implementation of all field work. Under no circumstances will any ground intrusive activities commence prior to completion of a mark-out of utilities.

IV Summary of Proposed Supplemental Vapor Mitigation Measures Retail Building - Units #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli)

The existing SSDS installed in association with Units #1 to #4 have reportedly been effective in significantly reducing concentrations of targeted VOCs in the indoor air environments. Based on currently available information, indoor air quality within Units #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli) is being compromised by selected VOCs (see Table A above). Therefore, the existing SSDS in the Retail Building require expansion via the installation of supplemental freestanding SSDS, consisting of individual vapor extraction points connected to discrete blowers or fans. Collectively, the existing SSDS supplemented with the addition of the proposed sub-slab soil vapor extraction points and associated blowers/fans detailed herewith will, in our opinion, effectively address any soil vapor intrusion issues within the Retail Building. Naturally, the effectiveness of mitigative measures will be confirmed via regular monitoring of indoor air quality.

SSDS's are designed to create a negative pressure field directly under the building. Therefore, the design objective for vapor intrusion mitigation in the building is to maintain a differential pressure of at least -0.004 inches water column (WC) between the sub-slab and the interior of the building. The negative pressure field results in the formation of a "sink" for soil vapors present in the vicinity of the building structure. VOCs caught in the advective sweep of the negative pressure field are collected and piped to a discharge point outside the building. SSDSs are not intended to remediate residual VOC contaminated media beneath or in the area the building. The ultimate design objective is to prevent soil gases from infiltrating the building.

IV.a Details of the proposed SSDS(s) design and installation

1). The air flow characteristics associated with porosity/permeability of sub-slab soils and/or pervasive sub-slab voids were investigated via implementation of a radius of influence (ROI) survey, also referred to as a SSDS pilot test, by our office during April and May of 2019. The objective of the diagnostic testing was to investigate and evaluate the development of a negative pressure field, via the induced movement of soil gases beneath the slab. Information obtained during the ROI survey provided a direct and quantitative means to measure the development of a negative pressure field and was utilized to determine the number and location of proposed extraction points, sizes of blowers/fans, etc.

Units #5 through #13 of the retail building are, for the most part, currently occupied. The only exception to the aforementioned is Unit # 11 (former Babi Nails). We have been working closely with the tenants, as well as the landlord's electrician, plumber, HVAC contractor, IT vendors, etc., utilizing available

drawings/plans associated with underground utilities (domestic water supply, sewer, electrical, etc.) to identify suitable locations where the ROI survey could be conducted and ultimately the locations of proposed extraction points. As you are aware, the retail units of the subject shopping center are dynamic environments. Accordingly, the logistics of conducting the necessary ROI survey, installation of extraction points, etc. within the interior spaces of the individual units without causing significant inconvenience to the tenants and clientele was a daunting task.

Based the above referenced access restrictions, the ROI survey was limited to retail units that are currently vacant, i.e., Unit #11 (former Babi Nails) and Unit #4, which is located to Unit #5 (Altour) and evidenced the greatest degree of impact by VOCs (NOTE: the SSDS system currently in operation in Unit #3 was turned off 24-hours prior to implementation of our investigation). The data obtained from the survey was utilized to extrapolate the number and location of extraction points and sizes of required blowers/fans to address soil vapor intrusion concerns in Unit #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli).

The ROI survey was conducted by drilling a 2" diameter diagnostic extraction hole through the on-grade concrete slab and inserting a 1.5" PVC pipe, which was sealed to the concrete surface utilizing non-VOC modeling clay, i.e., to ensure a proper non-leaking seal. The PVC pipe was in turn attaching a Rigid® brand vacuum unit (203 cfm capacity), utilizing a Fernco® brand clamp-down fitting. Test holes (0.375" diameter) were subsequently drilled through the slab at representative distances of 5', 10' 15', 20', etc. to document the development of a negative differential pressure field under the slab of at least -0.004" water column (WC). Based on these tests, a radius of influence of approximately 20' was documented, utilizing a digital Infiltec® DM-1 micro-manometer and an anemometer (see Figures #3 and #4).

2). Prior to the installation of any supplemental SSDS system in association with the subject units necessary permits will be obtained from local municipalities and/or governmental agencies. Further, an inspection of the on-grade concrete slab building will be conducted to identify all potential entry routes for VOC contaminated soil gases into the building, i.e., cracks in concrete slabs, construction/expansion joints, annulus space around utility pipes, open sumps, etc. Any identified potential entry points will be surveyed with a portable photo ionization detector (PID) to determine if any vapor intrusion is occurring. All identified potential entry points will be sealed off, utilizing non-shrinking and non-VOC containing sealants, to prevent the entrance of soil vapors and enhance the sub-slab negative pressure field when the SSDSs are in operation.

3). Based on the results of the ROI survey, a series of 12 extraction points (1' x 1' x 2' deep - see Extraction Point Detail - Figure #5) will be installed to address soil vapor intrusion concern in Units #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli). The location of the proposed extraction points is presented in Figures #3A and #4A. Ben's Deli is open seven (7) days per week and is only accessible for installation of the proposed SSDS extraction points etc. during the 2020 Jewish High Holy Holidays. Accordingly, all work proposed for Unit #13 (Ben's Deli) will be conducted at that time.

Washed pea gravel (0.375" diameter) will be utilized to backfill around the 4" diameter PVC factory 20 slot screen vapor extraction piping, which will be wrapped in filter fabric. The extraction hole will be patched, i.e., around the PVC piping and concrete interface, utilizing mortar or non-shrink grout, to insure a good seal. Care will be taken to ensure that extraction points intercept the void zone or space that typically exists directly beneath poured on-grade slabs, i.e., differential settlement over time typically creates a series of interconnected void spaces beneath concrete slabs. While the extent and significance of these voids in transmitting soil gases is highly site-dependent, it makes sense to use every advantage possible.

4). Based on currently available information, including the permeable nature of sub-slab soil formations and established pressure field characteristics discussed above, one (1) low pressure flow continuously operating 6" PVC centrifugal in-line duct blowers (120 volt, 60hz, 327 cfm @ 0.0" SP) will be installed in association with each proposed extraction point (total 12) to effectively vent VOC compromised vapors into the environment. The blowers will not be installed directly in any occupied space. All vapors will be discharged into the environment at points located above the roof line of the existing building and minimum of 10' away for any air in-takes, vents, or windows.

The proposed extraction points will be plumbed to separate or individual blowers, utilizing 4" diameter PVC plumbing lines. Individual on/off switches will be installed for each blower/fan. Further, a differential pressure switch will be installed for each blower/fan unit and same connected to a low vacuum warning light/alarm to alert the building operator, consultant, and occupants of any malfunctions. Finally, each blower for the existing SSDS, installed in to address soil vapor intrusion concerns in Units #1 to Unit #4, will be similarly up-graded, i.e., if not already installed or not working.

5). Following installation and system start-up for Units #5 (Altour), #6 (Liquor Store), #10 (Bagel Boss), #11 (vacant nail salon a/k/a Babi Nails) and #13 (Ben's Deli), diagnostic testing will be conducted via installation of Vapor Pin® vacuum monitoring points to confirm/document the: (i) the identified extraction ROI of approximately 20'; and (ii) creation of an effective sub-slab negative pressure field of greater than 0.004" WC is being achieved, utilizing a digital micromanometer.

6). On first day of the start-up, effluent air sampling will be conducted at each blower/fan exhaust location to confirm that air emissions are in compliance with NYSDEC – Division of Air Resources, Annual Guidance Concentrations and Short-Term Guidance Concentrations. Acquired assessment samples will be submitted to Long Island Analytical laboratories of Holbrook, NY (NYSDOH ELAP certified) for analysis for targeted VOCs on premium 24-hour turnaround lab and DAR analysis. Laboratory reports will be submitted to the NYSDEC as soon as possible.

7). The proposed blowers will, in our opinion, result in the reduction of VOC concentrations compromising the indoor air within the Retail Building. Nevertheless, 30-days after start-up of the SSDS, indoor air samples will be acquired from within Units #1 to #6, #10, #11, and #13 of the Retail Building, to ensure continued protection of building occupants (see #8 below). Concurrent with the aforementioned, ambient background samples will be acquired and building product inventory and occupant questioner will be completed. Assessment activities will continue on a quarterly basis thereafter, timed to incorporate the "worst case" months of January or February. If indoor air quality data indicate evidence of elevated concentrations of targeted VOC constituents, further evaluation will be conducted to determine if the SSDSs are functioning and/or the SSDSs require modification or expansion.

8). Samples will be acquired from the Retail Building for laboratory analysis, as follows (see Figure #2 for sampling locations):

(i) Indoor air samples will be collected from Units #1 to #6, #10, #11, and #13 annually during heating season and/or after 30-days of system start up; and

(iii) Ambient air sample (minimum 2) will be collected concurrent with indoor air samples.

All indoor air samples and associated ambient air samples will be acquired for laboratory testing and results of same evaluated in accordance with New York State Department of Health (NYSDOH) - Guidance for Evaluating Soil Vapor Intrusion in the State of New York (11/06).

To obtain representative samples that meet data quality objectives, samples will be collected by properly trained field technical personnel as follows:

(i) The samples will be collected over the same period of time as the standard work shift duration, i.e., 8-hours;
(ii) At the time of sampling, any heating or air conditioning systems will not be operational;
(ii) weather, temperature and barometric pressure at time of sample will be documented;
(iii) A NYSDOH questionnaire and product inventory will be completed for each unit;
(iv) Flow rate for the samples will not exceed 0.2 liters per minute;
(v) The samples will be collected, utilizing a 1-liter Summa canisters certified to be clean by the testing laboratory and equipped with a flow regulator (not exceeding 0.2 liters per minute);
(vi) The analytical parameter for the acquired samples will include testing for VOCs (EPA Method TO-15) by Long Island Analytical Laboratories of Holbrook, NY (NYSDOH ELAP certified);
(vii) Detection limits for samples will be sufficiently comprehensive; and
(viii) At the time of sampling, all personnel will be instructed to avoid lingering in the immediate area of the sampling device.

V Operation, Maintenance, and Monitoring of Mitigation Systems

The SSDS are the only component of proposed mitigative measures at the site that will require further monitoring and/or evaluation. To monitor the system and provide notification in the event of operational issues, each extraction point will have instrumentation to detect and provide automatic alarm notification to the consultant/operator of the SSDS of low or no vacuum conditions. Further, the systems will be continuously monitored through the use of audible/visual alarms. The riser vents for the systems will be fitted with pressure differential switches that are connected to audible/visual alarms. In the event a fan fails, the alarm will illuminate/sound. Signs will be posted on the wall next to the alarm with telephone numbers to call in the event an alarm condition arises.

The building owner and occupants of the individual retail units will be given a copy of this document, which details how the systems work, their locations, and details of the SSDSs operation, monitoring and maintenance. Therefore, at any time during the systems operation, the building owner or tenants may be in a position to check that the systems are operating properly.

The SSDSs will be inspected on a quarterly basis to confirm that: (i) the fans are operating properly and as designed; (ii) all piping/plumbing is good condition; (iii) all alarm systems are functional; (iv) labeling is in place; (v) no air intakes have been installed in the vicinity of exhaust or discharge points; and (vi) all potential conduits for soil vapor entering the building, i.e., any cracks, in the on-grade slab continue to be sealed. Further, quarterly vacuum readings will be collected from at least one vapor monitoring point installed in Unit #1 to Unit #13 (see Figure #2). The finding of the quarterly inspection, including a detailed summary of any required repairs, adjustments, etc. to the systems, will be incorporated into the quarterly monitoring report detailed in section see IV.7 above. The quarterly monitoring report will be issued to the NYSDEC within 30-days of completion of monitoring efforts.

The SSDSs will remain fully operational until it has been determined, via review of appropriate documentation presented in quarterly monitoring reports discussed above, that they are no longer needed to address existing or potential related to soil vapor intrusion

VI Quality Assurance/Quality Control (QA/QC) Protocol

The procedures to be followed as part of the QA/QC protocol were implemented to ensure that the precision, accuracy, completeness, comparability, and representatives of the data generated during investigative efforts can be documented. The data quality objectives will be to generate usable and valid data. To meet data quality objectives, the following field practices will be observed:

- Appropriate Quality Assurance/Quality Control (QA/QC) procedures will be utilized during implementation of all field activities, including but not limited to use of disposable vinyl gloves during sampling. Soil-vapor samples will be collected utilizing laboratory certified clean summa canisters.
- All sampling will be conducted with disposable, hermetically sealed, sampling equipment. Trip blanks will be supplied by the testing laboratory and accompanied the samples into the field and back to the laboratory on a daily basis. The trip blanks will be laboratory analyzed for volatile organic compounds (EPA Method TO-15).
- Duplicate samples will be collected from soil, soil-vapor, and groundwater sampling locations at the rate of 10%.
- At the Site, field screening or analysis using portable field instruments, such as photo ionization and helium detectors, will be utilized during sampling efforts. These instruments will be calibrated per the manufacturer's specifications, utilizing gas standards, on a daily basis.

- Chain-of-custody records will be maintained from the time the samples are acquired until the time they were accepted by the testing laboratory. Laboratory certified clean containers will be utilized for sample collection. A New York State DOH - ELAP certified testing laboratory will complete all laboratory testing.
- Finally, satisfactory completion and compliance to the data quality objective will be assured by performing analysis in accordance with the stated methods and by requesting quality assurance/quality control procedures and deliverables to be sufficiently comprehensive so that a data validation assessment may be performed, allowing preparation of Data Usability Summary Report (DUSR). The DUSR will be appended to the report of findings.

VII Report of Findings

Following completion of vapor mitigation efforts, a Construction Completion Report will be submitted to the NYSDEC for the SSDS that covers the entire building (original SSDS and newly installed supplemental SSDS). At a minimum, the report will contain: (i) a full description of actions taken; (ii) dates mitigation efforts were completed; (iii) volumes of any waste generated; (iv) tabulation of post mitigation confirmatory samples; (v) copies of all disposal manifest, weight scale tickets, etc. provided by the final disposal facility; and (vi) findings, conclusions, and recommendations.

Note: All preliminary laboratory data will be provided to the NYSDEC immediately as it becomes available. Validated laboratory data will be provided to the noted agency for their review and evaluation, prior to the issuance of the Report of Findings.

Appendix

Appendix A

Table #1
Sub-Slab Soil Vapor & Indoor Air Sample Results (mcg/m^3)

Sample Location	Sample Type	PCE*		111-TCA		TCE*		CT		VC		1,1-DCE		cis-1,2-DCE		CH_2Cl_2*	
-	-	Action		Action		Action		Action		Action		Action		Action		Action	
Unit #10 Bagel Boss	Sub-Slab Vapor Indoor Air	106.0 0.814	NFA	143.0 <0.16	NFA	<10.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 0.792	ISRM	<7.92 <0.16	NFA	<7.92 <0.16	NFA	22.6 3.58	NFA
Unit #7 MRI	Sub-Slab Vapor Indoor Air	77.0 1.02	NFA	291.0 0.382	NFA	<10.7 <0.16	NFA	<12.6 0.503	MON	<5.12 <0.16	NFA	37.0 <0.16	NFA	<7.92 <0.16	NFA	35.8 4.55	NFA
Unit #9 Lou's Pizza	Sub-Slab Vapor Indoor Air	34.0 0.88	NFA	<10.9 0.32	NFA	<10.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 <0.16	NFA	<7.92 <0.16	NFA	40.6 3.51	NFA
Unit #5 Altour	Sub-Slab Vapor Indoor Air	172.0 1.49	NFA	572.0 0.49	NFA	22.2 <0.16	NFA	85.1 0.31	MIT	<5.12 <0.16	NFA	69.7 <0.16	MIT	<7.92 <0.16	NFA	39.9 78.5	ISRM
Unit #11 Babi Nails^	Sub-Slab Vapor Indoor Air	<13.6 1.97	NFA	525.0 0.43	NFA	<10.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 <0.16	NFA	<7.92 <0.16	NFA	41.5 17.8	ISRM
Unit #12 Tropical Smoothie^	Sub-Slab Vapor Indoor Air	97.7 <0.16	NFA	26.7 <0.16	NFA	12.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 <0.16	NFA	<7.92 <0.16	NFA	25.2 9.1	NFA
Unit #14 (rear) Barns & Noble	Sub-Slab Vapor Indoor Air	39.5 1.09	NFA	652.0 <0.16	NFA	<10.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 <0.16	NFA	<7.92 <0.16	NFA	28.5 17.4	ISRM
Unit #14 (front) Barns & Noble	Sub-Slab Vapor Indoor Air	140.0 0.74	NFA	364.0 <0.16	NFA	12.4 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 <0.16	NFA	<7.92 <0.16	NFA	35.9 18.3	ISRM
Unit #6 Liquor Store	Sub-Slab Vapor Indoor Air	272.0 1.42	NFA	209.0 <0.16	NFA	16.7 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	95.9 <0.16	MIT	<7.92 <0.16	NFA	34.5 16.1	ISRM
Unit #13 Ben's Deli	Sub-Slab Vapor Indoor Air	103.0 1.83	NFA	102.0 <0.16	NFA	<10.7 0.32	MON	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<7.92 1.19	MIT	<7.92 <0.16	NFA	34.9 28.2	ISRM
Unit #8 Sprint Phones	Sub-Slab Vapor Indoor Air	<6.78 <0.16	NFA	165.0 <0.16	NFA	<5.37 <0.16	NFA	<12.6 <0.16	NFA	<5.12 <0.16	NFA	<3.96 <0.16	NFA	<3.96 <0.16	NFA	59.7 <0.16	NFA

All concentrations in ug/m^3

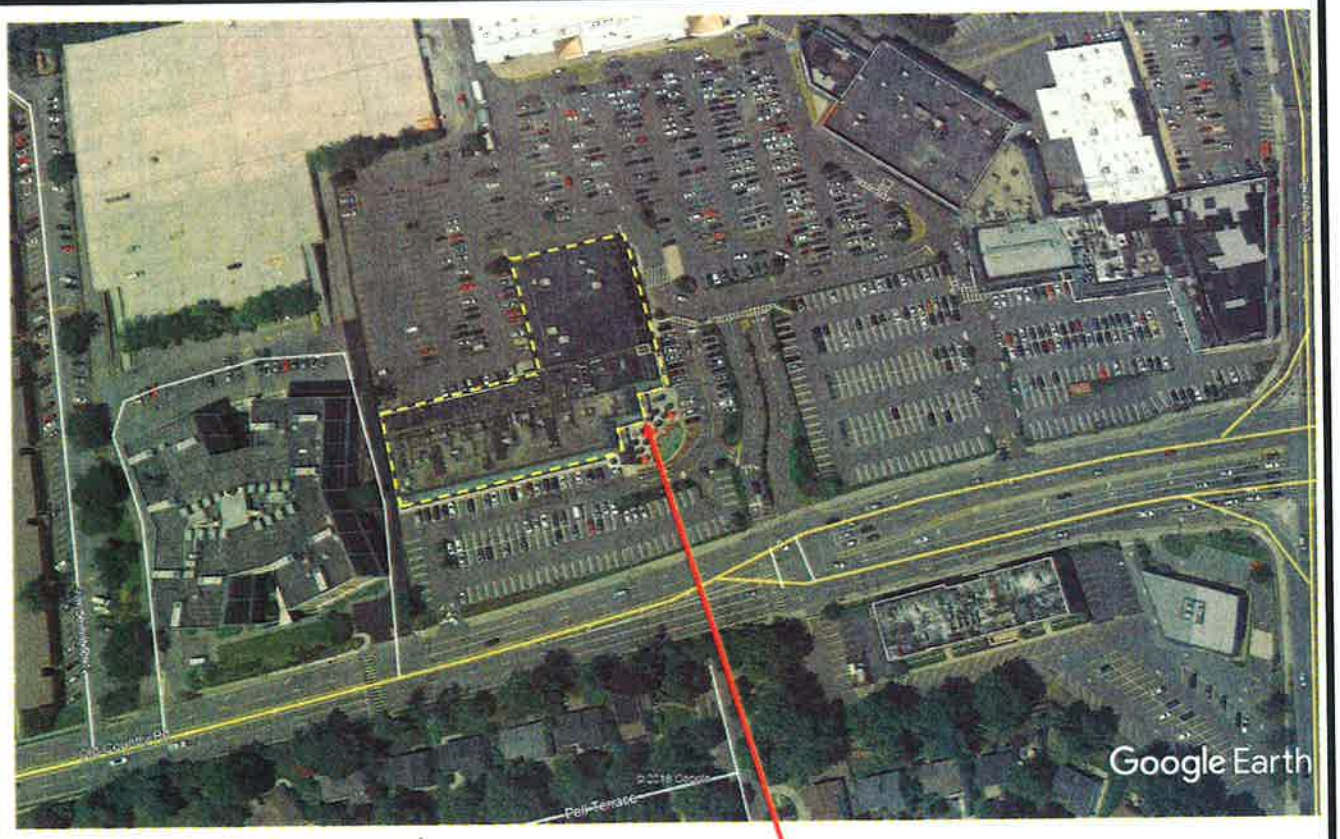
* Detected concentrations do not exceed air guidance value for PCE (30.0 ug/m^3), CH_2Cl_2 (60.0 ug/m^3) or TCE (2.0 ug/m^3)

