PERIODIC REVIEW REPORT

(April 01, 2018 to April 01, 2021)

Elks Plaza
189 West Merrick Road
Freeport, New York
Site #130193

Prepared for:

Elks Plaza, LLC
c/o 28 Campbell Drive
Dix Hills, New York 11746

Prepared by:

Tyll Engineering and Consulting, PC
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Commack, New York 11725

April 2021

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EXECUTIVE SUMMARY

The following Periodic Review Report (PRR) has been prepared by Tyll Engineering and Consulting PC., on behalf of Elks Plaza, LLC. The property is located at 189 West Merrick Road, in Freeport, New York (hereinafter referred to as "Site"). This document was prepared in accordance with the Site Management Plan (SMP) dated June 2014 for NYSDEC Site Number: 1-30-193.

Due to the Site's history of containing a dry cleaner, a pre-purchase site investigation was completed, which included a Phase II Subsurface Investigation which was performed in December of 2006. The Investigation included seven borings to collect both soil and groundwater samples. The soil samples had no detections of Perchlorethylene (PCE) but two of the groundwater samples in the southwest portion of the property (downgradient of former dry cleaner) had detections of PCE at 27 and 37 ug/L.

A Subsequent Site Characterization was completed in March 2010 which included a geophysical survey and the collection of soil samples. None of the soil samples had detections of PCE above Site Cleanup Objectives (SCOs). In addition, the two on-site supply wells used by the current laundromat were sampled along with an additional nine (9) groundwater samples that were collected using geoprobe technology. The results ranged between non-detected to the highest, 180 ug/L, found adjacent to a geophysical anomaly found in the parking lot.

Results from the soil vapor and indoor air vapor investigations yielded sub-slab detections that ranged from no detections to 54,000 ug/m^3 and indoor air results of no detections to 3.3 ug/m^3.

A Pilot Test Report and Interim Remedial Measured Work Plan was completed in September 2011.

The remedy (engineering control) chosen for the Site was the installation of a SVE system (Figure 3) that was operated from June 2012 to January 2013 and then converted to a more efficient SSD system in January 2013 (Figure 4). The SSDS has been in operation since January 2013. In addition, an environmental easement (institutional control) was executed and recorded to restrict land use and prevent future exposure to any contamination remaining at the site.

The Engineering Controls have been and are continuing to be effective at reducing the contamination at the Site and meeting the Remedial Action Objectives for both groundwater and soil vapor.

We believe that this downward trend illustrates that the PCE is no longer an issue at this Site. We would like to discontinue the Site Management activities/sampling at the Site. This PRR includes the sampling activities to support this assertion.

1.0 INTRODUCTION

The following Periodic Review Report (PRR) has been prepared by Tyll Engineering and Consulting, PC (TEC) on behalf of Elks Plaza, LLC for the property located at 189 West Merrick Road in Freeport, New York (Site) (Figure 1). This PRR document was prepared in accordance with the Site Management requirement of the Site as detailed in DER-10 and the site specific SMP.

1.1 Site Overview

The Site is located within the Village of Freeport, County of Nassau, New York and is identified as Section 62; Block114; and Lot 131 on the Nassau County Tax Map. The subject property (Site) is an approximate 3.41-acre area bounded by Merrick Road to the north, a vacant lot and Smith Street to the south, office buildings and Ocean Avenue to the east, and a private school, a bank and South Long Beach Avenue to the west (see Figures 1 and 2).

This Site consists of a tenant unit located in the southwest corner of a L-shaped, one-story concrete strip mall and includes the parking area to the south and west of the structure. The current use of the Site is an active, commercially zoned laundromat that does not perform dry cleaning. The surrounding properties are zoned commercial and residential.

1.2 Site History

As part of a pre-purchase site investigation, a Phase II Subsurface Investigation was performed in December of 2006 which included seven borings to collect both soil and groundwater samples. The soil samples had no detections of Perchlorethylene (PCE) but two of the groundwater samples in the southwest portion of the property (downgradient of former dry cleaner shown on Figure 2) had detections of PCE at 27 and 37 ug/L.