^ Unit formerly occupied by identified occupant - now vacant

111-TCA 1,1,1-trichloroethane
CT carbon tetrachloride
PCE terachloroethene
TCE trichloroethene
VC vinyl chloride
1,1-DCE 1,1-dichlorethene
cis-1,2-DCE cis-1,2- dichlorethene
CH_2Cl_2 methylene chloride

Action No Further Action (NFA)
Action Mitigate (MIT)
Action Monitor (MON)
Action Identify source, and resample or mitigate (ISRM)

Appendix B



Country Glen Shopping Center
115 Old Country Road
Carle Place, N.Y.
40 degrees 44' 34.70" N
73 degrees 37' 13.53" W

SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 Merrick Road, Seaford, NY 11783
P 516.221.7500 Email Soilmech@optonline.net

Figure #1
Project Location Plan
Carle Place, NY

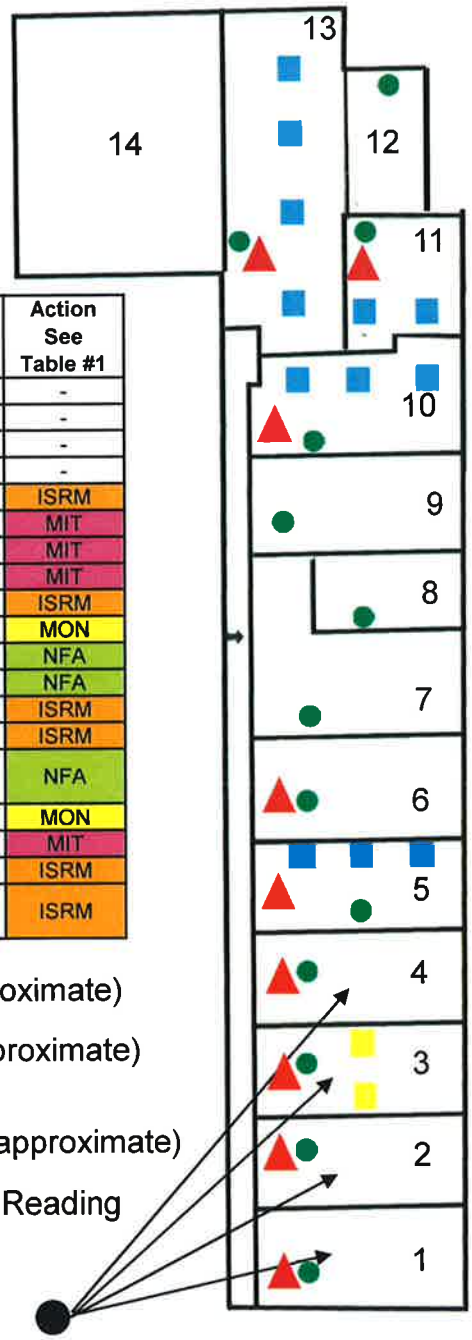
DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N

N



Unit	Unit Name	Unit Size ft.²	Contaminant of Concern	Action See Table #1
1	Just Falafel	1930	-	-
2	Super Cuts	1300	-	-
3	Vacant	2300	-	-
4	Vacant	1800		-
5	Altour	1800	CH_2Cl_2	ISRM
			1,1-DCE	MIT
			CT	MIT
6	Liquor Store	1400	1,1-DCE	MIT
			CH_2Cl_2	ISRM
7	MRI	2800	CT	MON
8	Sprint Phone Store	600	-	NFA
9	Lou's Pizza	3600	-	NFA
10	Bagel Boss	2816	VC	ISRM
11	Vacant (former Babi Nails)	2150	CH_2Cl_2	ISRM
12	Tropical Smoothie (former Cups)	1250	CH_2Cl_2	NFA
13	Ben's Deli	4400	TCE	MON
			1,1-DCE	MIT
			CH_2Cl_2	ISRM
14	Barnes & Noble (front) Barnes & Noble (rear)	30498	CH_2Cl_2	ISRM

Existing Extraction Point Location (approximate)

Proposed Extraction Point Location (approximate) See Figures #3A and #4A

Proposed Indoor Air Sampling location (approximate)

Proposed Permanent Quarterly Vacuum Reading Location (approximate)

Vapor intrusion concerns currently being addressed with sub-slab venting system, installed by others

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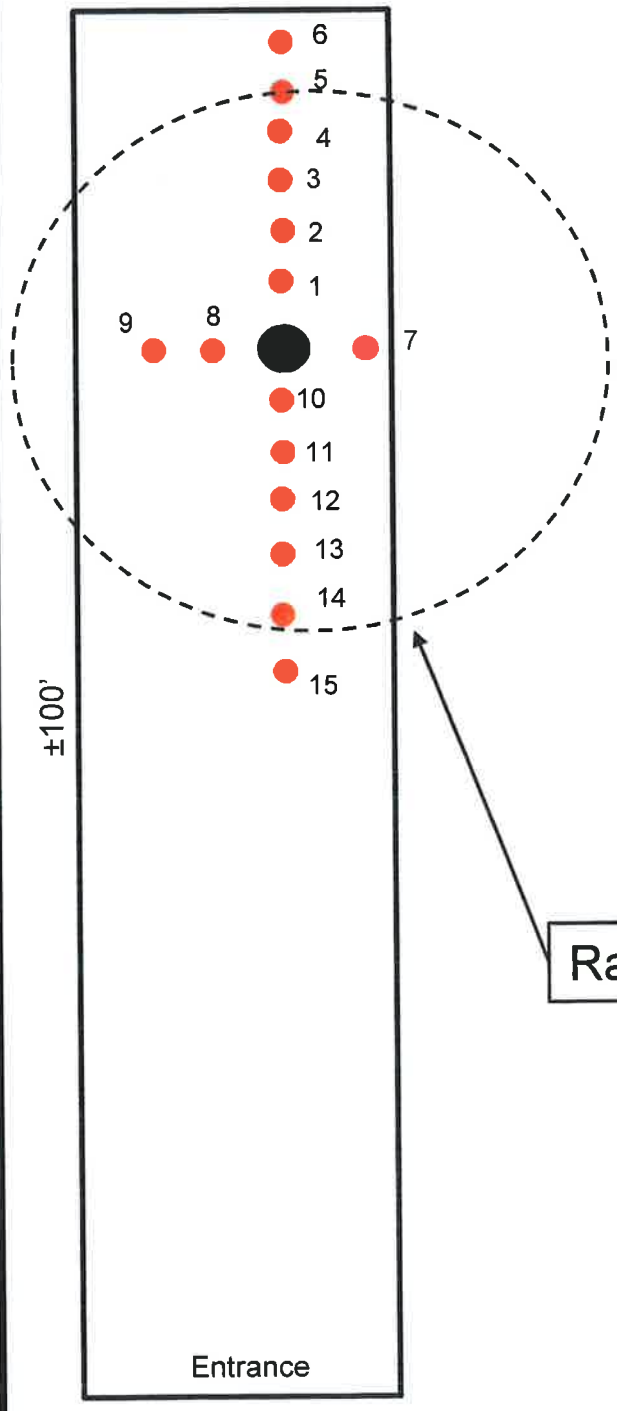
Figure #2
Sub-Slab Extraction Point Location Plan
Carle Place, NY

DATE: 7/19

SCALE: N.T.S.

JOB NO.: 19-047



Temporary Vapor Measuring Point #	Inches Water Column
1	0.282
2	0.206
3	0.074
4	0.036
5	0.008
6	0.002
7	0.319
8	0.483
9	0.102 (8" void)
10	0.768
11	0.430
12	0.340
13	0.117
14	0.560
15	0.002 (1" void)

Temporary Vacuum Point - TVP

Temporary Vacuum Measuring Point 5.0' OC from TVP

Radius of Influence (ROI) = 20'±

Scale

0' 20'

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Figure #3
ROI Survey Unit #4

DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N

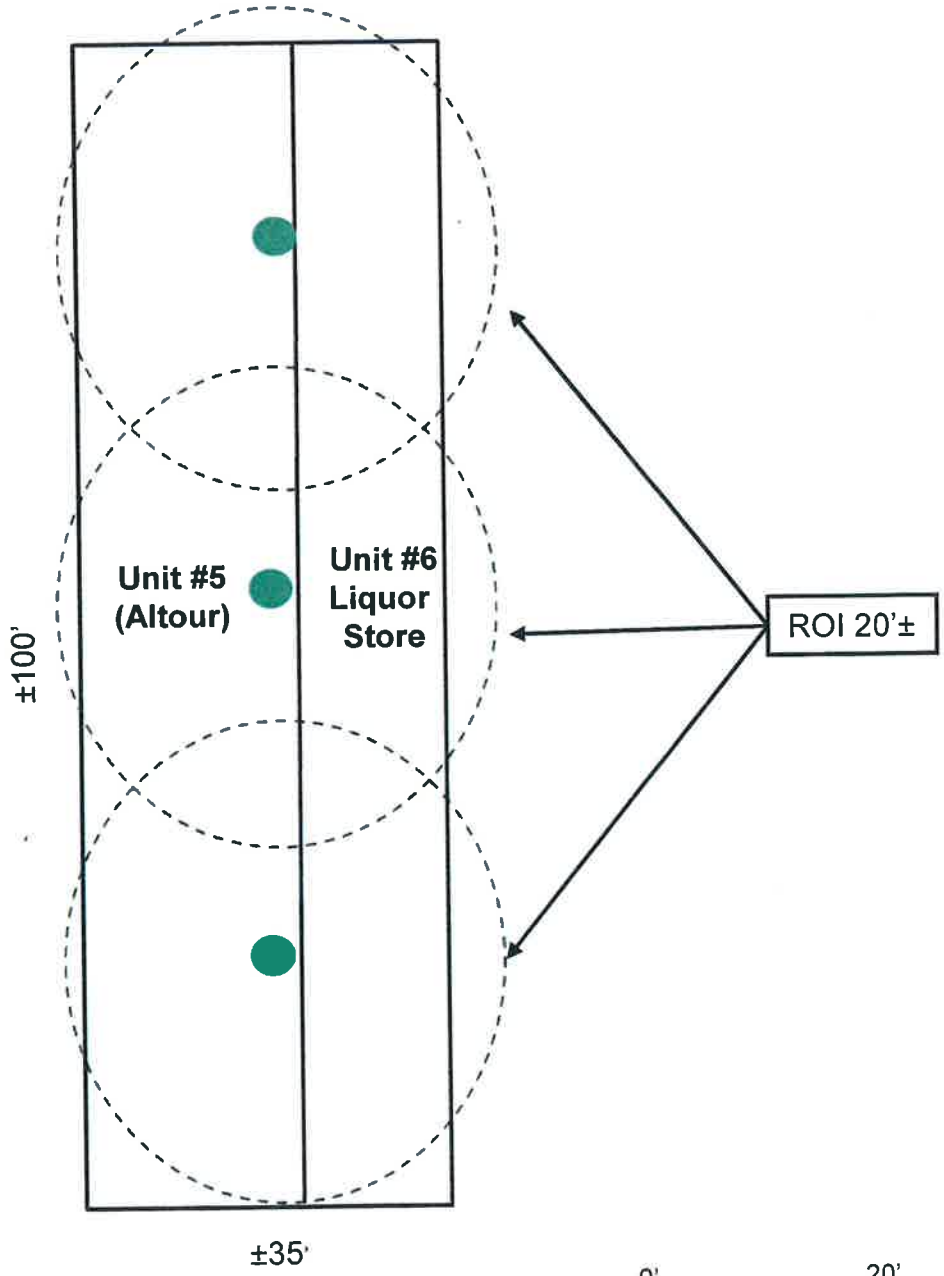

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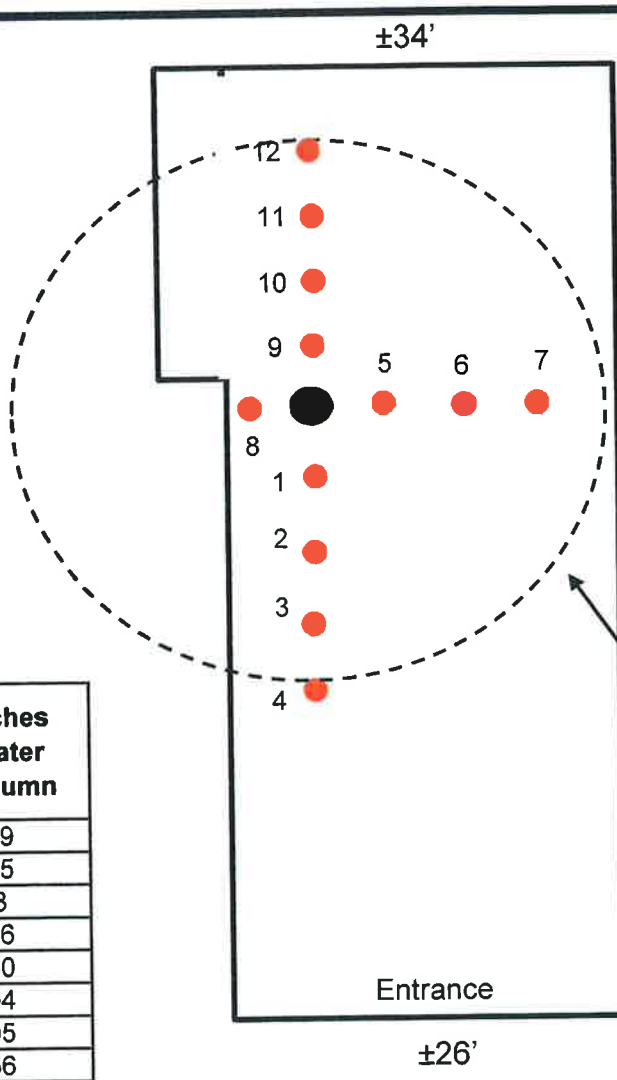
Figure #3A
Sub-Slab Extraction Point
Location Plan
Carle Place, NY

DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N



Temporary Vapor Measuring Point #	Inches Water Column
1	1.389
2	0.275
3	0.108
4	0.016
5	1.250
6	0.004
7	0.005
8	0.856
9	+2.20
10	0.910
11	0.428
12	0.166

Radius of Influence (ROI) = 20'±

● Temporary Vacuum Point - TVP

● Temporary Vacuum Measuring Point 5.0' OC from TVP

0' 20'
Scale

SOIL MECHANICS ENVIRONMENTAL SERVICES
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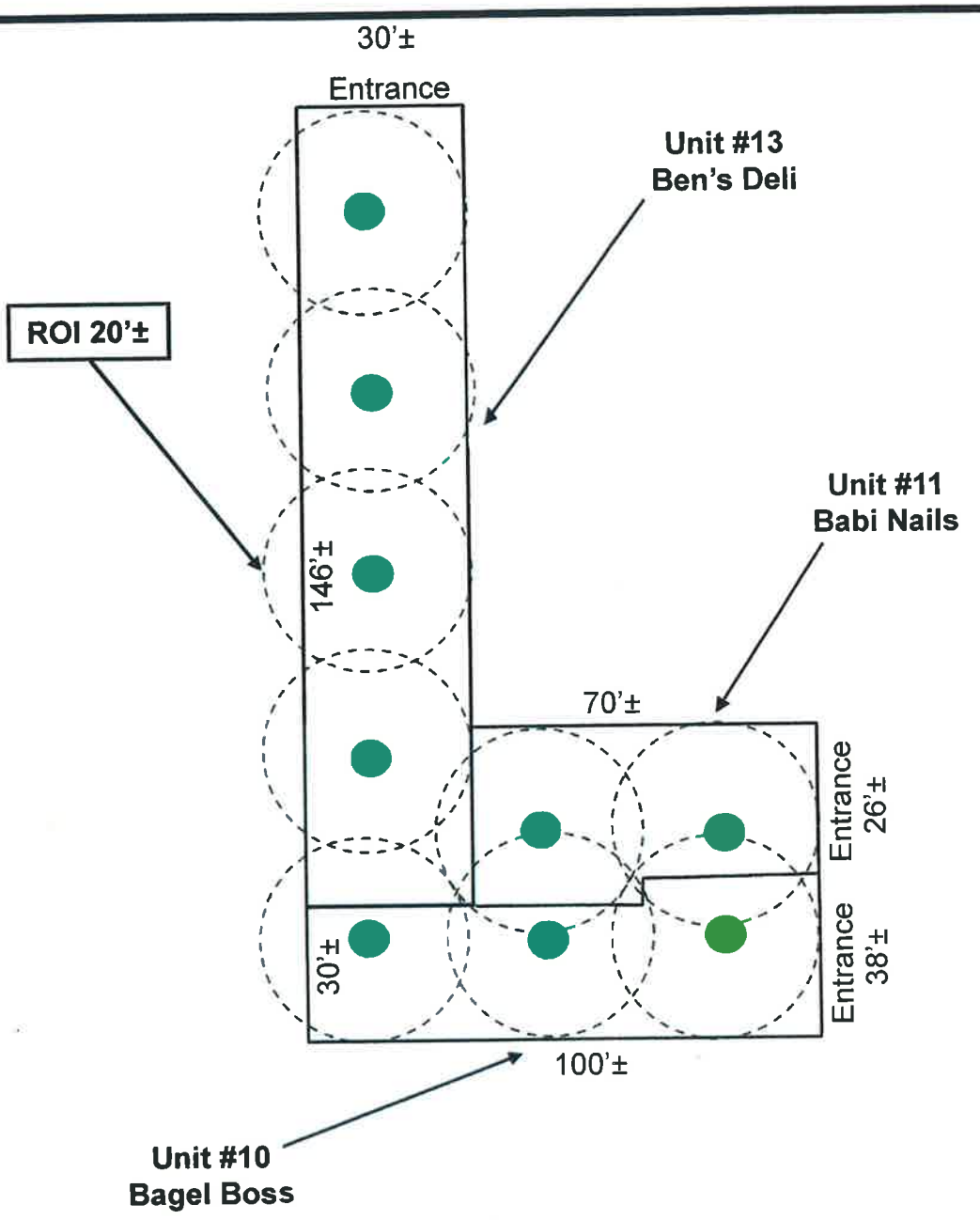
Figure #4
ROI Survey Unit #11
Carle Place, NY

DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N



SOIL MECHANICS ENVIRONMENTAL SERVICES
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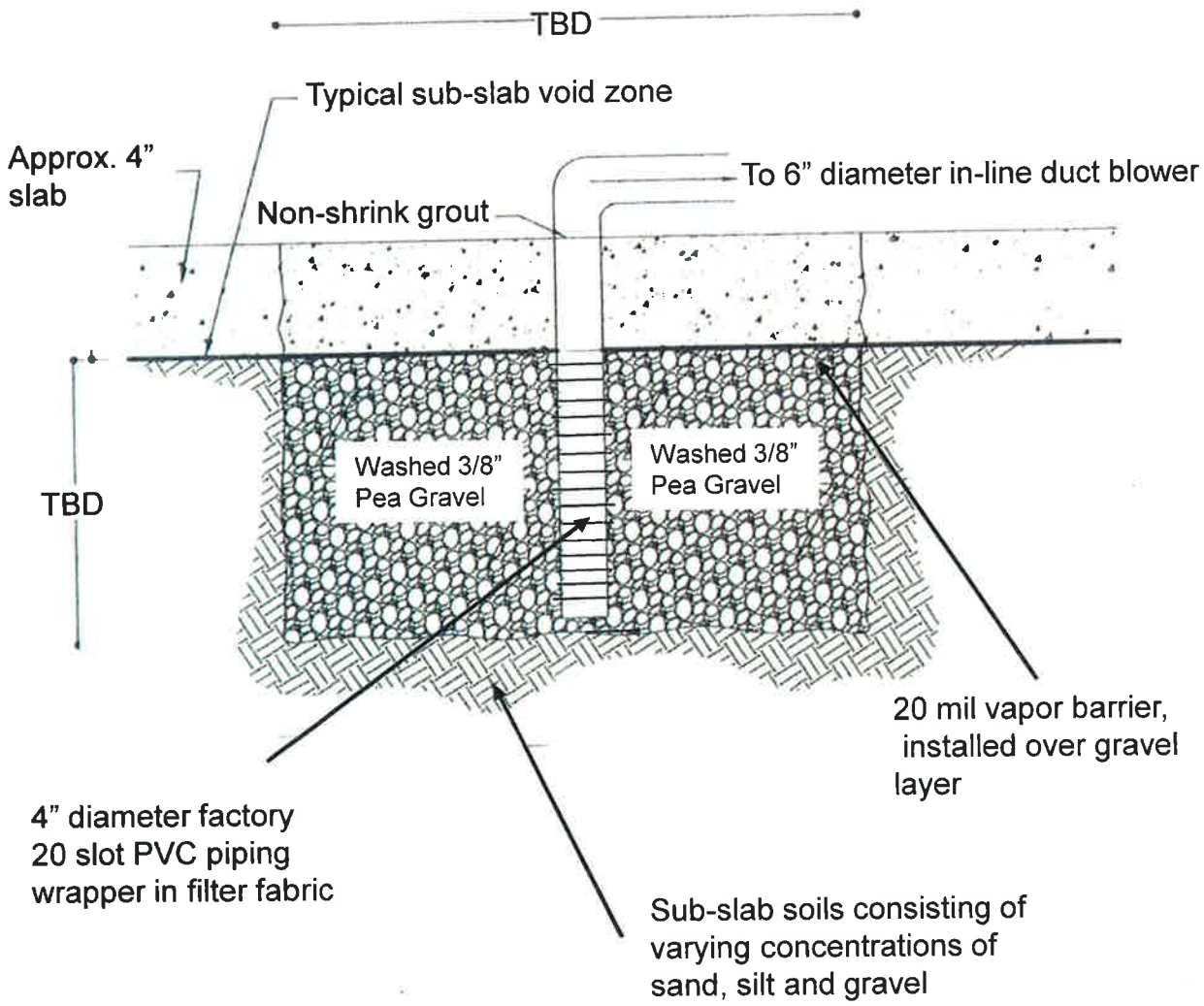
Figure #4A
Sub-Slab Extraction Point Location Plan
Carle Place, NY

DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N



SOIL MECHANICS ENVIRONMENTAL SERVICES
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P 516 221 7500 Email Soilmech@optonline.net

Figure #5
Extraction Point Detail
Carle Place, NY

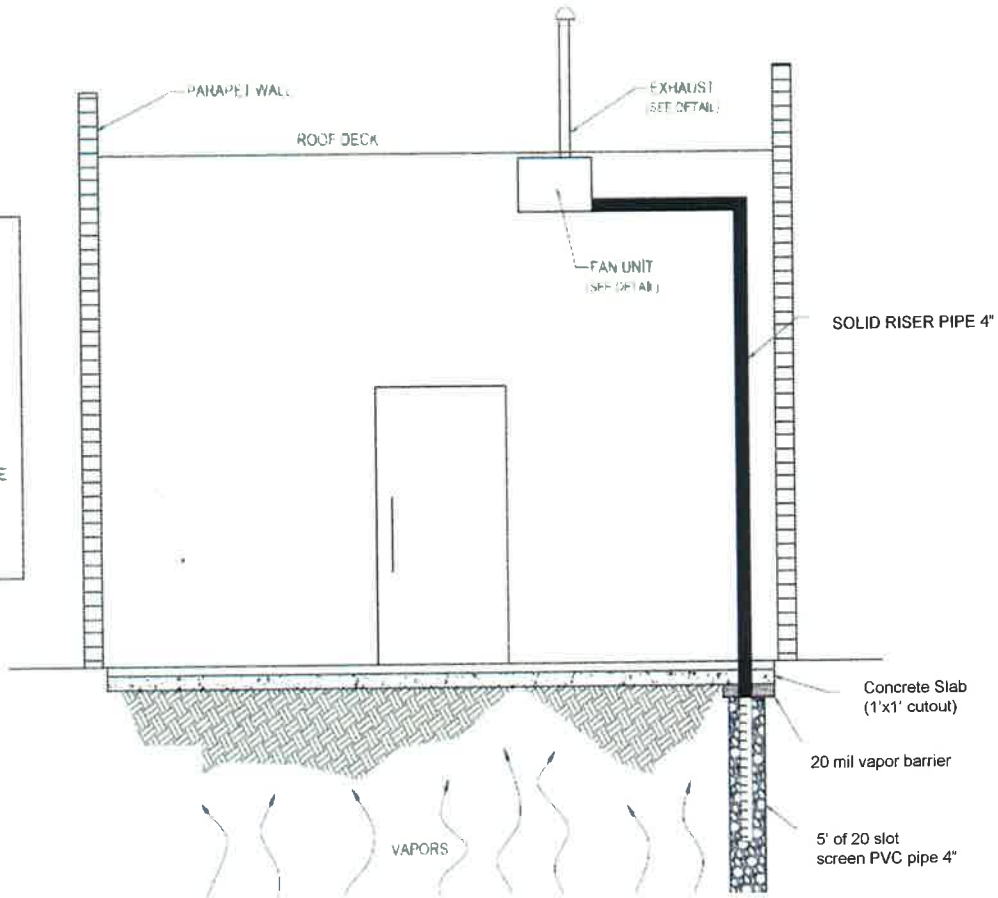
DATE: 1/19

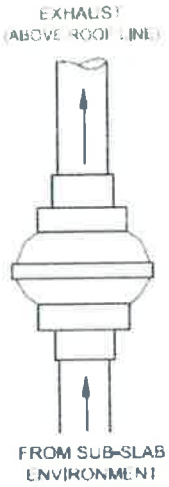
SCALE: N.T.S.

JOB NO.: 19-047

SOIL MECHANICS ENVIRONMENTAL SERVICES
3770 Merrick Road, Seaford, NY 11783
P 516 221 7500 Email Soilmech@optonline.net

KEY:
- CONCRETE SLAB
- 20 MIL VAPOR BARRIER
- 4" SOLID PVC RISER PIPE
- GRAVEL LAYER
- 4"-20 SLOT SCREEN PVC PIPE
- SOIL SUB-GRADE





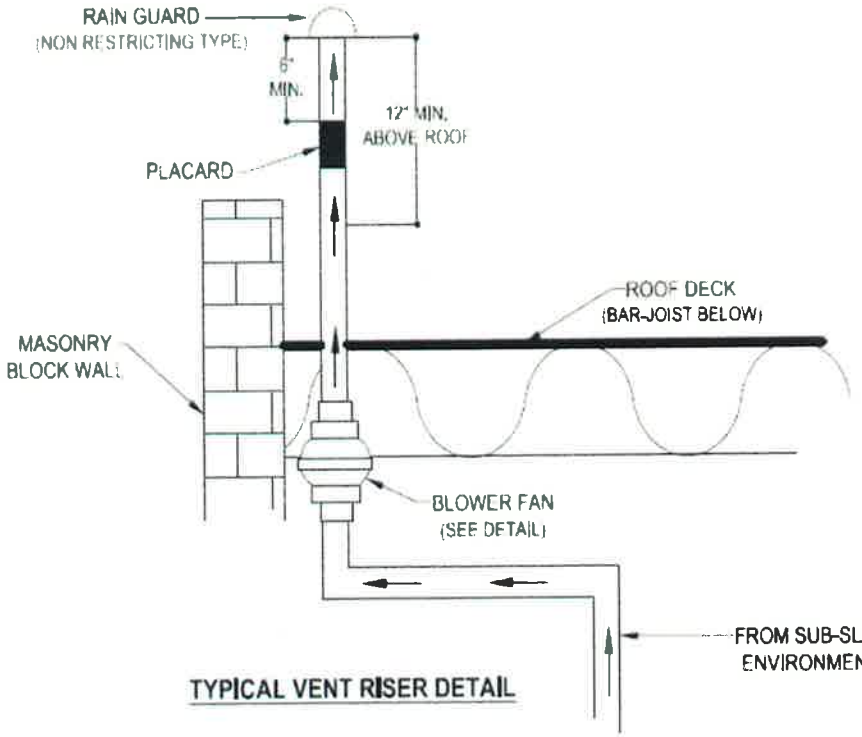
BLOWER/FAN UNIT DETAIL
GRAINER MODEL #3C517
CENTRIFUGAL INLINE BLOWER FAN

- FAN TO BE CONTINUOUSLY OPERATING
- POWER SUPPLY TO HAVE LIGHT INDICATING SYSTEM IS ON AND OPERATIONAL

Figure #6
Carle Place, NY

SCALE:	DATE:	JOB NO.:
N.T.S.	1/19	19-047

SOIL MECHANICS ENVIRONMENTAL SERVICES
3770 Merrick Road, Seaford, NY 11783
P 516 221 7500 Email Soilmech@optonline.net



TYPICAL VENT RISER DETAIL

NOTES: VENT RISER
THE DISCHARGE POINT FOR ALL 4"Ø SOLID PVC RISER PIPES WILL CONSIST OF SCREENED/WEATHERPROOF CAP & BE LOCATED
A.) MINIMUM 10.0' AWAY FROM ANY WINDOW, DOOR, DOOR HATCH, OPENING, OR AIR INTAKE TO THE BUILDING.
B.) TERMINATED MINIMUM 12" ABOVE THE BUILDING ROOF.
C.) MINIMUM 5.0' AWAY FROM ANY ELECTRICAL EQUIPMENT.
THE RISER PIPES WILL BE PLACARDED TO READ **"SOIL GAS PIPE/VENT - NO SMOKING OR ELECTRICAL EQUIPMENT WITHIN 10.0'.**

Figure #7
Carle Place, NY

DATE: 1/19
SCALE: N.T.S.
JOB NO.: 19-047

Appendix C

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 8031607

September 06, 2018

MHM Management Country Glenn Cntr
Murray Miller
143 Old Country Rd
Carl Place, NY 11514

Re: Country Glen

Dear Murray Miller,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on March 16, 2018. Long Island Analytical laboratories analyzed the samples on March 19, 2018 for the following:

SAMPLE ID	ANALYSIS
Barnes + Noble Rear Sub-Slab	TO-15
Barnes + Noble Front Sub-Slab	TO-15
Barnes + Noble Ambient Rear	TO-15
Barnes + Noble Ambient Front	TO-15
Liquor Store Sub-Slab	TO-15
Liquor Store Ambient	TO-15
Liquor Store Ambient (Dup)	TO-15
Bens Sub-Slab	TO-15
Bens Ambient	TO-15
Soil Vapor #1	TO-15
Soil Vapor #2	TO-15
Soil Vapor #3	TO-15

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Rear Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-01
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	136	652	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	40.5	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Rear Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	23.1	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	12.9	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	69.8	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	28.5	ug/m³	4.K, 3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	39.5	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Rear Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	252	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	93	60-140	
Bromochloromethane	74-97-5	96	60-140	
Chlorobenzene-d5	3114-55-4	96	60-140	

Date Prepared: 03/17/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Front Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-02
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	364	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	8.99	ug/m³	3.E
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	72.7	ug/m³	3.E
Acetone	67-64-1	4.76	120	ug/m³	3.E, 4.K
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Front Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	54.2	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	29.5	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	73.4	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	9.67	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	35.9	ug/m³	4.K, 3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	140	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	7.61	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:45	Sample ID: Barnes + Noble Front Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	12.4	ug/m³	3.E
Trichlorofluoromethane	75-69-4	11.2	135	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	104	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	93	60-140	
Bromochloromethane	74-97-5	96	60-140	
Chlorobenzene-d5	3114-55-4	95	60-140	

Date Prepared: 03/17/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Rear
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-03
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	59.1	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Rear
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-03
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	35.6	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	7.96	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	39.0	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	17.4	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.09	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	9.57	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Rear
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-03
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.M, 4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	92	60-140	
Bromochloromethane	74-97-5	95	60-140	
Chlorobenzene-d5	3114-55-4	95	60-140	

Date Prepared: 03/17/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Front
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-04
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	33.8	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Front
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-04
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	28.1	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	6.88	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	36.7	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	18.3	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	0.746	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	8.89	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 16:47	Sample ID: Barnes + Noble Ambient Front
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-04
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	103	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	93	60-140	
Bromochloromethane	74-97-5	95	60-140	
Chlorobenzene-d5	3114-55-4	95	60-140	

Date Prepared: 03/17/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:01	Sample ID: Liquor Store Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-05
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	209	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	243	ug/m³	3.E
1,1-Dichloroethylene	75-35-4	7.92	95.9	ug/m³	3.E
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	4.C, 3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	45.6	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:01	Sample ID: Liquor Store Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-05
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	38.3	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	11.6	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	82.0	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	9.83	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	34.5	ug/m³	3.E, 4.C
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	272	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	12.7	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:01	Sample ID: Liquor Store Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-05
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	16.7	ug/m³	3.E
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	90	60-140	
Bromochloromethane	74-97-5	91	60-140	
Chlorobenzene-d5	3114-55-4	92	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-06
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	4.K
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	27.3	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	183	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A, 4.C
Isopropanol	67-63-0	4.92	7.03	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	29.3	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	9.09	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	16.1	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A, 4.C
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.42	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	94	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	86	60-140	
Bromochloromethane	74-97-5	90	60-140	
Chlorobenzene-d5	3114-55-4	93	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient (Dup)
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-07
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	4.K
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	26.8	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	0.315	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient (Dup)
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-07
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	197	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	6.74	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	29.1	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	17.8	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	0.814	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:05	Sample ID: Liquor Store Ambient (Dup)
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-07
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	86	60-140	
Bromochloromethane	74-97-5	89	60-140	
Chlorobenzene-d5	3114-55-4	90	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/18/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:11	Sample ID: Bens Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-08
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	102	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	17.2	ug/m³	3.E
Acetone	67-64-1	4.76	54.2	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:11	Sample ID: Bens Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-08
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	27.6	ug/m³	3.E
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	1980	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	19.7	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	80.0	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	13.0	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	11.0	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	34.9	ug/m³	4.C, 3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	103	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	8.59	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:11	Sample ID: Bens Sub-Slab
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-08
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	24.3	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	97	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	87	60-140	
Bromochloromethane	74-97-5	91	60-140	
Chlorobenzene-d5	3114-55-4	91	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/19/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:12	Sample ID: Bens Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-09
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	4.K
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	1.19	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	186	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:12	Sample ID: Bens Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-09
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	711	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	56.9	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	48.4	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	28.2	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.83	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 17:12	Sample ID: Bens Ambient
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-09
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	0.322	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	89	60-140	
Bromochloromethane	74-97-5	90	60-140	
Chlorobenzene-d5	3114-55-4	92	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/19/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #1
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-10
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	<10.9	ug/m³	3.A
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	42.9	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #1
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-10
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	54.4	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	10.2	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	32.3	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	10.2	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	6.02	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	42.2	ug/m³	4.C, 3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	7.26	ug/m³	3.E
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	<13.6	ug/m³	3.A
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #1
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-10
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	97	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	87	60-140	
Bromochloromethane	74-97-5	88	60-140	
Chlorobenzene-d5	3114-55-4	93	60-140	

Date Prepared: 03/18/2018

Date Analyzed: 03/19/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 14:45	Sample ID: Soil Vapor #2
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-11
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	<10.9	ug/m³	3.A
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	40.5	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 14:45	Sample ID: Soil Vapor #2
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-11
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	34.4	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	9.19	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	30.7	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	13.2	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	41.8	ug/m³	3.E, 4.C
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	4.C, 3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	7.05	ug/m³	3.E
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	<13.6	ug/m³	3.A
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 14:45	Sample ID: Soil Vapor #2
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-11
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	101	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	88	60-140	
Bromochloromethane	74-97-5	90	60-140	
Chlorobenzene-d5	3114-55-4	90	60-140	

Date Prepared: 03/18/2018

Preparation Method: TO-15

Date Analyzed: 03/19/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #3
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-12
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	<10.9	ug/m³	3.A
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A, 4.C
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	19.1	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #3
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-12
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	26.2	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	4.C, 3.A
Isopropanol	67-63-0	4.92	6.54	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	<6.94	ug/m³	4.C, 3.A
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A, 4.C
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	<13.6	ug/m³	3.A
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/15/2018 15:02	Sample ID: Soil Vapor #3
Date (Time) Received: 03/16/2018 09:44	Laboratory ID: 8031607-12
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	86	60-140	
Bromochloromethane	74-97-5	88	60-140	
Chlorobenzene-d5	3114-55-4	92	60-140	

Date Prepared: 03/18/2018

Preparation Method: TO-15

Date Analyzed: 03/19/2018

Analytical Method: TO-15

Data Qualifiers Key Reference:

3.A	Reporting limit raised due to matrix interference.
3.E	Compound reported at a dilution factor.
4.C	Target compound found in blank.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
4.M	LCS recovery was above QC acceptance limit.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Long Island Analytical Laboratories Inc.
110 Colin Drive
Holbrook, New York 11741
(631) 472-3400 • Fax 472-8505
E-mail:LIAL@lialinc.com

www.lialinc.com

Chain of Custody – TO-15

PAGE ____ OF ____

CLIENT	PROJECT	DATE COLLECTED	8031607
CLIENT ADDRESS	LOCATION	TECHNICIAN	
CLIENT PHONE	E-MAIL ADDRESS	TURNAROUND TIME: BY / / ☒ NORMAL ☐ STAT	

LABORATORY NO. For Laboratory Use Only	CANISTER NO. / REGULATOR NO.	SAMPLE LOCATION	TIME ON	TIME OFF	VACUUM GUAGE START ("Hg)	VACUUM GUAGE END ("Hg)	LEAK DETECTOR ANALYTE	ANALYSIS METHOD
1. 8031607-01	035	Berns + Noble Rear Sub Slab	9:00		-30		He	TO-15
2. -02	058A	Berns + Noble Front Sub Slab	9:00		-30		He	TO-15
3. -03	050	Berns + Noble Ambient Rear	9:00		-30		He	TO-15
4. -04	055	Berns + Noble Ambient Front	9:00		-30		He	TO-15
5. -05	037	Liquor Store Sub Slab	9:10	1701	-30		He	TO-15
6. -06	041	Liquor Store Ambient	9:10		-30	-7	He	TO-15
7. -07	054	Liquor Store Ambient (Dup)	9:10		-30	-7	He	TO-15
8. -08	034	Berns Sub-Slab	9:30	1711	-30	-8	He	TO-15
9. -09	033	Berns Ambient	9:30		-30	-7	He	TO-15
10. -10	015	Soil Vapor #1	9:35	1502	-30	-3	He	TO-15
11. -11	010	Soil Vapor #2	9:35	1445	-30	-3	He	TO-15
12. -12	016	Soil Vapor #3	9:35	1502	-30	-3	He	TO-15
13.								
14.								