In March 2010, a Site Characterization was completed which included a geophysical survey and the collection of four (4) soil samples. The samples were collected one adjacent to a geophysical anomaly in the parking lot, one next to drywell, one below dumpster used by former dry cleaner and one below the location of the former dry cleaning machine. None of the four samples had detections of PCE above Site Cleanup Objectives (SCOs).

In addition, the two on-site supply wells used by the current laundromat were sampled along with an additional nine (9) groundwater samples that were collected using geoprobe technology. The results ranged between non-detected to the highest, 180 ug/L, found adjacent to the geophysical anomaly in the parking lot.

Also in March 2010, one sub-slab and one indoor air sample were collected within the laundromat and four other soil vapor and one outdoor air samples were also collected. The sub-slab results ranged from no detections to 14,900 ug/m^3 within the laundromat with indoor air results at 3.3 ug/m^3.

In June 2010, a supplemental soil vapor investigation was completed that included two additional sub-slab vapor samples and three additional indoor air samples. The PCE was detected in sub-slab soil vapors ranging from 2.17 to 54,000 ug/m^3 and from 2.17 to 3.25 ug/m^3 in the indoor air samples.

A Pilot Test Report and Interim Remedial Measured Work Plan was completed in September 2011. The pilot test included a boring completed within the footprint of the former dry cleaning machine and four (4) vapor extraction vents were installed and pilot tested. The samples at the beginning of the pilot test were 94,990 ug/m^3 of PCE and at the end of the test were 210,335 ug/m^3 PCE. In November 2012, three groundwater monitoring wells were installed along with the sub-slab vapor vent in the basement of the Woodward Children's Center.

Indoor air and sub-slab vapor sampling was completed at the off-site location, Woodward Center in February 2015 and February 19, 2016. During discussions with the NYSDOH and NYSDEC, it was determined that no further sub-slab and indoor air sampling was required.

1.3 Summary of Site Remedy

1.3.1 IRM Remedy

The site was remediated in accordance with the NYSDEC-approved Pilot Test Report and Interim Remedial Measure Work Plan dated January 2012 and Addendum #1 dated March 2012.

The following is a summary of the Remedial Actions performed at the site in January 2013

- No removal of contaminated soil was required.
- Installation of a sub-slab venting system consisting of four, 4-inch diameter vents. Installation of duct work to extend the four vents to the roof.
- Installation and operation of a soil vapor extraction (SVE) system (Figure 3) with a moisture knockout drum, 1 HP blower, and carbon treatment unit to remove PCE vapors from beneath the slab of the building.
- Conversion of the SVE system to a more energy efficient sub-slab depressurization system (SSDS) and continued operation of the system (Figure 4).
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

- Periodic certification of the institutional and engineering controls.

1.3.2 ROD Selected Remedy

Based on the results of the investigations at the site, the IRM that was completed, and the evaluation within the ROD, the Department proposed a No Further Action as the remedy for the site. This No Further Action remedy includes the continued operation of the SSDS and the implementation of the ICs/ECs. The NYSDEC stated that they believe that this remedy is protective of human health and the environment and satisfies the RAOs described in Section 1.3 of this report which were taken from Section 6.5 of the ROD, Summary of the Remediation Objectives.

1.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) are detailed in the Record of Decision (ROD) dated March 2014. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

1.4.1 Groundwater RAOs

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.

1.4.2 Soil Vapor RAOs

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for soil vapor intrusion into buildings at a site.

1.5 Site Closure Criteria

Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document.

The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

1.5.1 Sub-Slab Depressurization System (SSDS)

As stated in Section 4.3.4 of the SMP, the active SSD system will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicates that the SSD system is no longer required, a request to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

Operation of the SSD system will be terminated when the following are demonstrated in accordance with Indoor Air Matrix 2 of the NYSDOH's 2006 Guidance document:

- Indoor air concentrations of PCE in the Laundromat is less than 3 ug/m3; and,
- Sub-slab vapor concentration of PCE below the Laundromat is less than 100 ug/m3.

This shall be demonstrated during the winter heating season, to represent the worst-case scenario, and after the SSD system has been turned off for a period of 30 days.