COMMENTS

LEAK DETECTOR ANALYTES
(1) ISOPROPYL ALCOHOL (2) HELIUM (BY TECHNICIAN IN THE FIELD) (3) OTHER

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
RELINQUISHED BY (SIGNATURE)	DATE 8/15/18 TIME 1840	PRINTED NAME NICK MARTINO	SAMPLE CUSTODIAN Kelley Kavanaugh	DATE 8/16/18 TIME 0940	PRINTED NAME Kelley Kavanaugh

WHITE-LAB CANARY-CLIENT

NYSDOH ELAP# 11693

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LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 8031606

August 08, 2018

MHM Management Country Glenn Cntr
Murray Miller
143 Old Country Rd
Carl Place, NY 11514

Re: Country Glen

Dear Murray Miller,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on March 16, 2018. Long Island Analytical laboratories analyzed the samples on March 20, 2018 for the following:

SAMPLE ID	ANALYSIS
Bagel Boss Sub-Slab	TO-15
Bagel Boss Ambient	TO-15
MRI-Sub Slab	TO-15
MRI-Ambient	TO-15
Front-Control	TO-15
Rear-Control	TO-15
Lous Pizza Sub-Slab	TO-15
Lous Pizza Ambient	TO-15
Altour Sub Slab	TO-15
Altour Ambient	TO-15
Babi Nails Sub-Slab	TO-15
Babi Nails Ambient	TO-15
Vacant Store (Cups) Sub Slab	TO-15
Vacant Store (Cups) Ambient	TO-15

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:35	Sample ID: Bagel Boss Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-01
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	143	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	18.7	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:35	Sample ID: Bagel Boss Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	10.9	ug/m³	4.O, 3.E
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	133	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	10.2	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	89.3	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	22.6	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	106	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	7.76	ug/m³	4.O, 3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:35	Sample ID: Bagel Boss Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	17.9	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	83	60-140	
Bromochloromethane	74-97-5	84	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:40	Sample ID: Bagel Boss Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-02
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	129	ug/m³	3.E, 4.K
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:40	Sample ID: Bagel Boss Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	1230	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	16.4	ug/m³	3.E
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	350	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	3.58	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	0.814	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:40	Sample ID: Bagel Boss Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	0.792	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	101	70-130	
4-Bromofluorobenzene	460-00-4	79	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	81	60-140	
1,4-Difluorobenzene	540-36-3	87	60-140	
Bromochloromethane	74-97-5	82	60-140	
Bromochloromethane	74-97-5	90	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	
Chlorobenzene-d5	3114-55-4	90	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:43	Sample ID: MRI-Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-03
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	291	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	124	ug/m³	3.E
1,1-Dichloroethylene	75-35-4	7.92	37.0	ug/m³	3.E
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	101	ug/m³	3.E
Acetone	67-64-1	4.76	48.2	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:43	Sample ID: MRI-Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-03
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	51.0	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	13.0	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	85.5	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	10.4	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	35.8	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	77.0	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	9.87	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:43	Sample ID: MRI-Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-03
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	12.2	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	81	60-140	
Bromochloromethane	74-97-5	82	60-140	
Chlorobenzene-d5	3114-55-4	87	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:50	Sample ID: MRI-Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-04
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	0.382	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	16.2	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	0.503	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:50	Sample ID: MRI-Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-04
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	947	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	30.0	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	4.55	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.02	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:50	Sample ID: MRI-Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-04
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	
4-Bromofluorobenzene	460-00-4	81	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	78	60-140	
1,4-Difluorobenzene	540-36-3	86	60-140	
Bromochloromethane	74-97-5	84	60-140	
Bromochloromethane	74-97-5	89	60-140	
Chlorobenzene-d5	3114-55-4	84	60-140	
Chlorobenzene-d5	3114-55-4	87	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:52	Sample ID: Front-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-05
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	<10.9	ug/m³	3.A
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	7.70	ug/m³	3.E, 4.K
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:52	Sample ID: Front-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-05
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	17.7	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	<4.92	ug/m³	3.A
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	<6.94	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	1.74	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:52	Sample ID: Front-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-05
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	<13.6	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	<0.160	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	96	70-130	
4-Bromofluorobenzene	460-00-4	83	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	81	60-140	
1,4-Difluorobenzene	540-36-3	85	60-140	
Bromochloromethane	74-97-5	81	60-140	
Bromochloromethane	74-97-5	87	60-140	
Chlorobenzene-d5	3114-55-4	84	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:55	Sample ID: Rear-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-06
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	172	<172	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	192	<192	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	136	<136	ug/m³	3.A
1,1-Dichloroethane	75-34-3	101	<101	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	186	<186	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	123	<123	ug/m³	3.A
1,2-Dibromoethane	106-93-4	192	<192	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	150	<150	ug/m³	3.A
1,2-Dichloroethane	107-06-2	101	<101	ug/m³	3.A
1,2-Dichloropropane	78-87-5	116	<116	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	192	<192	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	123	<123	ug/m³	3.A
1,3-Butadiene	106-99-0	55.2	<55.2	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	150	<150	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	150	<150	ug/m³	3.A
1,4-Dioxane	123-91-1	90.0	<90.0	ug/m³	3.A
4-Ethyltoluene	622-96-8	123	<123	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	102	<102	ug/m³	3.A
Acetone	67-64-1	59.5	<59.5	ug/m³	3.A, 4.K
Acrolein	107-02-8	57.2	<57.2	ug/m³	3.A
Benzene	71-43-2	79.8	<79.8	ug/m³	3.A
Benzyl Chloride	100-44-7	130	<130	ug/m³	3.A
Bromodichloromethane	75-27-4	168	<168	ug/m³	3.A
Bromoform	75-25-2	258	<258	ug/m³	3.A
Bromomethane	74-83-9	97.0	<97.0	ug/m³	3.A
Carbon disulfide	75-15-0	77.8	<77.8	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	115	<115	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:55	Sample ID: Rear-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	66.0	<66.0	ug/m³	3.A
Chloroform	67-66-3	122	<122	ug/m³	3.A
Chloromethane	74-87-3	51.5	<51.5	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	114	<114	ug/m³	3.A
Cyclohexane	110-82-7	86.0	<86.0	ug/m³	3.A
Dibromochloromethane	124-48-1	213	<213	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	124	<124	ug/m³	3.A
Ethanol	64-17-5	47.0	<47.0	ug/m³	3.A
Ethyl Acetate	141-78-6	90.0	<90.0	ug/m³	3.A
Ethylbenzene	100-41-4	108	<108	ug/m³	3.A
Hexachlorobutadiene	87-68-3	266	<266	ug/m³	3.A
Isopropanol	67-63-0	61.5	<61.5	ug/m³	3.A
m,p-Xylenes	108-38-3/106-42-3	217	<217	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	102	<102	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	73.8	<73.8	ug/m³	3.A
Methyl Methacrylate	80-62-6	102	<102	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	<0.160	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	90.2	<90.2	ug/m³	3.A
Naphthalene	91-20-3	131	<131	ug/m³	3.A
n-Heptane	142-82-5	102	<102	ug/m³	3.A
n-Hexane	110-54-3	88.0	<88.0	ug/m³	3.A
o-Xylene	95-47-6	108	<108	ug/m³	3.A
Propylene	115-07-1	77.8	<77.8	ug/m³	3.A
Styrene	100-42-5	106	<106	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	<0.160	ug/m³	
Tetrahydrofuran	109-99-9	73.8	<73.8	ug/m³	3.A
Toluene	108-88-3	94.2	<94.2	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	99.0	<99.0	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:55	Sample ID: Rear-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	114	<114	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	140	<140	ug/m³	3.A
Vinyl Acetate	108-05-4	88.0	<88.0	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	95	70-130	
4-Bromofluorobenzene	460-00-4	80	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	84	60-140	
1,4-Difluorobenzene	540-36-3	84	60-140	
Bromochloromethane	74-97-5	85	60-140	
Bromochloromethane	74-97-5	85	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	

Date Prepared: 03/16/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

M&M Management Country Glenn Cntr	Client ID: Country Glen
Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Sub-Slab
Time) Received: 03/15/2018 09:45	Laboratory ID: 8031606-07
Air	ELAP: #11693

Analysis

	CAS No.	LOQ	Result	Units	Flag
hane	71-55-6	10.9	<10.9	ug/m³	3.A
roethane	75-34-3	13.7	<13.7	ug/m³	3.A
1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
ethane	75-09-2	10.9	<10.9	ug/m³	3.A
mane	75-34-3	8.10	<8.10	ug/m³	3.A
ylene	75-35-4	7.92	<7.92	ug/m³	3.A
zene	120-12-7	14.8	<14.8	ug/m³	3.A
nzene	95-63-6	9.84	<9.84	ug/m³	3.A
ene	108-38-3	15.4	<15.4	ug/m³	3.A
ene	95-47-6	12.0	<12.0	ug/m³	3.A
	107-05-1	8.10	<8.10	ug/m³	3.A
	75-01-4	9.24	<9.24	ug/m³	3.A
	75-09-2	15.4	<15.4	ug/m³	3.A
benzene	108-67-8	9.84	<9.84	ug/m³	3.A
	106-99-0	4.42	<4.42	ug/m³	3.A
zene	541-73-1	12.0	<12.0	ug/m³	3.A
	106-46-7	12.0	<12.0	ug/m³	3.A
	123-91-1	7.20	<7.20	ug/m³	3.A
	823-40-9	9.84	<9.84	ug/m³	3.A
ntanone	108-10-1	8.20	<8.20	ug/m³	3.A
	67-64-1	4.76	140	ug/m³	4.K, 3.E
	107-02-8	4.58	<4.58	ug/m³	3.A
	71-43-2	6.38	<6.38	ug/m³	3.A
	100-44-7	10.4	<10.4	ug/m³	3.A
methane	75-27-4	13.4	<13.4	ug/m³	3.A
	75-25-2	20.7	<20.7	ug/m³	3.A
ane	74-83-9	7.76	<7.76	ug/m³	3.A
	78-78-4	6.22	<6.22	ug/m³	3.A
chloride	56-23-5	12.6	<12.6	ug/m³	3.A
ene	108-90-7	9.20	<9.20	ug/m³	3.A

LONG ISLAND ANALYTICAL ASSOCIATES, INC.

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:55	Sample ID: Rear-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	66.0	<66.0	ug/m³	3.A
Chloroform	67-66-3	122	<122	ug/m³	3.A
Chloromethane	74-87-3	51.5	<51.5	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	114	<114	ug/m³	3.A
Cyclohexane	110-82-7	86.0	<86.0	ug/m³	3.A
Dibromochloromethane	124-48-1	213	<213	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	124	<124	ug/m³	3.A
Ethanol	64-17-5	47.0	<47.0	ug/m³	3.A
Ethyl Acetate	141-78-6	90.0	<90.0	ug/m³	3.A
Ethylbenzene	100-41-4	108	<108	ug/m³	3.A
Hexachlorobutadiene	87-68-3	266	<266	ug/m³	3.A
Isopropanol	67-63-0	61.5	<61.5	ug/m³	3.A
m,p-Xylenes	108-38-3/106-42-3	217	<217	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	102	<102	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	73.8	<73.8	ug/m³	3.A
Methyl Methacrylate	80-62-6	102	<102	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	<0.160	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	90.2	<90.2	ug/m³	3.A
Naphthalene	91-20-3	131	<131	ug/m³	3.A
n-Heptane	142-82-5	102	<102	ug/m³	3.A
n-Hexane	110-54-3	88.0	<88.0	ug/m³	3.A
o-Xylene	95-47-6	108	<108	ug/m³	3.A
Propylene	115-07-1	77.8	<77.8	ug/m³	3.A
Styrene	100-42-5	106	<106	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	<0.160	ug/m³	
Tetrahydrofuran	109-99-9	73.8	<73.8	ug/m³	3.A
Toluene	108-88-3	94.2	<94.2	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	99.0	<99.0	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 16:55	Sample ID: Rear-Control
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-06
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	114	<114	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	140	<140	ug/m³	3.A
Vinyl Acetate	108-05-4	88.0	<88.0	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	95	70-130	
4-Bromofluorobenzene	460-00-4	80	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	84	60-140	
1,4-Difluorobenzene	540-36-3	84	60-140	
Bromochloromethane	74-97-5	85	60-140	
Bromochloromethane	74-97-5	85	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	

Date Prepared: 03/16/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-07
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	<10.9	ug/m³	3.A
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	140	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-07
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	399	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	42.3	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	97.6	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	40.6	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	34.0	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	10.4	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-07
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	14.3	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	97	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	80	60-140	
Bromochloromethane	74-97-5	83	60-140	
Chlorobenzene-d5	3114-55-4	86	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-08
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	0.327	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	228	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-08
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	823	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	7.86	ug/m³	3.E
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	39.9	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	3.51	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	0.882	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:06	Sample ID: Lous Pizza Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-08
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	18.1	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	99	70-130	
4-Bromofluorobenzene	460-00-4	80	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	84	60-140	
1,4-Difluorobenzene	540-36-3	83	60-140	
Bromochloromethane	74-97-5	85	60-140	
Bromochloromethane	74-97-5	85	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	

Date Prepared: 03/16/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:09	Sample ID: Altour Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-09
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	136	572	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	145	ug/m³	3.E
1,1-Dichloroethylene	75-35-4	7.92	69.7	ug/m³	3.E
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	59.5	548	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	85.1	ug/m³	3.E
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:09	Sample ID: Altour Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-09
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	10.5	ug/m³	3.E
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	72.7	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	38.3	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	83.0	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	12.6	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	39.9	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	172	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	8.49	ug/m³	3.E
Toluene	108-88-3	7.54	15.5	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:09	Sample ID: Altour Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-09
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	22.2	ug/m³	3.E
Trichlorofluoromethane	75-69-4	11.2	13.6	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	81	60-140	
Bromochloromethane	74-97-5	81	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	

Date Prepared: 03/16/2018

Date Analyzed: 03/17/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:15	Sample ID: Altour Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-10
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	0.491	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	22.7	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	0.315	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:15	Sample ID: Altour Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-10
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	527	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	8.65	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	78.5	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.49	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:15	Sample ID: Altour Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-10
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	
4-Bromofluorobenzene	460-00-4	81	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	80	60-140	
1,4-Difluorobenzene	540-36-3	81	60-140	
Bromochloromethane	74-97-5	82	60-140	
Bromochloromethane	74-97-5	83	60-140	
Chlorobenzene-d5	3114-55-4	84	60-140	
Chlorobenzene-d5	3114-55-4	83	60-140	

Date Prepared: 03/16/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:22	Sample ID: Babi Nails Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-11
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	136	525	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	12.1	ug/m³	3.E
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	214	ug/m³	3.E, 4.K
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:22	Sample ID: Babi Nails Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-11
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	73.1	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	29.7	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	80.7	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	41.5	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.E
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	<13.6	ug/m³	3.A
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	8.89	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:22	Sample ID: Babi Nails Sub-Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-11
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	<10.7	ug/m³	3.A
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	80	60-140	
Bromochloromethane	74-97-5	80	60-140	
Chlorobenzene-d5	3114-55-4	85	60-140	

Date Prepared: 03/16/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:27	Sample ID: Babi Nails Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-12
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	0.437	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	59.5	21700	ug/m³	4 K, 3 E, 4 A
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:27	Sample ID: Babi Nails Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-12
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	1060	ug/m³	3.E
Ethyl Acetate	141-78-6	90.0	582	ug/m³	3.E
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	61.5	493	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	33.0	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	17.8	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	1.97	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	117	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:27	Sample ID: Babi Nails Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-12
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	96	70-130	
4-Bromofluorobenzene	460-00-4	84	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	96	60-140	
1,4-Difluorobenzene	540-36-3	91	60-140	
Bromochloromethane	74-97-5	94	60-140	
Bromochloromethane	74-97-5	96	60-140	
Chlorobenzene-d5	3114-55-4	97	60-140	
Chlorobenzene-d5	3114-55-4	93	60-140	

Date Prepared: 03/17/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:56	Sample ID: Vacant Store (Cups) Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-13
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	26.7	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	7.92	<7.92	ug/m³	3.A
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	27.8	ug/m³	3.E
Acetone	67-64-1	4.76	68.0	ug/m³	3.E, 4.K
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	3.A
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:56	Sample ID: Vacant Store (Cups) Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-13
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	7.92	<7.92	ug/m³	3.A
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	54.1	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	15.3	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	67.1	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	8.77	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	10.3	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	6.94	25.2	ug/m³	4.K, 3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	13.6	97.7	ug/m³	3.E
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	9.12	ug/m³	3.E
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 17:56	Sample ID: Vacant Store (Cups) Sub Slab
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-13
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	10.7	12.7	ug/m³	3.E
Trichlorofluoromethane	75-69-4	11.2	16.2	ug/m³	3.E
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	98	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	94	60-140	
Bromochloromethane	74-97-5	96	60-140	
Chlorobenzene-d5	3114-55-4	96	60-140	

Date Prepared: 03/17/2018

Preparation Method: TO-15

Date Analyzed: 03/18/2018

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 18:04	Sample ID: Vacant Store (Cups) Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-14
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethylene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	15.4	<15.4	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	24.4	ug/m³	4.K, 3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 18:04	Sample ID: Vacant Store (Cups) Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-14
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethylene	156-59-2	0.630	<0.160	ug/m³	4.K, 4.M
cis-1,3-Dichloropropylene	10061-01-5	9.08	<9.08	ug/m³	3.A
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	3.76	24.8	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	<4.92	ug/m³	3.A
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	9.10	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethylene	127-18-4	1.09	<0.160	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethylene	156-60-5	7.92	<7.92	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/14/2018 18:04	Sample ID: Vacant Store (Cups) Ambient
Date (Time) Received: 03/16/2018 09:26	Laboratory ID: 8031606-14
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	9.08	<9.08	ug/m³	3.A
Trichloroethylene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	
4-Bromofluorobenzene	460-00-4	82	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	94	60-140	
1,4-Difluorobenzene	540-36-3	93	60-140	
Bromochloromethane	74-97-5	95	60-140	
Bromochloromethane	74-97-5	94	60-140	
Chlorobenzene-d5	3114-55-4	95	60-140	
Chlorobenzene-d5	3114-55-4	94	60-140	

Date Prepared: 03/17/2018

Preparation Method: TO-15

Date Analyzed: 03/17/2018

Analytical Method: TO-15

Data Qualifiers Key Reference:

3.A	Reporting limit raised due to matrix interference.
3.E	Compound reported at a dilution factor.
4.A	Estimated concentration, exceeds calibration range.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
4.M	LCS recovery was above QC acceptance limit.
4.O	Batch duplicate results were outside the RPD acceptance limit.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Long Island Analytical Laboratories Inc.
110 Colin Drive
Holbrook, New York 11741
(631) 472-3400 • Fax 472-8505
E-mail: LIAL@lialinc.com

www.lialinc.com

Chain of Custody – TO-15

CLIENT	PROJECT	DATE COLLECTED	8031606
CLIENT ADDRESS	LOCATION	TECHNICIAN	
CLIENT PHONE	E-MAIL ADDRESS	TURNAROUND TIME: BY ☒ NORMAL ☐ STAT	

LABORATORY NO. For Laboratory Use Only	CANISTER NO. / REGULATOR NO.	SAMPLE LOCATION	TIME ON	TIME OFF	VACUUM GUAGE START ("Hg)	VACUUM GUAGE END ("Hg)	LEAK DETECTOR ANALYTE	ANALYSIS METHOD
1. 8031606-01	~~058A~~ 051	Bagel Boss Sub slab	8:20	1635	-30	-6	He	TO 15
2. -02	043	Bagel Boss Ambient	8:20	1640	-30	-5	He	TO-15
3. -03	045	MRI - Sub slab	9:35	1643	-30	-5	He	TO 15
4. -04	038	MRI Ambient	8:40	1650	-30	-7	He	TO 15
5. -05	031	[illegible]	8:40	1652	-30	-5	He	TO-15
6. -06	040	[illegible]	8:50	1655	30	-6	He	TO-15
7. -07	052	Lou's Pizza Sub slab	9:00	1700	30	-8	He	TO 15
8. -08	048	Lou's Pizza Ambient	9:00	1706	-30	-6	He	TO-15
9. -09	042	Altour Sub Slab	9:10	1707	30	-10	He	TO-15
10. -10	053	Altour Ambient	9:10	1715	-30	-10	He	TO-15
11. -11	046	Bobs Nails Sub slab	9:20	1722	-30	-5	He	TO 15
12. -12	032	Bobs Nails Ambient	9:20	1727	-30	-7	He	TO-15
13. -13	053	Vacant Store (sub)	9:40	1756	-30	-5	He	TO-15
14. -14	057	Vacant Store (amb)	9:40	1804	-30	-6	He	TO-15

COMMENTS

LEAK DETECTOR ANALYTES
(1) ISOPROPYL ALCOHOL (2) HELIUM (BY TECHNICIAN IN THE FIELD) (3) OTHER

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
	DATE TIME			DATE TIME	
RELINQUISHED BY (SIGNATURE) [illegible signature]	DATE [illegible] TIME [illegible]	PRINTED NAME [illegible]	SAMPLE CUSTODIAN [illegible signature]	DATE [illegible] TIME [illegible]	PRINTED NAME Kelley [illegible]

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LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 8032002

February 26, 2019

MHM Management Country Glenn Cntr
Murray Miller
143 Old Country Rd
Carl Place, NY 11514

Re: Country Glen

Dear Murray Miller,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on March 20, 2018. Long Island Analytical laboratories analyzed the samples on February 26, 2019 for the following:

SAMPLE ID	ANALYSIS
Sprint - Sub Slab	TO-15
Sprint - Ambient	TO-15

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:36	Sample ID: Sprint - Sub Slab
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-01
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	10.9	165	ug/m³	3.E
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	
1,1-Dichloroethane	75-34-3	8.10	12.5	ug/m³	3.E
1,1-Dichloroethene	75-35-4	3.96	<3.96	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	
Acetone	67-64-1	4.76	86.4	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	
Benzene	71-43-2	6.38	<6.38	ug/m³	
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	
Bromoform	75-25-2	20.7	<20.7	ug/m³	
Bromomethane	74-83-9	7.76	<7.76	ug/m³	
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	
Carbon Tetrachloride	56-23-5	12.6	<12.6	ug/m³	
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:36	Sample ID: Sprint - Sub Slab
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	
Chloroform	67-66-3	9.76	<9.76	ug/m³	
Chloromethane	74-87-3	4.12	<4.12	ug/m³	
cis-1,2-Dichloroethene	156-59-2	3.96	<3.96	ug/m³	
cis-1,3-Dichloropropene	10061-01-5	4.54	<4.54	ug/m³	
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	
Ethanol	64-17-5	3.76	110	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	
Isopropanol	67-63-0	4.92	20.4	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	214	ug/m³	3.E
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	14.7	ug/m³	3.E
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	8.20	ug/m³	3.E
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	
Methylene Chloride	75-09-2	6.94	59.7	ug/m³	3.E
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	
Naphthalene	91-20-3	10.5	<10.5	ug/m³	
n-Heptane	142-82-5	8.20	<8.20	ug/m³	
n-Hexane	110-54-3	7.04	8.46	ug/m³	3.E
o-Xylene	95-47-6	8.68	<8.68	ug/m³	
Propylene	115-07-1	6.22	<6.22	ug/m³	
Styrene	100-42-5	8.52	<8.52	ug/m³	
Tetrachloroethene	127-18-4	6.78	<6.78	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	
Toluene	108-88-3	7.54	13.1	ug/m³	3.E
trans-1,2-Dichloroethene	156-60-5	3.96	<3.96	ug/m³	

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:36	Sample ID: Sprint - Sub Slab
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-01
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropene	10061-02-6	4.54	<4.54	ug/m³	
Trichloroethene	79-01-6	5.37	<5.37	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	
Vinyl chloride	75-01-4	5.12	<5.12	ug/m³	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	102	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	95	60-140	
Bromochloromethane	74-97-5	101	60-140	
Chlorobenzene-d5	3114-55-4	99	60-140	

Date Prepared: 03/29/2018

Date Analyzed: 03/30/2018

Preparation Method: TO-15

Analytical Method: TO-15

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:37	Sample ID: Sprint - Ambient
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-02
Matrix: Air	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1-Trichloroethane	71-55-6	0.860	<0.160	ug/m³	4.K
1,1,2,2-Tetrachloroethane	79-34-5	13.7	<13.7	ug/m³	3.A
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	15.3	<15.3	ug/m³	3.A
1,1,2-Trichloroethane	79-00-5	10.9	<10.9	ug/m³	3.A
1,1-Dichloroethane	75-34-3	8.10	<8.10	ug/m³	3.A
1,1-Dichloroethene	75-35-4	0.160	<0.160	ug/m³	
1,2,4-Trichlorobenzene	120-82-1	14.8	<14.8	ug/m³	3.A
1,2,4-Trimethylbenzene	95-63-6	9.84	<9.84	ug/m³	3.A
1,2-Dibromoethane	106-93-4	15.4	<15.4	ug/m³	3.A
1,2-Dichlorobenzene	95-50-1	12.0	<12.0	ug/m³	3.A
1,2-Dichloroethane	107-06-2	8.10	<8.10	ug/m³	3.A
1,2-Dichloropropane	78-87-5	9.24	<9.24	ug/m³	3.A
1,2-Dichlorotetrafluoroethane	76-14-2	14.0	<14.0	ug/m³	3.A
1,3,5-Trimethylbenzene	108-67-8	9.84	<9.84	ug/m³	3.A
1,3-Butadiene	106-99-0	4.42	<4.42	ug/m³	3.A
1,3-Dichlorobenzene	541-73-1	12.0	<12.0	ug/m³	3.A
1,4-Dichlorobenzene	106-46-7	12.0	<12.0	ug/m³	3.A
1,4-Dioxane	123-91-1	7.20	<7.20	ug/m³	3.A
4-Ethyltoluene	622-96-8	9.84	<9.84	ug/m³	3.A
4-Methyl-2-Pentanone	108-10-1	8.20	<8.20	ug/m³	3.A
Acetone	67-64-1	4.76	29.3	ug/m³	3.E
Acrolein	107-02-8	4.58	<4.58	ug/m³	3.A
Benzene	71-43-2	6.38	<6.38	ug/m³	3.A
Benzyl Chloride	100-44-7	10.4	<10.4	ug/m³	3.A
Bromodichloromethane	75-27-4	13.4	<13.4	ug/m³	3.A
Bromoform	75-25-2	20.7	<20.7	ug/m³	3.A
Bromomethane	74-83-9	7.76	<7.76	ug/m³	3.A
Carbon disulfide	75-15-0	6.22	<6.22	ug/m³	3.A
Carbon Tetrachloride	56-23-5	1.01	<0.160	ug/m³	4.K
Chlorobenzene	108-90-7	9.20	<9.20	ug/m³	3.A

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:37	Sample ID: Sprint - Ambient
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Chloroethane	75-00-3	5.28	<5.28	ug/m³	3.A
Chloroform	67-66-3	9.76	<9.76	ug/m³	3.A
Chloromethane	74-87-3	4.12	<4.12	ug/m³	3.A
cis-1,2-Dichloroethene	156-59-2	0.630	<0.160	ug/m³	
cis-1,3-Dichloropropene	10061-01-5	4.54	<4.54	ug/m³	
Cyclohexane	110-82-7	6.88	<6.88	ug/m³	3.A
Dibromochloromethane	124-48-1	17.0	<17.0	ug/m³	3.A
Dichlorodifluoromethane	75-71-8	9.90	<9.90	ug/m³	3.A
Ethanol	64-17-5	47.0	837	ug/m³	3.E
Ethyl Acetate	141-78-6	7.20	<7.20	ug/m³	3.A
Ethylbenzene	100-41-4	8.68	<8.68	ug/m³	3.A
Hexachlorobutadiene	87-68-3	21.3	<21.3	ug/m³	3.A
Isopropanol	67-63-0	4.92	6.83	ug/m³	3.E
m,p-Xylenes	108-38-3/106-42-3	17.4	<17.4	ug/m³	3.A
Methyl Butyl Ketone (2-Hexanone)	591-78-6	8.20	<8.20	ug/m³	3.A
Methyl Ethyl Ketone (2-Butanone)	78-93-3	5.90	<5.90	ug/m³	3.A
Methyl Methacrylate	80-62-6	8.18	<8.18	ug/m³	3.A
Methylene Chloride	75-09-2	0.560	<0.160	ug/m³	4.K, 4.M
Methyl-tert-Butyl Ether	1634-04-4	7.22	<7.22	ug/m³	3.A
Naphthalene	91-20-3	10.5	<10.5	ug/m³	3.A
n-Heptane	142-82-5	8.20	<8.20	ug/m³	3.A
n-Hexane	110-54-3	7.04	<7.04	ug/m³	3.A
o-Xylene	95-47-6	8.68	<8.68	ug/m³	3.A
Propylene	115-07-1	6.22	<6.22	ug/m³	3.A
Styrene	100-42-5	8.52	<8.52	ug/m³	3.A
Tetrachloroethene	127-18-4	1.09	<0.160	ug/m³	
Tetrahydrofuran	109-99-9	5.90	<5.90	ug/m³	3.A
Toluene	108-88-3	7.54	<7.54	ug/m³	3.A
trans-1,2-Dichloroethene	156-60-5	3.96	<3.96	ug/m³	

Client: MHM Management Country Glenn Cntr	Client ID: Country Glen
Date (Time) Collected: 03/19/2018 16:37	Sample ID: Sprint - Ambient
Date (Time) Received: 03/20/2018 09:20	Laboratory ID: 8032002-02
Matrix: Air	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
trans-1,3-Dichloropropene	10061-02-6	4.54	<4.54	ug/m³	
Trichloroethene	79-01-6	0.860	<0.160	ug/m³	
Trichlorofluoromethane	75-69-4	11.2	<11.2	ug/m³	3.A
Vinyl Acetate	108-05-4	7.04	<7.04	ug/m³	3.A
Vinyl chloride	75-01-4	0.410	<0.160	ug/m³	4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	101	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Difluorobenzene	540-36-3	97	60-140	
Bromochloromethane	74-97-5	99	60-140	
Chlorobenzene-d5	3114-55-4	102	60-140	

Date Prepared: 03/29/2018

Preparation Method: TO-15

Date Analyzed: 03/30/2018

Analytical Method: TO-15

Data Qualifiers Key Reference:

3.A	Reporting limit raised due to matrix interference.
3.E	Compound reported at a dilution factor.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
4.M	LCS recovery was above QC acceptance limit.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation

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www.lialinc.com

Chain of Custody – TO-15

CLIENT	PROJECT	DATE COLLECTED	
MHA Managem			8032002
CLIENT ADDRESS	LOCATION	TECHNICIAN	
CLIENT PHONE	E-MAIL ADDRESS	TURNAROUND TIME: BY / / ☐ NORMAL ☐ STAT	

LABORATORY NO. For Laboratory Use Only	CANISTER NO. / REGULATOR NO.	SAMPLE LOCATION	TIME ON	TIME OFF	VACUUM GUAGE START ("Hg)	VACUUM GUAGE END ("Hg)	LEAK DETECTOR ANALYTE	ANALYSIS METHOD
1. 8032002-01						-13		
2. -02						-14		
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								

COMMENTS

LEAK DETECTOR ANALYTES
(1) ISOPROPYL ALCOHOL (2) HELIUM (BY TECHNICIAN IN THE FIELD) (3) OTHER

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
RELINQUISHED BY (SIGNATURE)	DATE 3/17/18 TIME 12x	PRINTED NAME NICK MARTINO	SAMPLE CUSTODIAN	DATE 3/20/18 TIME 6:20	PRINTED NAME

WHITE-LAB CANARY-CLIENT

NYSDOH ELAP# 11693

Appendix D

Health and Safety Plan (HASP)

Subject property:

115 Old Country Road Site
Country Glen Shopping Center
115 Old Country Road
Carle Place, N.Y., 11514
NYSDEC # 130199

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Stony Brook University
50 Circle Road
Stony Brook, New York 11790

May 2019
Revised 7/8/19

Prepared By:
Soil Mechanics Environmental Services
3770 Merrick Road
Seaford, New York 11783
Phone (516) 221-7500
Fax (516) 679-1900

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3.0 HAZARD EVALUATION/POTENTIAL CHEMICAL EXPOSURE

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1.0 INTRODUCTION

This Health and Safety Plan (HASP) has been developed, in accordance with the requirements of 29 CFR 1910.120 ("HAZWOPER"), and is provided as a guidance to establish the procedures necessary for protecting on-site personnel from potential hazards associated with excavation of sub-slab soils and installation of soil vapor extraction points. All contractors are responsible for developing their own site-specific HASP which addresses specific activities conducted at the Site, as well as implementing any required monitoring or other compliance related services required to insure the health and safety of their employees. No party may rely on this HASP as if submitted for their use. All on-site personnel must sign this HASP. By signing the HASP Acknowledgment Form, individuals are recognizing the site health and safety hazards, known or suspected, and the guidance protocols required to minimize exposure to such hazards.

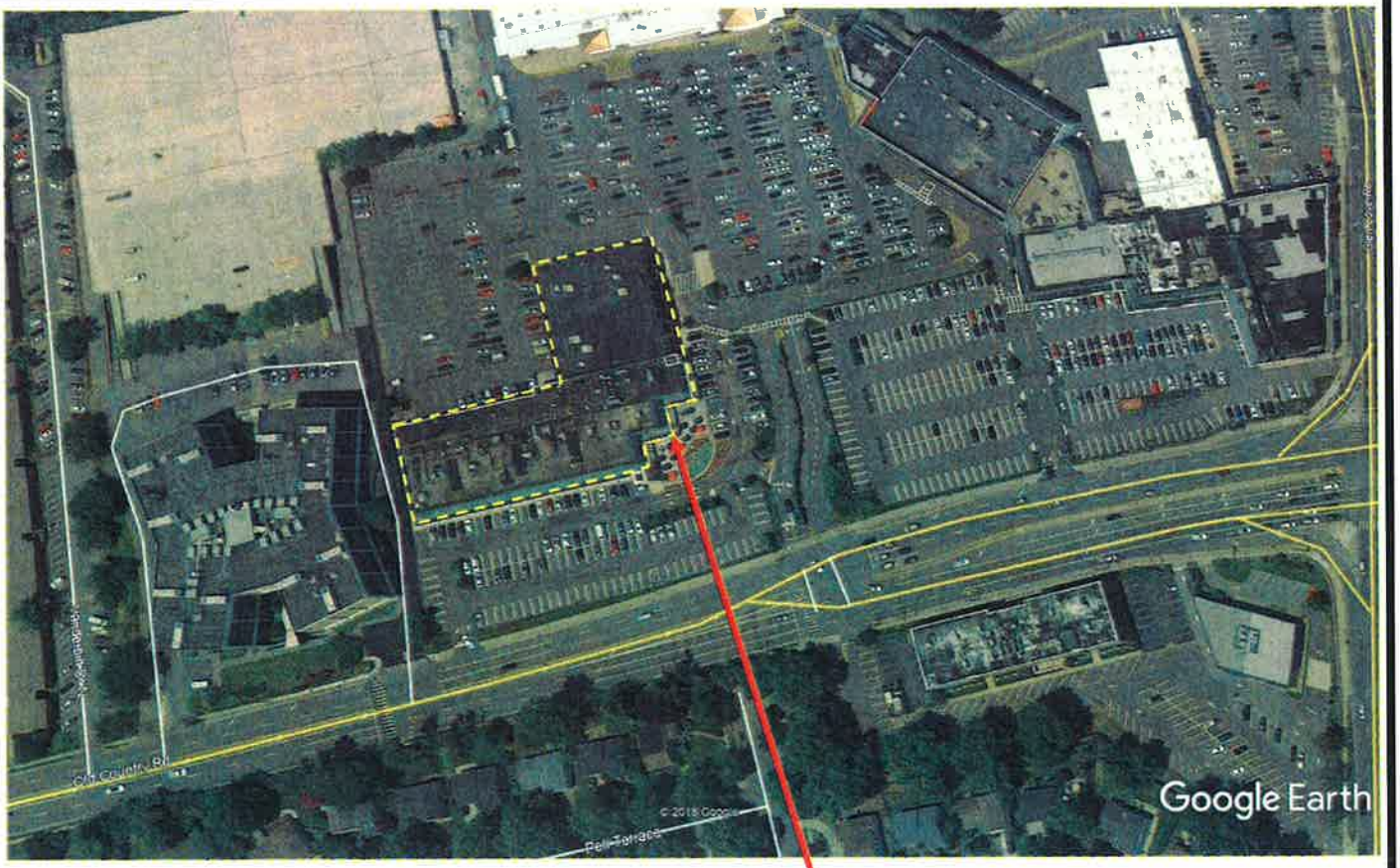
This HASP is based upon limited information provide to our office by Long Island analytical Laboratories of Holbrook, N.Y. The subject property is currently improved with a multi-unit shopping center. However, prior to construction of the shopping center, historic land usage was commercial and/or industrial in nature. Reportedly, all investigative and remedial efforts conducted at the subject property prior to construction of the shopping center building were completed under the supervision of a regulatory agency. Therefore, all known or documented areas of soil contamination are presumed to have been effectively remediated.

1.1 Site Description

The subject shopping center property is improved with a one-story slab on-grade masonry retail building (total approximately 59,000 square feet) and asphalt paved parking areas and driveways (see Project Location Plan Figure #1). The retail building is sub-divided in 14 separate retail spaces or units, some of which are currently vacant (see Figure #2 for list of retail space occupants and associated dimensions). The subject property address is 115 Old Country Road, Carle Place, NY and is located at N 44^0 34.70" N and 73^0 13.53", which is on the north side of Old Country Road and west of Glen Cove Road. The property is bordered by commercial properties to the north, east and west and commercial and residential properties to the south.

1.2 Site Environmental Conditions

Previous investigations performed at the Site have effectively characterized the environmental quality of the subject property. However, the source(s) of compromised sub-slab soil vapors and associated soil vapor intrusion concerns have, to date, not been identified. Therefore, contaminants of concern (COCs) identified for the Site include volatile organic compounds (VOCs) and semi-volatile organic compounds.



Country Glen Shopping Center
115 Old Country Road
Carle Place, N.Y.
40 degrees 44' 34.70" N
73 degrees 37' 13.53" W

SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 Merrick Road, Seaford, NY 11783
P: 516.221.7500 Email: Soilmech@optonline.net

Figure #1
Project Location Plan

DATE: 1/19

SCALE: N.T.S.