1.6 Deviations from the Remedial Action Work Plan

No changes to the remedial design were reported.

2.0 EVALUATE REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Presently, an annual evaluation is completed at the site to document the operation and effectiveness of the SSDS. At a minimum, a site-wide inspection will be conducted annually.

The SSDS System is in operation at the Subject property. The objective of the SSDS is to remove any vapors from under the slab which assists in safeguarding the occupants from potentially harmful vapors.

On January 22, 2021, the SSDS was shut down and the vent on the roof was covered so that SVI sampling could be completed in approximately 60 days (see Photo in Appendix D) . On March 30, 2021, Sub-slab, indoor air, and outdoor ambient samples were collected over an 8-hour period to determine if the SSDS could be shut down as per the SMP requirements.

The Site-wide inspection was conducted on March 30, 2021 by Karen Tyll, P.E. Viktor Padilla, from Galaxy Management, provided access to the laundromat and roof for the Site-wide inspection. The surrounding interior areas and surrounding parking lots were also inspected.

No additional inspections were conducted during this reporting period as there were no events that warranted inspections or emergency inspections. The Site-wide Inspection form is enclosed as Appendix A. Select photographs of the Site during the inspection are also enclosed within Appendix A.

The Engineering Controls have been and are continuing to be effective at reducing the contamination at the Site and meeting the Remedial Action Objectives for both groundwater and soil vapor.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

3.1 Engineering Controls

Engineering controls (ECs) at the Site consist of a sub-slab depressurization system. Assurance of the ECs developed for the Site will be achieved using a combination of site inspections, monitoring, and annual certifications. The engineering controls were inspected and evaluated on March 30, 2021 by Karen Tyll.

Initially, a Soil Vapor Extraction (SVE) was installed comprised of four vents connected to four vertical ducts connected to a regenerative blower, moisture knock-out drum and carbon units on the roof. In January 2013, the former SVE system was converted, with the NYSDEC's approval, to an active SSD system due to the reduction of the PCE concentrations detected in extracted soil vapor. The SSDS consists of a 6- inch diameter Fantech Model HP 220 vapor abatement fan that was mounted on top of the existing riser on the roof and the SVE system equipment was removed. The new SSDS system also included a vacuum gauge that has a visual alarm that illuminates a red light if the fan fails to operate located in the office of the Laundromat next to a sign that includes the phone number to call if the light turns on.

Procedures for monitoring, operating and maintaining the SSDS were provided in the Operation and Maintenance Plan in Section 4 of the Site Management Plan (SMP). The Monitoring Plan also addressed inspection procedures that must occur after any severe weather conditions that may affect the ECs.

3.2 Institutional Controls

Institutional Controls include an environmental easement on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to commercial uses only.

The environmental easement for the site was executed by the Department on April 10, 2015, and filed with the Nassau County Nassau Clerk on May 6, 2015. The County Recording Identifier number for this filing is RE 017516 with a Control Number of 420. A copy of the easement and proof of filing was provided in Appendix B of the Site Management Plan (not attached).

3.3 Status of Controls

At the time of this PRR, the Engineering controls in the form of the SSDS is operating as designed and the Institutional Control in the form of the environmental easement was obtained on May 6, 2015.

3.3.1 Corrective Measures

There are no known deficiencies of the Engineering Controls or Institutional Controls at this time and as a result, no corrective measures are warranted.

3.6 IC/EC Certification

The annual certification for the Site consists of a completed NYSDEC IC/EC Certification Form. The completed IC/EC Certification Forms were signed on April 27, 2021 and are enclosed as Appendix B. The annual certification was prepared in accordance with the SMP and has been signed by the Owner, Elks Plaza, LLC and Karen Tyll, P.E., a professional engineer licensed to practice in New York State, as the Qualified Environmental Professional.

4.0 MONITORING PLAN COMPLIANCE REPORT

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site and all affected site media identified below. The Monitoring Plan may only be revised with the approval of NYSDEC.

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly ambient groundwater standards and Part 375 SCOs for soil;
- Assessing achievement of the remedial performance criteria.
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary reports for the various monitoring activities.