JOB NO.: 19-047

N

Soil vapor intrusion concerns associated with concentrations of selected volatile organic compounds (VOCs) are currently being mitigated in Units #1 through #4 (see Figure #2) of the Retail Building, i.e., by active sub-slab decompression systems (SSDSs). The noted SSDSs, which employ sub-slab vapor extraction points, a vapor barrier, and a pair of 6" thermoplastic inline centrifugal duct blowers, were installed by others. The most recent round of soil vapor intrusion assessment sampling completed in Units #5 through #14 (see Figure #2) identified concentrations of selected VOC constituents, i.e., in sub-slab and correlating indoor air samples, in Units #5 (Altour), #6 (Liquor Store), and #13 (Ben's Deli) at concentrations mandating implementation appropriate mitigation measures to minimize potential exposures associated with soil vapor intrusion (see Figure #2).

All contractors and subcontractors will be responsible for supplying their personnel on-site with safety equipment which, at a minimum, meets the requirements of this site (HASP). The SSO or his representative will conduct all monitoring and testing discussed in this HASP. The SSO or his representative will be authorized to remove or have removed any and all personnel working on the subject property who do not comply with the minimum standards outlined in this HASP. ***THE SITE SAFETY ACKNOWLEDGEMENT FORM MUST BE SIGNED BY ALL ON-SITE PERSONNEL WHO ACTIVELY PARTICIPATE IN THIS PROJECT.***

2.0 SITE ORGANIZATION AND RESPONSIBILITIES

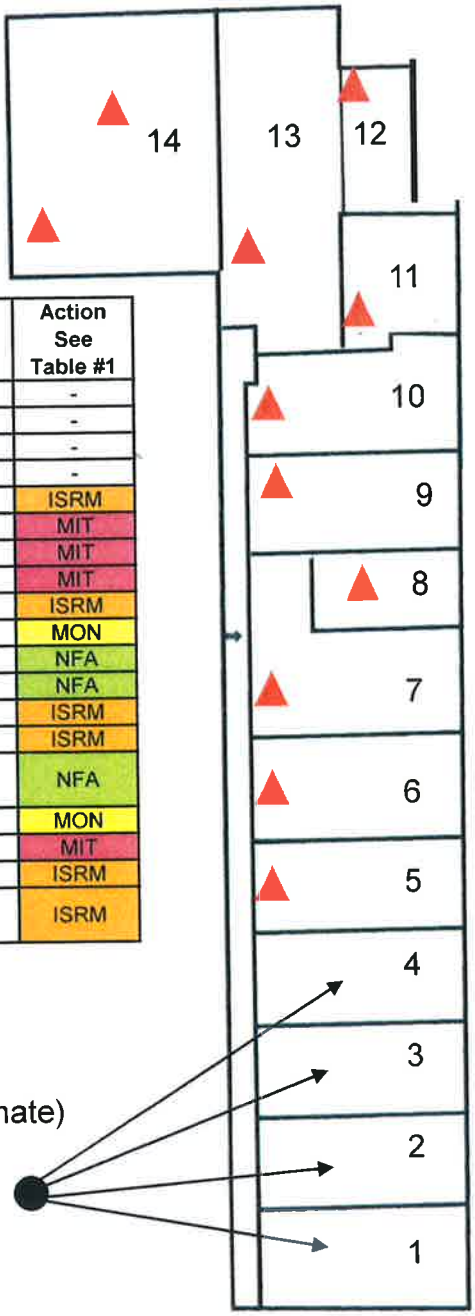
All personnel will be responsible for continuous adherence to the procedures set forth by the HASP during proposed site redevelopment activities that will in any way disturb the Site's native soils. In no case may work be performed which conflicts with the intent of or the inherent safety and environmental cautions expressed in these procedures. If any personnel are found violating safety and health procedures, they will be subject to disciplinary action up to and including removal from the subject by the Site Safety Officer, his representative, or the Project Superintendent.

This document has been developed in accordance with the requirements of 29 CFR 1910.120 ("HAZWOPER") to establish the procedures necessary for protecting on-site personnel from potential hazards during implementation of site preparation measures, discussed above, or resulting from any activities that will in any way disturb Site soils.

2.1 Project Site Safety Officer

SMES will provide a Site Safety Officer (SSO) to administer the health and safety program as outlined in this HASP only. The SSO for this project will be Dan Marzano. Soil Mechanics has developed this HASP for all on-site personnel to follow during construction activities associated with installation of the sub-slab depressurization systems (SSDSs), including but not limited to excavation of potentially contaminated sub-slab soils. The SMES SSO or his representative will remain on the subject property, on a daily basis, until exposure pathways for identified contaminates have been eliminated. The SSO or his representative will be responsible for informing all on-site construction/technical personnel or other building occupants of the pertinent level of

Unit	Unit Name	Unit Size ft.²	Contaminant of Concern	Action See Table #1
1	Just Falafel	1930	-	-
2	Super Cuts	1300	-	-
3	Vacant	2300	-	-
4	Vacant	1800		-
5	Altour	1800	CH_2Cl_2	ISRM
			1,1-DCE	MIT
			CT	MIT
6	Liquor Store	1400	1,1-DCE	MIT
			CH_2Cl_2	ISRM
7	MRI	2800	CT	MON
8	Sprint Phone Store	600	-	NFA
9	Lou's Pizza	3600	-	NFA
10	Bagel Boss	2816	VC	ISRM
11	Vacant (former Babi Nails)	2150	CH_2Cl_2	ISRM
12	Tropical Smoothie (former Cups)	1250	CH_2Cl_2	NFA
13	Ben's Deli	4400	TCE	MON
			1,1-DCE	MIT
			CH_2Cl_2	ISRM
14	Barnes & Noble (front) Barnes & Noble (rear)	30498	CH_2Cl_2	ISRM



▲ Sub-Slab and Corresponding Indoor Air Sampling Location (approximate)

Vapor intrusion concerns currently being addressed with Sub-slab venting system, installed by others

SOIL MECHANICS ENVIRONMENTAL SERVICES
3770 Merrick Road, Seaford, NY 11783
P: 516.221.7500 Email: Soilmech@optonline.net

Figure #2
Sub-Slab/Indoor Air Sample Location Plan

DATE: 3/19

SCALE: N.T.S.

JOB NO.: 19-047

N

personal protection required and work rules to be observed. The SSO or his representative will have the authority to stop all work activities as deemed necessary based on: a) visual assessment of the work activity; or b) data obtained from field screening instrumentation.

The SSO or his representative will not allow:

- Smoking, eating, use of lip balms or chewing of gum/tobacco on the subject site during any activity that will disturb the Site's sub-slab soil formations.
- Commencement of excavation activities prior to completion of utility mark-out activities.
- Confined space entry without 48-hour prior notice.

The health and safety requirements are based on currently available information available to SMES pertaining to soil contamination at the Site and a preliminary analysis of associated potential hazards. This plan establishes the minimum protocols necessary for protecting all construction workers and craft labor on-site.

All contractors and subcontractors will be responsible for supplying their on-site personnel with necessary safety equipment, which, at a minimum, meets the requirements of this Site HASP. The SSO or his representative will conduct all monitoring and testing discussed in this HASP. The SSO, his representative, or the Project Superintendent will be authorized to remove or have removed any/all personnel working on the subject property who do not comply with the minimum standards outlined in this HASP.

2.2 Labor

All personnel working on-site that are involved with any activity that brings them into immediate contact with the Site's soils will have received a minimum of 40 hours of Health and Safety training in accordance with OSHA 1910.120(e).

2.3 Craft Labor

Craft Labor who will be working on-site are responsible for understanding and complying with HASP requirements and for notifying either the SSO or their supervisor of any concerns they might have for their health and safety on the job. Craft Labor and all other support personnel are responsible for conducting themselves in a safe manner, mindful of the inherent hazards associated with working around contaminated materials, heavy equipment, and extreme environmental conditions.

3.0 HAZARD EVALUATION/POTENTIAL CHEMICAL EXPOSURE

Reportedly, all investigative and remedial efforts conducted at the subject property prior to construction of the shopping center building were completed under the supervision of a regulatory agency. Therefore, all known or documented areas of soil contamination are presumed to have been effectively remediated.

Previous investigations performed at the Site have effectively characterized the environmental quality of the subject property. However, the source(s) of compromised sub-slab soil vapors and associated soil vapor intrusion concerns have, to date, not been identified. Therefore, contaminants of concern (COCs) identified for the Site include volatile organic compounds (VOCs) and semi-volatile organic compounds.

Proposed work activities on the site include installation of SSDSs, which will involve excavation of sub-slab soils. Sub-slab excavation efforts will be completed, utilizing an industrial vacuum or Vactor. If contaminated or suspect contaminated soils are encountered during construction activities, interim remedial efforts will include physical removal of the compromised soils and containerization of same in the storage compartment of the Vactor for direct transport to a regulated facility. Temporary stockpiling of sub-slab soils, if necessary, will be allowed with the following stipulations: (i) the stockpiles will be installed over and subsequently covered with 6 mil poly sheeting to ensure that contaminants do not become airborne or leach out into other areas; (ii) stockpiles will be removed within 24-hours. utilizing the Vactor.

The most likely routes of exposure are: a) breathing of volatile chemicals or particulate-laden air released during soil disturbing activities; b) dermal contact with contaminated soils; c) inadvertent injection of contaminated particles; and d) transportation of contaminated materials off-site on clothing or equipment laden with dirt. The remaining sections of this HASP address procedures (including training, air monitoring, work practices and emergency response) to reduce the potential for unnecessary and unacceptable exposure to these chemicals.

The potential adverse health effects from the broad classes of chemicals potentially present at the site are diverse and potentially severe. Although many of these chemicals are known or suspected to result in chronic illness from long-duration exposures, due to the limited nature of the field work, acute effects are both more likely to be of concern and noticeable. Symptoms to over exposure to the COC on the property and necessary treatments are detailed in Table #1 below. Notably, if areas on the site with elevated levels of COC are encountered, this does not necessarily indicate that workers on site will be overexposed. There are several factors that can affect worker exposure during on an 8-hour daily/40-hour workweek. These factors are based on workers possibly developing an illness or symptoms when inhaling a constant level of dust or vapors for an extended period of time, having a certain area of skin exposed to the contaminant on a daily basis, or ingesting a certain level of dirt on a daily basis. If dust levels are kept down or vapors are suppressed and measures are taken to avoid possible ingestion and direct skin contact from the dirt and dust, exposure levels should be below OSHA's Permissible Exposure Limits (PELs) for identified COCs.

The contaminants identified in the Site's soils included VOCs and SVOCs. Volatile organics can form a vapor cloud while excavating. Air monitoring is, therefore, required while implementing these activities during proposed excavation efforts. Some of the contaminants can be absorbed through the skin or cause rashes on the skin and others can be absorbed into the body by accidentally ingesting by swallowing dust covered food or drinks and not washing hands before eating. There is also a concern that the dirt may be carried home by workers to their families or the dirt will migrate off site on the wheels of trucks and heavy equipment.

Workers and equipment must be properly decontaminated and all soil must be removed before they leave a contaminated area. For potential contaminants on site controlling dust and preventing dirt and dust from getting on the workers clothing, skin, in the mouth, and on the hands will most likely prevent overexposure. Monitoring the amount of dust in the air or specific contaminants will identify if controls are adequate or if personal protective equipment such as a respirator is required in addition to engineering controls.

Table #1

Substance	Symptoms of Exposure	Treatment
VOCs	Irritates eyes, nose, respiratory system; giddiness; headache, nausea, staggered gait; fatigue, anorexia, lassitude; dermatitis; bone-marrow depression, coughing, dypsnea, vomiting, eye sensitivity to light, eye and skin irritation; dermatitis, bronchitis.	Eye: Irrigate immediately Skin: Soap wash promptly Breath: respiratory support Swallow: Immediate medical attention
SVOCs	Irritates eyes, nose, respiratory system; giddiness; headache, nausea, staggered gait; fatigue, anorexia, lassitude; dermatitis; bone-marrow depression, coughing, dypsnea, vomiting, eye sensitivity to light, eye and skin irritation; dermatitis, bronchitis.	Eye: Irrigate immediately Skin: Soap wash promptly Breath: respiratory support Swallow: Immediate medical attention

Based on currently available information the likelihood of worker exposure is low because previous remediation activities will have been removed known contaminated materials and the nature of proposed excavation efforts, i.e., utilizing an industrial vacuum

SMES will have necessary air monitoring equipment available on site to assure workers are not over exposed to organic vapors and fugitive dust. Proper decontamination will be required in areas with suspected or known contamination to prevent the pollutants from spreading into clean areas and for workers to come in contact with dirty soil outside of the exclusion zone. Efforts must be taken to prevent workers from tracking contaminated soil off the property to their homes or the surrounding community.

In summary, the site has been subject to remedial efforts under the supervision of a regulatory agency prior to construction of the existing shopping center building Nevertheless, buried drums, underground piping, USTs, and contamination soil may, remain on site. As long as proper protocols are followed in the event the aforementioned are encountered or odors are detected or dust levels start to increase, the exposure levels should remain low.

As workers enter trenches and excavations wherein the Site's soils are more likely to be encountered, more constant air monitoring will occur. Workers will take precautions on the Site to treat all soils inside a trench or excavation as potentially contaminated. Wearing proper protective clothing, air monitoring, and decontaminating themselves when they leave the area should eliminate most exposures. The use of respiratory protection will be required when/if certain action levels are detected by air meters or as a precautionary procedure.

4.0 DUST CONTROL

To prevent the potential off-site transport of dust, which may contain above-background levels of COC the following dust control measures will be implemented during all operations that disturb the Site's sub-slab soils. Notably, however, good construction practice warrants implementation of dust suppression techniques during all phases of site development wherein fugitive dust is generated.

- Water will be available to spray on exposed soil to eliminate potential for generation of dust.
- Contaminated soil stockpiles, if any, will be located remote areas on the site away from all other work activities to prevent contact or disturbance.
- The stockpiled or suspected soil and material, if any, will be isolated from all other work activities until proper sampling has determined the concentration of any contaminants.
- Any stockpiled contaminated material will be placed on and covered with plastic sheeting to prevent contaminants from migrating out into other areas.

5.0 HAZARDOUS MATERIALS CONTINGENCIES

All known hazardous materials will be removed from work areas prior to the beginning of excavation. However, because of historic activities at the site, there is a potential for the discovery of additional materials during soil disturbing activities. All work will be continuously monitored for the presence of buried tanks, drums or other containers, sludges, or soil/groundwater, which shows evidence of potential contamination, such as discoloration, staining, or odors. If any of these are detected, excavation in the area will be halted, and the SSO and/or his representative will immediately contact the SMES the Hazardous Materials Response Team (516- 221-7500) will respond, as deemed necessary.

The affected area will be cordoned off and no further work will be performed at that location until the appropriate contingency response plan, described below, is implemented. All contingency response actions will be carried out in accordance with the contingency Health and Safety procedures specified below.

a). Tank/Drum/Container Contingency Plan

If drums or other containers are encountered, the area will be cordoned off and the below listed steps will be followed. In the event any underground tanks are identified, they will be decommissioned as outlined in 40 CFR part 280 and 6NYCRR parts 612 –614.

The SSO or his representative will conduct all drum sampling. Nevertheless, on-site personnel should be aware of hazards associated with this activity. The following control measures will be taken when sampling drums containing unknown material:

- When drums are exposed, a Level B Exclusion zone will be established around the area. A decontamination area will be provided adjacent to this exclusion zone. The extent of the exclusion zone will be determined by PID readings (>50ppm) and general site conditions. The exclusion zone will not be less than 10 yards in diameter and will extend an additional 5 yards in the downwind location.
- All personnel entering the exclusion zone will wear Level B PPE, and only enter using the buddy system. At a minimum, two people may enter the exclusion zone with a third person standing watch outside of the zone. All personnel must have access to communications.
- Caution will be exercised when sampling bulging or swollen drums. Relieve pressure slowly.
- If drums contain, or potentially contain, flammable materials, use non-sparking tools to open.
- Picks, chisels, and firearms may not be used to open drums.
- Bung holes or plugs will be re-sealed whenever possible.
- Mixing incompatible drum contents will be avoided.
- Sample drums without leaning over the drum opening.

6.0 MEDICAL EMERGENCY

Medical emergencies can be described as situations which present a significant threat to the health of personnel involved in the implementation of the subsurface assessment activities. These can result from exposure to chemicals/gases, heat stress, cold stress, and poisonous insect bites. Medical emergencies must be dealt with immediately and proper care must be administered. This may be in the form of first aid and emergency hospitalization.

In the event of a medical emergency, assess whether or not the victim can be safely transported to medical facilities. If the victim cannot be moved without the risk of aggravating their condition, refer to "Emergency Notification" section below and summon an ambulance and appropriate emergency response personnel.

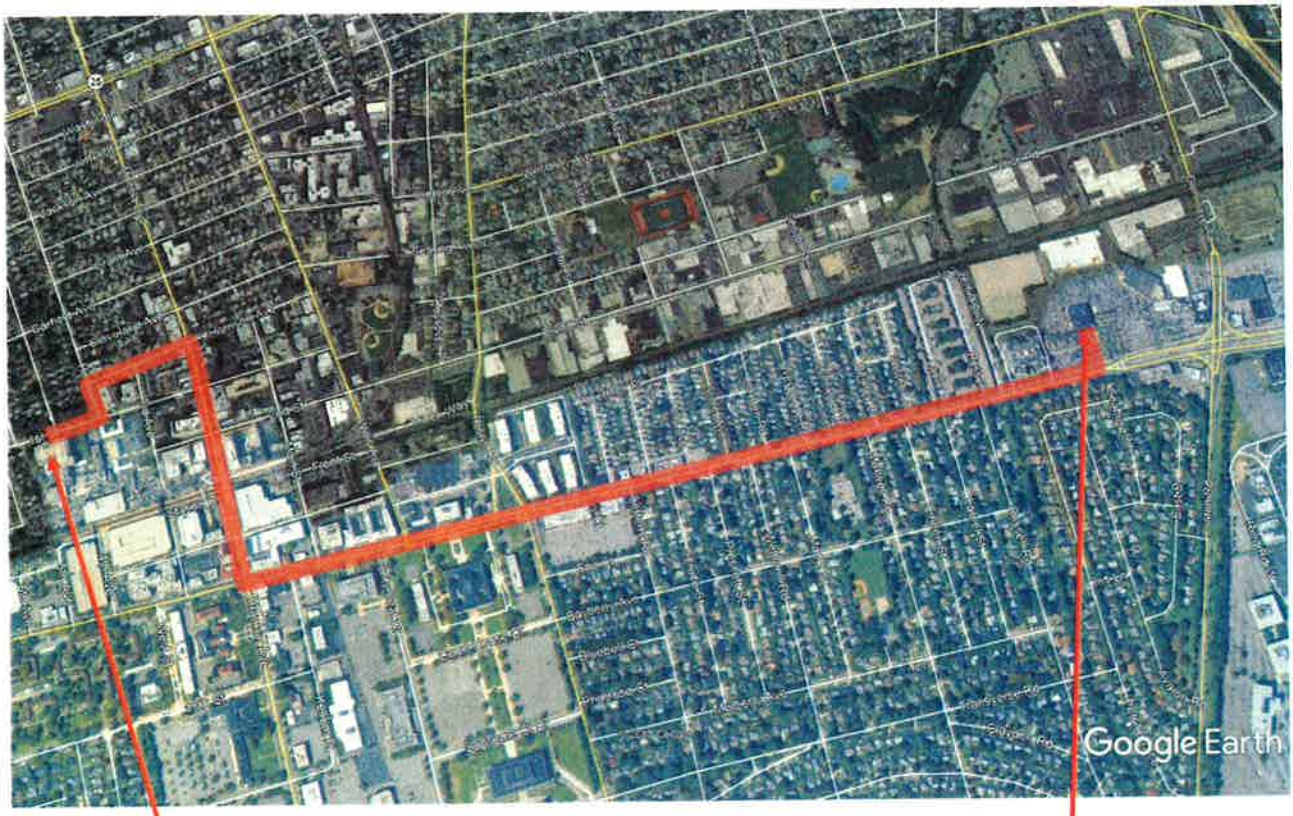
a). Transportation of Victims

If the victim can be safely transported without risk of additional injury, the nearest hospital is **New York University Winthrop Hospital (259 1st Street, Mineola, N.Y. 11501 - Telephone #1-516-663-0333.**

The most direct or emergency route from the subject property to the hospital is as follows **(see Hospital Location Plan – Figure #3 - NEXT PAGE)**:

- Exit parking lot making right (heading West) onto to Old Country Rd. (0.1 mi.);
- Continue West on Old Country Rd to Mineola Blvd. (1.3 mi.);
- Turn right (North) onto Mineola Blvd. (0.3 mi.);
- Turn left (West) onto Harrison Ave. (0.1 mi.);
- Turn left (South) onto Horton Hwy. (249 ft.);
- Turn right (West) onto 1st St. (197 ft.);
- NYU Winthrop Hospital will on your right.
-

Total Travel Estimate: 8 minutes
Total Mileage: 1.6 miles



NYU Winthrop Hospital
259 1st St.
Mineola, N.Y.
516-663-0333

Subject Property
115 Old Country Rd.
Carle Place, N.Y.

SOIL MECHANICS ENVIRONMENTAL SERVICES
3770 Merrick Road, Seaford, NY 11783
P 516.221 7500 Email Soilmech@optonline.net

Figure #3
Hospital Location Plan

DATE: 5/19

SCALE: N.T.S.

JOB NO.: 19-047

N

b). Emergency Notification

The following is a list of telephone numbers for the nearest hospital and emergency response personnel (See table #3):

Table #3

#	Contact Name	Telephone #
1	Nassau University Medical Center	516-572-0123
2	Fire Emergency	911
3	Ambulance/Rescue Squad	911
4	Nassau County Police	911
5	NYSDEC Spill Hotline	1-800-457-7362
6	NYSDEC – Project Manager ***Girish Desai***	631-444-0243 (Office) _____ (Cellular)
7	Nassau County Health Department	1-516-227-9697
8	NYS Health Department	1-518-402-7880
9	NYSDEC Region I Headquarters Spills Division	1-631-444-0320
10	Soil Mechanics Project Manager Altan Gulum	1-516-221-7500 (Office) 1-516-315-6191 (Cellular)
11	Soil Mechanics Site Safety Officer Dan Marzano	1-516-221-7500 (Office) 1-516-315-0574 (Cellular)

7.0 EMERGENCY MEDICAL TREATMENT

A first aid kit will be provided on-site for emergency medical treatment. The SSO or his representative will call for an ambulance or contact the hospital, as deemed necessary. All on-site personnel should monitor their co-workers for signs of heat and cold stress

a). Physical Hazards

Please be advised that this HASP addresses potential environmental hazards associated with historic land usage. It is not intended to address the normal hazards of construction work, which are covered by OSHA regulations and/or local and state construction codes or regulations.

The topics below, however, identify the type of physical hazards, which may be present on the Site during remedial activities. The SSO will be immediately notified of should an occurrence or accident occur as a result of the following:

Slip, Trip, Fall – These type hazards result from unleveled surfaces, slippery surfaces, and hard to see objects located across walking paths (i.e., rope, cords), and are responsible for a large majority of work-related injuries. A fall hazard may originate as a result of the void created by excavations and uneven surfaces on the Site.

Heavy Equipment – Heavy equipment is necessary for both excavation and transport of materials. Associated hazards include poor operator visibility and inability to be fully aware of surroundings at all times (i.e., people, mobile and stationary objects). Severe slopes may be present which present potential rollover and fall hazards to operators and Site personnel.

Excavations – Excavation of the Site has the potential to create hazards to Site personnel. For example, equipment may fall into open excavations. Workers may also fall into excavated areas. Excavations may cave in if not properly sloped or shored. Also, excavations may fill with water following extensive rainfall.

Oxygen-Deficient Atmosphere – Oxygen-deficient atmospheres may occur in some areas on-site, including excavation areas. OSHA defines oxygen deficient atmospheres as environments with less than 19.5% oxygen content, by volume. Under no circumstances will confined apace entries be attempted as part of remedial activities.

Drum Handling – If drums or other containers are encountered, the area will be cordoned off and the below listed steps will be followed. In the event additional under or above ground tanks are identified they will be decommissioned as outlined in 40 CFR part 280 and 6NYCRR parts 612 –614.

1. If there is evidence of petroleum spill, notify the NYSDEC Spill Hotline within two hours.

2. The SSO will examine the drum to determine its condition and whether it contains any materials. If the drum is empty, remove and dispose of as scrap.
3. If the drum contains any material, the SSO or his representative will sample the contents using procedures appropriate to the condition of the drum. All samples will be analyzed for volatile and semi-volatile organic compounds, PCB's, metals, reactivity, and flash point following NYSDEC ASP procedures by a New York State Department of Health ELAP-certified laboratory.
4. The SSO will oversee transportation of any identified drum(s) to a secure location with secondary containment, utilizing all appropriate safety precautions.
5. Following interaction with the NYSDEC, the drum will be disposed of in accordance with all applicable regulations.

Housekeeping and Sanitation – In order to permit safe and efficient work conditions, all work areas shall be kept clean and free of debris. All office trailers will be mopped and cleaned on a weekly basis. All hand tools will be kept in storage until they will be needed for use. Trash containers will be leak proof, clean and maintained in a sanitary condition. If vermin are encountered, an approved extermination method will be initiated.

- Potable water will be used for first aid, drinking, and personal hygiene purposes. All floors will be kept free of standing water. Disposable drinking cups will be provided along with the water coolers. Community drinking cups will not be permitted.
- Portable toilets will be provided on site, a minimum of one toilet for each 15 employees, separate and designated by gender. The toilets will be maintained on a weekly basis.

Toxic Atmospheres – Toxic atmospheres may exist around the excavation areas, material staging areas, and material load-out areas. By nature of the work to be performed, varying concentrations of toxic airborne contaminants may be generated. In the disturbance of affected soils and dusts, the human sense of smell is not sufficient to provide adequate warning of unsafe levels of airborne substances. Where affected materials may exist, air monitoring will be performed by the SSO or his representative utilizing real time direct-reading instrumentation. Air monitoring will be completed in general conformance Community Air Monitoring Plan (CAMP) outlined in generic NYSDOH guidance documents.

Falling Objects – Operations of trucks and excavating equipment on-site can create hazards from falling objects. Hard Hats, safety glasses, and steeled-toed footwear will be required for personnel in all operations and areas on-site, with the exception of the front gate security area and the office and support trailers.

Lighting Levels – For work activities scheduled after dusk, poor lighting conditions may increase risk of injury. Low light levels may exist in confined spaces as well. If work is to be performed after dusk or before dawn, supplemental Site and vehicle lighting will be used. No operations will be performed after these periods of the day without both supplemented and vehicle lighting systems.

Heat Stress – Heavy construction work in the summer months can create heat stress conditions for employees. The use of respiratory protective equipment and protective (non-breathable) clothing, boots, and gloves can greatly increase the potential for heat stress. A first aid kit will be provided on-site for minor emergency medical treatment.

- Transient heat fatigue, caused by non-acclimation of workers to heat, is characterized by decline in the worker's alertness and concentration.
- Heat rash, also known as prickly heat, is caused by the body's inability to remove sweat by evaporation. This is aggravated more by the wearing of protective clothing, which prevents the sweat from evaporating. Frequent showers, the use of baby powder, and resting at regular intervals can alleviate the condition.
- Heat cramps are painful spasms caused by loss of salt and other electrolytes from the body. Relief is provided by drinking half a glass of water containing half a teaspoon of salt every 15 minutes. Cramps can also be prevented by drinking an electrolyte mixture (such as Gatorade) while working. Persons who have heart problems or are on low sodium diets must consult a physician for relief of heat cramps.
- Heat exhaustion is caused by excessive sweating. The worker will continue to sweat, but experience extreme weakness, fatigue, giddiness, nausea, or headache. The worker may vomit or faint. The skin will be clammy or moist, complexion will be flushed or pale, and body temperature will be normal or slightly higher. The victim should lie down in a cool place, with the feet elevated 8-12 inches. Lightly salted liquids – i.e., half a glass of water with half a teaspoon of salt – should be administered every 15 minutes. Cool, wet cloths can also be applied. If vomiting occurs, discontinue fluids and take victim to the hospital.
- Heat stroke, the most dangerous form of heat-related injury, is life threatening. Body temperature will rise significantly and rapidly, i.e., $>105^0$F; the skin will be hot, dry, and usually red in spots; pulse will be rapid and strong. The victim will no longer be sweating. An ambulance must be summoned immediately but, in the meantime, move the victim to a cool place, soak his/her clothes with water, and fan his/her body vigorously to promote cooling and quickly reduce body temperature.

  Prevention is the first and foremost means of handling heat stress problems. Workers should drink 1 to 1.6 gallon of fluid per day to maintain body fluids and body weight.

Cold Stress – Cold-related problems are the result of low ambient temperatures and/or wind velocity. Wind chill is the term used to describe the effect of moving air on human flesh. Frostbite and hypothermia are the two cold-related problems of concern. Frostbite is characterized by white to grayish-yellow skin color and should be treated by rapidly warming the affected part in running water at 102 to 105^0F. Hypothermia is characterized by excessive shivering and in severe cases, unconsciousness may result. Warm the victim as quickly as possible by moving to a warm, sheltered area and/or placing him/her in a tub of water 102 to 105^0F.

Field workers and contractors should inform the SSO if they feel excessively chilled. The SSO should be alert to cold weather, and assure that workers are warmly dressed and take shelter periodically.

Electrical – Electrical hazards may exist during maintenance, operation and mobilization activities. Employees will be trained in and shall use Lockout/Tagout procedures.

Traffic Safety – During hauling operations, there will be a significant level of truck traffic coming to and from the excavation area. Pedestrian traffic on the Site may be at risk as traffic moves along the haul roads from which trucks enter and leave the excavation areas.

Unleveled Surfaces – Unleveled surfaces result from excavation activities and the natural terrain in some areas. These areas will be flagged or roped off to eliminate traffic.

Flammable Atmosphere – All excavations will be screened for the presence of organic vapors and/or combustible gases by the SSO. The SSO or his representative will notify all parties if potentially hazardous atmospheres are discovered.

Noise – High noise levels (in excess of 85 dBA for extended periods) can result in temporary and permanent loss of hearing. Areas where noise levels exceed 85 dBA will be posted and hearing protection will be provided and worn. Noise dosimetery will be performed as required by the OSHA specifications.

Compressed Gases – Stored energy in cylinders, when released, can result in projectiles. Fire and explosion will result from the ignition of flammable gases. Toxic or oxygen-deficient atmospheres will result from the release of gases in confined spaces.

Fire – Many ignition sources exist on the Site, which may cause a fire. Fuel sources may exist in the form of flammable liquids, combustible materials and flammable gases. Accumulation of debris can contribute fuel to fires. Improper storage and use of flammable materials may result in a fire.

b). Biological Hazards

Potential biological hazards include plants, ticks, snakes, ants, and various stinging insects. Some of the most common biological hazards can be prevented or the effects reduced by over-the-counter medications. These medications, as recommended by local pharmacists, will be kept in supply in the office first aid kit. Workers who know they are sensitized to any biological hazard should not perform any task that would increase their risk for anaphylactic shock.

Poisonous Plants

Common poisonous plants on site may include plants from the poison ivy group, including poison oak and sumac. The most distinctive features of poison ivy and oak are that their leaves are composed of three leaflets (Figure 4-1). Both of these plants have greenish-white flowers and berries that grow in clusters. These plants can produce a severe rash characterized by redness, blisters, swelling, and intense burning and itching. The victim may also develop a headache, high fever and feel very ill. The rash will usually begin to appear within a few hours but may be delayed for 24 to 48 hours.

If contact occurs with a poisonous plant, remove all contaminated clothing and wash any exposed skin thoroughly with soap and water, followed by rubbing alcohol. Apply calamine lotion if rash is mild. Seek medical advice if a severe reaction occurs or if there is a known history of previous sensitivity. If a poisonous plant is found in the work area, the SSO should be notified so that it can be removed. All personnel working in an area with poison ivy should wear a Tyvek suit, at a minimum, to avoid skin contact.

Ticks

Ticks are wingless, bloodsucking insects. Certain types of ticks can carry diseases such as rocky Mountain Spotted Fever (RMSF) and Lyme's Disease.
In New York, RMSF is most commonly spread by the American dog tick (dermacentar *variables*). It can also be spread by dermal contact with tick blood or feces. Fewer than 50 cases of RMSF are reported annually in New York. Symptoms of RMSF include the sudden onset of moderate to high fever, severe headache, fatigue, deep muscle pain, chills, and rash. Lyme disease is caused by a bacteria transmitted by the deer tick (Ixodes *scapularis*). The New York State Department of Health is aware of over 40,000 cases of Lyme disease in New York since 1986. The chances of being bitten by a deer tick vary depending on the time of year. Deer ticks in the nymphal stage are active from mid-May to mid-August. Adult deer ticks are most active in mid to late fall. In 60-80% of cases, a large, reddish rash about 2 inches in diameter appears around or near the site of the bite. This rash is sometimes referred to as the bull's eye rash (Figure 4.4). Multiple rashes may occur. Symptoms of Lyme disease include chills and fever, headache, fatigue, stiff neck, muscle and/or joint pain, and swollen lymph nodes. If left untreated, serious nerve and heart damage may develop. The rash may develop from three days to a month after the tick bite.

Early treatment of Lyme disease symptoms with antibiotics can prevent the more serious medical problems of the later stages of the disease. If you suspect that you have been bitten by a tick or you have symptoms of Lyme disease, notify the SSO or your physician.

Bull's Eye Rash

When working in high grasses or brush, on-site personnel should wear Tyvek coveralls and boot covers with the joints taped. An insect repellant containing DEET is also recommended. It has been proven that the longer an infected tick remains on the body, the greater the chance that it will transmit disease. Because of this, workers should check themselves for ticks on a regular basis.
If an attached tick is found, remove it by grasping the tick with a pair of tweezers as close to the skin as possible. Be careful not to leave any part of the tick attached. The skin area of the victim should be marked or circled to indicate where the bit occurred. The tick should be placed in a container or zip-lock bag and marked as to the date, time and body area as from which it was removed. Universal precautions (Section 4.5) should be used during this procedure. The area should be washed with soap and water and then covered with an antibiotic ointment to prevent infection.

Snakes

If snakebite occurs, a tourniquet should be applied between the bite and the heart. The wound should be immobilized and held below the level of the heart. The victim (and snake if possible) must be immediately taken to the nearest hospital.

Insect Stings

Stings from insects are often painful, cause swelling and can be fatal if a severe allergic reaction such as anaphylactic shock occurs. If a sting occurs, the stinger should be scraped out of the skin, opposite of the sting direction. The area should be washed with soap and water followed by an ice pack.
If the victim has a history of allergic reaction, he should be taken to the nearest medical facility. If the victim has medication to reverse the effects of the sting, it should be taken immediately.

If the victim experiences a severe reaction, a constricting band should be placed between the sting and the heart. The bitten area should be kept below the heart if possible. A physician should be contacted immediately for further instructions.

c). Bloodborne Pathogens

The majority of the occupational tasks on-site will not involve a significant risk of exposure to blood, blood components, or body fluids. The highest risk of acquiring any bloodborne pathogen for employees on-site will be following an injury. Then administering first aid care, there are potential hazards associated with bloodborne pathogens that cause diseases such as Human Immunodeficiency Virus (HIV), Hepatitis B (HBV), Hepatitis A (HAV), or the Herpes Simplex Virus (HSV). An employee who has not received the appropriate certification should never execute first aid and/or CPR.

In order to minimize any potential pathogen exposure, all employees should use the hand washing facilities on a regular basis. The decon area will provide an adequate supply of water, soap, and single use towels for hand washing. Additionally, the following universal precautions should be followed to prevent further potential risk:

- Direct skin or mucous membrane contact with blood should be avoided.
- Open skin cuts or sores should be covered to prevent contamination from infectious agents.
- Body parts should be washed immediately after contact with blood or body fluids that might contain blood, even when gloves or other barriers have been used.
- Gloves and disposable materials used to clean spilled blood shall be properly disposed of in an approved hazardous waste container.
- First aid responders shall wear latex or thin mil nitrile gloves when performing any procedure risking contact with blood or body substances.
- Safety glasses will be worn to protect the eyes from splashing or aerosolization of body fluids.
- A CPR mask will be worn when performing CPR to avoid mouth-to-mouth contact.
- Work gloves will be worn to minimize the risk of injury to the hands and finger when working on all equipment with sharp or rough edges. Never pick up broken glass or possible contaminated material with your unprotected hands.

8.0 PERSONAL PROTECTION EQUIPMENT (PPE) ON-SITE

Based on information obtained by SMES, Level D protection should be adequate for most of the work to be performed in the Site's sub-slab soils. For the purpose of this Health and Safety Plan, Level D areas are defined as areas where gross ambient organic vapor levels, monitored in real time, range from site background to 5 ppm over background. Background readings will be obtained each day within the work area prior to commencement of work and along the perimeter of the work site.

For the purpose of this Health and Safety Plan, Level D protection generally consists of: work clothes/coveralls, gloves, safety glasses, safety boots, and a hard hat (see complete requirements in Table #2 below).

If concentrations of organic vapors, as monitored in real time, exceed 5 ppm over site background, or toxic airborne substances are known to exist, personal protection will be upgraded to Level C.

For the purpose of the Health and Safety Plan, Level C areas are defined as areas where gross ambient organic vapor levels, monitored in real time, exceed 5 ppm over background but are less that 500-ppm or where the presence of toxic/explosive airborne substances are known or suspected.

Level C protection generally adds a full-face air-purifying respirator to the Level D protection described above and requires Tyvek coveralls, chemical resistant gloves, and boots (see complete requirements in Table #2 below).

Table #2 - PPE Specifications

Level	PPE	Head	Respirator
D	Work clothes; steel-toe, leather work boots; work gloves (as required for specific tasks); reflective safety vest	Hardhat Safety glasses Ear protection	None required
Modified D	Work clothes or cotton coveralls reflective safety vest **Boots:** Steel-toe, chemical-resistant boots or steel-toe, leather work boots with outer rubber boot covers **Gloves:** Inner surgical-style nitrile & outer chemical-resistant nitrile gloves.	Hardhat Safety glasses Ear protection d	None required
C	**Coveralls:** Polycoated Tyvek **Boots:** Steel-toe, chemical-resistant boots OR steel-toe, leather work boots with outer rubber boot covers **Gloves:** Inner surgical-style nitrile & outer chemical-resistant nitrile gloves.	Hardhat c Splash shield c Ear protection d Spectacle inserts	APR, half face, MSA Ultratwin or equivalent; with organic vapor and particulate cartridges
B	**Coveralls:** Polycoated Tyvek□ **Boots:** Steel-toe, chemical-resistant boots OR steel-toe, leather work boots with outer rubber boot covers **Gloves:** Inner surgical-style nitrile & outer chemical-resistant nitrile gloves	Hardhat	Positive-pressure demand selfcontained breathing apparatus (SCBA); MSA Ultralite, or equivalent.

During the course of excavation activities, all efforts will be made to minimize activities that will create dust. Dust suppression, including wetting down the work area, will be utilized as necessary.

Upgrading or downgrading of PPE must be authorized by the SSO. The general guidance will be as follows:

Upgrading of PPE

- Request from individual performing tasks to go to a higher level.
- Change in work tasks that will increase contact or potential contact with hazardous materials.
- Occurrence or likely occurrence of gas or vapor emission increases.
- Known or suspected presence of dermal hazards is identified.
- Instrument action levels exceeded.

Down Grading of PPE

- New information indicating that situation is less hazardous than originally thought.
- Change in site conditions that decrease the hazard.
- Change in work task that will reduce contact with hazardous materials.
- The site safety officer shall determine any changes after consulting with Applegate Associates.

9.0 BASIC EQUIPMENT

Basic safety equipment will be kept on-site to monitor site conditions and respond to emergency situations. This equipment includes, but is not limited to, the following:

1.) First Aid Kits
2.) Portable eyewash
3.) Type ABC fire extinguisher
4.) Photo Ionization Detector (PID)*
5.) Combustible Gas Indicator (CGI)*
6). Particulate Air Monitor*
* provided by SSO

10.0 PERSONNEL TRAINING

All personnel working on-site who will be exposed to the site's native soils during development of the property will have received a minimum of 40 hours of Health and Safety training in accordance with OSHA 1910.120(e).

Craft Labor who will be working on-site are responsible for understanding and complying with HASP requirements and for notifying either: a) the SSO; b) the SSO's representative; c) the site superintendent; or d) their supervisor of any concerns they might have for their health and safety on the job. Craft Labor and all other support personnel are responsible for conducting themselves in a safe manner, mindful of the inherent hazards associated with working around contaminated materials, heavy equipment, and extreme environmental conditions.

Prior to disturbing the Site's soils a Tailgate Safety Meeting will be given by the SSO or his representative to acquaint field personnel with project-specific health and safety requirements. This meeting will address the key aspects of this HASP. Supplemental, Tailgate Safety Meeting will be conducted, as deemed necessary.

All personnel and subcontractors performing field work that brings them into contact with the Site's soils must comply with medical surveillance requirements of OSHA 1910.120(f). All contractors will be responsible for confirming their personnel's physician's medical release prior to commencement of on-site work activities. The medical examination will, at a minimum, be provided annually and upon termination of

hazardous waste site work, additional medical testing may be necessary if an overt exposure/accident occurs, or if other site conditions warrant further medical surveillance. A copy of the medial report will be made available to the Site Superintendent. The report will accompany any personnel transported from the Site for medical attention.

11.0 FIELD PROCEDURES

Site excavation activities that bring workers into contact with the Site's soils will be initially defined as Level 'D'. If conditions warrant, personnel protection will be upgraded as deemed necessary by the SSO or his representative. Level 'C' areas will be cordoned off while work is taking place. Access to areas designated will be provided only to those persons directly involved in the field operations and only if the appropriate level of personal protection is worn. All equipment and personnel will be subjected to decontamination procedures before leaving an area of restricted access. Separate work zones and decontamination zones will be pre-designated in areas requiring Level C protection.

a). Confined Space Entry

Confined space entry will not be attempted, by any party, during site development. In the event a confined space entry becomes necessary during the aforementioned site development activities the SSO will be contacted 48-hours prior to same in order that appropriate measures, can be implemented. If a confined space is attempted, it will be subject to all applicable Federal and New York State regulations. And include:

- Initial hazard assessment including atmospheric testing of the confined space for, at a minimum, oxygen content, flammability and toxic contaminants.
- Mechanical ventilation of the confined space, if needed.
- Employee training and indoctrination of confined space entry per 29 CFR 1910.146.
- Entrant shall wear an Oxygen monitoring device.
- Personnel protective equipment to be used will be a minimum of Level C protection.
- Level B personnel protection, including a self-contained breathing apparatus (SCBA), will be required for confined space entry if pre-entry atmospheric testing indicates contaminant concentrations greater than two times the TLV or the oxygen content is not between 19.5 percent and 23.5 percent.
- Air monitoring test results will be recorded by the SSO or his representative.

b). Work and Support Areas

To prevent migration of contamination by personnel or equipment, work areas and necessary personal protective equipment will be established by the SSO when previously unidentified contaminated soil or buried material is encountered. Work areas will be divided into three (3) zones as follows: a) exclusion or "hot" zone (EZ); b)

contamination reduction zone (CRZ); and support zone (SZ). The construction site is a dynamic environment. Accordingly, these zones will be reassessed and modified as the work progresses. The exclusion zone will be clearly delineated with orange, high viability fencing and labeled with the letters EZ posted at every other fence post by the contractor conducting the work under the supervision of the SSO or his representative.

Exclusion Zone

The EZ will consist of areas where inhalation or dermal contact with contaminants is possible. This EZ will be dynamic and re-defined as site operations progress. Any stockpiled soil either characterized as containing contaminant(s) at or above NYSDEC – TAGM 4046 RSCOs or not classified will be considered to be additional exclusion zones.

Contamination Reduction Zone

The CRZ also referred to as the decontamination zone will be established between the EZ and SZ. In this area, personnel will implement the decontamination process required to exit the exclusion zone. To prevent off-site migration of contamination all personnel will enter and exit the exclusion zone through the CRZ. The CRZ will contain an area to wash and rinse boots, store reusable boots and other PPE, a hand and face wash area, and receptacles for disposable PPE.

Support Zone

The SZ will consist of all areas outside the EZ. Smoking, eating and drinking will be allowed only in designated areas in the support zone. All employees must wash their hands and face before eating, drinking or smoking in designated areas.

Access Controls

All personnel entering the site will sign the daily sign-in sheet to be maintained by the SSO. The SSO or his representative will establish the limits of each zone using visible means, and will instruct all workers and visitors on the confines of the restricted areas. No one will be allowed to enter the restricted area without the required PPE and/or required training documentation. The SSO or his representative will establish a decontamination point for personnel to exit from the contaminated area and enter in to the clean area where personnel may rest and drink fluids.

All visitors will be required to check in immediately upon arrival at the Site. Only authorized visitors will be allowed access to the contaminated areas. Each visitor will be required to provide the necessary protective equipment for use during the visits and will be escorted by the SSO or his representative while on site. All visitors, subcontractors and personnel are required to sign the safety plan acknowledgment sheet to certify that they have read and will comply with the site health and safety plan. Failure to comply with this site entry procedure will result in removal from the site.

c). Hazard Analysis

This section provides safe work practices and control measures used to reduce or eliminate potential hazards. These practices and controls are to be implemented by the party in control of either the site or the particular hazard. All on site personnel must remain aware of the hazards affecting them regardless of who is responsible for controlling the hazards.

POTENTIAL HAZARDS	TASKS					
	Excavation	Utility installation	Drum sampling and disposal	Loading material for Off-site disposal	Remediation & Construction	Foundation and Site Work
Flying debris/objects	✓	✓	✓	✓	✓	✓
Noise > 85dBA		✓		✓	✓	✓
Electrical	✓	✓			✓	✓
Suspended loads	✓	✓	✓	✓	✓	✓
Buried utilities, drums, tanks	✓	✓		✓	✓	✓
Slip, trip, fall	✓	✓	✓	✓	✓	✓
Back injury	✓	✓	✓	✓	✓	✓
Confined space entry	✓	✓	✓			
Trenches / excavations	✓	✓	✓	✓	✓	✓
Vehicle traffic	✓	✓				
Elevated work areas/falls						
Fires	✓	✓	✓	✓	✓	✓
Struck by/ caught in	✓	✓	✓	✓	✓	✓
Heavy equipment	✓	✓	✓	✓	✓	✓
Chemical exposure	✓	✓	✓	✓	✓	✓

Excavation

Excavation of contaminated soil may be necessary during site excavation activities. Accordingly, it may be necessary to enter excavations if potentially contaminated material is identified. All excavations into the Site's sub-slab soils will be assumed to contain contaminated soils until proven otherwise. Air monitoring will be performed during all activities that disturb the Site's sub-slab soils. No entry into excavations will be allowed without the approval from the SSO or his representative. Entry into a trench or excavation with potentially hazardous atmospheres will require the entry to follow confined space protocols.

- Do not enter the excavations unless completely necessary, and only after the competent person has completed the daily inspection and has authorized entry.
- Follow all excavation entry requirements established by the competent person.
- Do not enter excavations where protective systems are damaged or unstable.
- Do not enter excavations where objects or structures above the work location may become unstable and fall into the excavation.

- Do not enter excavations with the potential for a hazardous atmosphere until the air has been tested and found to be at safe levels.
- Do not enter excavations with accumulated water unless precautions have been taken to prevent excavation cave-in.

Respiratory Protection

Respirator users must have completed appropriate respirator training. Level C training is required for air-purifying respirators (APR) use and Level B training is required for supplied-air respirators (SAR) and self-contained breathing apparatus (SCBA) use. Specific training is required for the use of powered air-purifying respirators (PAPR).

- Respirator users must complete the respirator medical monitoring protocol and been approved for the specific type of respirator to be used.
- Tight-fitting face piece respirator (negative or positive pressure) users must have passed an appropriate fit test within past 12 months.
- Respirator use shall be limited to those activities identified in this plan. If site conditions change that alters the effectiveness of the specified respiratory protection, the SSO shall be notified to amend the written plan.
- Tight-fitting face piece respirator users shall be clean-shaven and shall perform a user seal check before each use.
- Canisters/cartridges shall be replaced according to the change-out schedule specified in this plan. Respirator users shall notify the SSO of any detection of vapor or gas breakthrough. The Site safety officer shall report any breakthrough events to the Superintendent for schedule upgrade.
- Respirators in regular use shall be inspected before each use and during cleaning
- Respirators in regular use shall be cleaned and disinfected as often as necessary to ensure they are maintained in a clean and sanitary condition.
- Respirators shall be properly stored to protect against contamination and deformation.
- Field repair of respirators shall be limited to routine maintenance. Defective respirators shall be removed from service.

Earthmoving Equipment

Heavy equipment will be used to handle potentially contaminated soil and material. Operators may be exposed to airborne hazards and may also contact contaminated soils. The equipment itself may become contaminated due to contact with soils to the wheels, hoses, etc or tracks and buckets.

- Only authorized personnel are permitted to operate earthmoving equipment.
- Maintain safe distance from operating equipment and stay alert of equipment movement. Avoid positioning between fixed objects and operating equipment and equipment pinch points, remain outside of the equipment swing and turning radius. Pay attention to backup alarms, but not rely on them for protection. Never

turn your back on operating equipment.

- Approach operating equipment only after receiving the operator's attention. The operator shall acknowledge your presence and stop movement of the equipment. Caution shall be used when standing next to idle equipment; when equipment is placed in gear it can lurch forward or backward. Never approach operating equipment from the side or rear where the operator's vision is compromised.
- When required to work in proximity to operating equipment, wear high-visibility vests to increase visibility to equipment operators. For work performed after daylight hours, vests shall be made of reflective material or include a reflective stripe or panel.
- Do not ride on earthmoving equipment unless it is specifically designed to accommodate passengers. Only ride in seats that are provided for transportation and that are equipped with seat belts.
- Stay as clear as possible of all hoisting operations. Loads shall not be hoisted overhead of personnel.
- Earthmoving equipment shall not be used to lift or lower personnel.
- If equipment becomes electrically energized, personnel shall be instructed not to touch any part of the equipment or attempt to touch any person who may be in contact with the electrical current. The utility company or appropriate party shall be contacted to have line de-energized prior to approaching the equipment.

General Practices and Housekeeping

- Site work should be performed during daylight hours whenever possible. Work conducted during hours of darkness requires enough illumination intensity to read a newspaper without difficulty.
- Good housekeeping must be maintained at all times in all project work areas.
- Common paths of travel should be established and kept free from the accumulation of materials.
- Keep access to aisles, exits, ladders, stairways, scaffolding, and emergency equipment free from obstructions.
- Provide slip-resistant surfaces, ropes, and/or other devices to be used.
- Specific areas should be designated for the proper storage of materials.
- Tools, equipment, materials, and supplies shall be stored in an orderly manner.
- As work progresses, scrap and unessential materials must be neatly stored or removed from the work area.
- Containers should be provided for collecting trash and other debris and shall be removed at regular intervals.
- All spills shall be quickly cleaned up. Oil and grease shall be cleaned from walking and working surfaces.

d). Air Monitoring

Air monitoring will be conducted during any activity that disturbs the Site's sub-slab soils, in accordance with requirements specified in 29 CFR 1910.134, to assure proper selection of engineering controls, work practices and personal protective equipment so that workers are not exposed to levels which exceed permissible exposure limits, or published exposure limits. Air monitoring, with respect to volatile organic contaminants, will be conducted concurrent to all earthwork work activities that disturb the Site's sub-slab soils until all exposure pathways have been eliminated.

Once having identified concentrations of specific contaminants and their respective permissible exposure limits (PEL), as identified by NIOSH and/or OSHA, appropriate respiratory protection will be selected. In cases pertaining to oxygen deficient environments, pressure demand supplied air will be utilized accordingly. In cases where oxygen deficiency is not an issue, individual contaminants and their respective concentrations must be determined.

Monitoring equipment to be utilized, as deemed necessary, will include a PID, CGI, and a particulate air monitor. Site Safety Officer(s) and any other personnel within the work area or area of restricted access, will modify personal levels of protection, as deemed appropriate, relative to 29 CFR 1910.134.

The PID will used to delineate potentially contaminated areas encountered during excavation activities. If any visual evidence of staining is identified, the PID will be used to delineate the affected material to be removed from the site or stockpiled separately. If the PID readings are greater than 10 ppm in the breathing zone and personnel are required to work in that immediate vicinity, they will be required to upgrade PPE as required by the SSO.

If necessary a particulate monitor will be use to determine if dust levels are too high for the breathing zone. Increased level may require implementation of dust suppression efforts or upgrading of PPE as required by the SSO.

If there is a potential for workers to be overexposed above the PEL for specific chemical personal air monitoring may be required above and beyond the direct reading instruments to determine immediate breathing zone hazards.

Procedures for air monitoring:

The SSO, his representative, or the Site superintendent will be immediately informed when: a) any suspicious odors are detected; b) stained soils are observed; c) a sheen is observed on water impoundments; d) if buried drums or other material are discovered. The air will be tested with the PID or similar meter for organic vapors and odors. The SSO, his representative, or the Site Superintendent will determine the appropriate PPE necessary.

If VOC concentrations exceed 5 ppm over background, work will stop immediately and personnel will move upwind of the work area. The area will be allowed to vent for a minimum of five minutes. At the end of the five-minute waiting period, air quality measurements will be recorded again. If the measured concentrations continue to exceed the action levels, the fieldwork may be postponed until the situation has been re-evaluated, the source of the material is determined and new health and safety guidelines are established.

When visual dust is observed dust suppression methods must be taken such as spraying the surface with copious amounts of water or capping the existing soils with clean fill or stone. When workers enter a trench or an excavation 4 feet or deeper it shall be initially tested with a PID and a 4-gas meter including oxygen, combustible gas meter, and carbon monoxide.

The NYSDOH has issued guidelines for community air monitoring of fugitive dust emissions and VOCs during intrusive activities at known contaminated sites, such as the subject property. Due to the nature of known contaminants at the site, continuous real-time air monitoring for VOCs and/or particulate levels at the perimeter of the work area will be necessary as part of a Community Air Monitoring Plan (CAMP) during activities that disturb the Site's soils. Continuous air monitoring will be conducted around the perimeter of the site as a precaution for the surrounding community. Air monitoring levels will be measured and collected by SMES on a regular basis for the duration of daily work activities and recorded in field books. Further, HVAC air handlers will be turned OFF during any excavation efforts into the Site's sub-slab soil to ensure that vapors or fugitive dust are not inadvertently released throughout the building.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below. 1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or

exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will be allowed to resume with continued monitoring. 2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average. 3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. 4. All 15-minute readings will be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area. 2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will be allowed to resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration. All readings will be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

e). Explosivity

The work area will also be monitored for the presence of explosive gases, utilizing a combustible gas indicator. When levels approach 25 percent of the lower explosive limit (LEL), work will stop until explosive gases, including methane and non-methane organic gases, have dissipated sufficiently to resume work.

f). Record Keeping

All contractors are to maintain a DAR to document all on-site personnel, visitors, etc. and submit same to the SSO on a weekly basis. The project superintendent, the SSO, and/or his representative will maintain a record of all individuals on-site that up-grade PPE above Level D. Readings of all utilized monitoring equipment will be periodically recorded in addition to noting observed peak readings by the SSO or his representative.

12.0 DECONTAMINATION

The SSO will monitor the decontamination procedures and their effectiveness, if utilized. Decontamination procedures found to be ineffective will be modified as directed the SSO, his representative, or the Site Superintendent. The SSO, his representative, or the Site Superintendent will ensure that procedures are established for disposing of waste materials generated on the site. The decontamination set up and associated exclusion zones, etc. will be decided by the SSO, his representative, or the site superintendent based on air monitoring results and soil sample results.

a). Decontamination Specifications Personnel

- Boot wash/rinse or disposal into drum
- Glove wash/rinse or dispose of in drum
- Outer-glove removal
- Body-suit removal
- Inner-glove removal
- Respirator removal rinse and clean after use
- Hand wash/rinse with soap
- Face wash/rinse with soap
- Dispose of PPE in 55-gallon drum designated for PPE waste for disposal
- Dispose of personnel rinse water to facility or sanitary sewer, or contain for offsite disposal

b). Decontamination Specifications Heavy Equipment

- Wash/rinse equipment
- Power wash wheels, hoses
- Dispose of equipment rinse water in Vactor tank

No eating, drinking, or smoking is permitted in contaminated areas and in exclusion or decontamination zones. The SSO or his representative will establish areas for eating, drinking, and smoking. Contact lenses are not permitted in exclusion or decontamination zones. Work zones are to be modified as necessary by the SSO, his representative, or the Site superintendent to accommodate task-specific requirements.

c). Location of Decontamination Areas

The exclusion zone will have flagging / barriers with signs reading "Exclusion Zone - Level C PPE Required", "No eating, drinking or smoking allowed" clearly marked; This Decontamination Area includes the following items:

- 6mm polyethylene sheeting as a base, overlaid on a soil berm to prevent water run-off along with a sump;
- large buckets, 2 large brushes for personnel decon;
- Water canisters with pump-action dispensers for cleaning;
- Means to collect water collected in the sump;
- Provision of a bin to collect disposable PPE.
- Any workers entering this exclusion zone will be required to be 40hr OSHA trained and wear the appropriate PPE.

13.0 GENERAL WORK PRACTICES

To protect the health and safety of the field personnel, all field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance in contaminated areas:

- Eating, drinking, chewing gum, or tobacco, and smoking are prohibited, except in designated areas on the site. These areas will be designated by the SSO.
- Workers must wash their hands and face thoroughly upon leaving the work area and before eating, drinking, or any other such activity. The workers should shower as soon as possible after leaving the site.
- Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat stress.

14.0 ACKNOWLEDGMENTS OF HASP

This is an affidavit that must be signed by all workers who enter the site. A copy of the HASP must be on-site at all times and will be kept by the project superintendent or his representative.

AFFIDAVIT

I, _____ (NAME), of _____
have read the *"Health and Safety Plan"* (HASP) for the Lowe's Kings Plaza (Bldg) site. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

Additional on-site personnel please read the above affidavit and sign below:

NAME	COMPANY	DATE

For additional on-site personnel, copy this page and attach to HASP.