To adequately address these issues, this Monitoring Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Annual monitoring of the performance of the remedy and overall reduction in contamination on-site and off-site will be conducted for the first five years. The frequency thereafter will be determined by NYSDEC. Trends in contaminant levels in air, soil, and/or groundwater in the affected

areas, will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. Monitoring programs are summarized in tabulation below:

Matrix	Frequency	Analysis	Compliance Date
Groundwater (MW-1, 2, & 3)	Annual	VOCs	February 15, 2018
Soil Vapor and Indoor Air (2 sub-slab and 2 indoor air)	TBD	VOC (TO-15 over 8 hours)	March 30, 2021
Soil	Once	TCL VOCs, SVOCs, PCBs, Pesticides, and TAL Metals	June 4, 2015
SSDS Operation Conditions	Annual during Site Wide Inspection	none	March 30, 2021

4.1 Summary of Sub-slab and Indoor Air Sampling During the Reporting Period

On January 26, 2021, TEC submitted a SSDS Shutdown Workplan to the NYSDEC and NYSDOH. On February 12, 2021, the workplan was approved.

On March 30, 2021, TEC collected sub-slab, indoor and ambient air samples from and around the 2 on-site vapor monitoring points. Results of the soil air sampling event indicated there was no detected PCE in the outdoor air sample (<0.136 ug/m3), the Unit 179A indoor air sample was 0.285 ug/m^3, and the Unit 181A indoor air sample was 0.312 ug/m^3.PCE was detected in the sub-slab sample in laundromat Unit 179A at a concentration of 12.8 ug/m^3 and was not detected in the laundromat Unit 181A sub-slab vapor sample (<11.6 ug/m3).

The Letter report was submitted to NYSDEC at the same time this PRR was submitted.

Comparisons of Sub-Slab Soil Vapor Data

Table 2 illustrates the comparison of soil vapor sampling data from 2020 to 2021.

The results (in µg/$m^{3)}$ for PERC for these two sampling events were:

Location	1/15/2020	3/30/2021
OA	0.441	<0.136
179A IA	0.373	0.285
179A SSV	<0.136	12.8
181A IA	0.427	0.312
181A SSV	922	<11.6

5.0 OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

5.1 Sub-Slab Depressurization System

The Fantec fan installed on the SSDS does not require any maintenance. It has no filters and does not require lubrication. If the fan should fail to work in the future, it should be replaced by an electrician with a similar make and model fan.

5.2 SSD System Monitoring Schedule

Based on the manufacturer's literature, there are no maintenance requirements for the SSD fan. The system includes a vacuum gauge with a visual low vacuum alarm. If the fan fails to operate, a red light in the office of the Laundromat will illuminate. A sign with the phone number to call for service is posted next to the vacuum gauge and alarm.

The vacuum gauge, fan and duct work will be inspected on an annual basis to coincide with the soil vapor and groundwater monitoring.

Inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSD system has been reported or an emergency occurs that is deemed likely to affect the operation of the system.

5.3 SSD System General Equipment Monitoring

A visual inspection of the complete system will be conducted during each monitoring event. SSD system components to be monitored include, but are not limited to, the vacuum gauge/alarm, fan and duct work If any equipment readings are not within their typical range, any equipment is observed to be malfunctioning, or the system is not performing within specifications, maintenance and repair are required immediately, and the SSD system restarted.

5.4 SSD System Operation and Maintenance Deficiencies

Due to the nature of the SSDS fan as discussed above, there are no deficiencies in the O&M of the system.

5.4 SSD System Conclusions and Recommended Improvements

We believe that O&M is being conducted correctly and no improvements need to be made to the current SSD System.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the requirements of the SMP and the approved Shutdown workplan, the SSDS was shut down for 67 days and the sub-slab vapor and indoor air samples were taken during the heating season. The results of the sub-slab vapor and indoor air sampling event on March 30, 2021 indicated that the indoor concentrations of PCE were less than 3 $\mu g/m^3$ and the sub-slab vapor concentrations of PERC were less than 100 $\mu g/m^3$. We believe that the operation of the SSD system should be discontinued.

Figures

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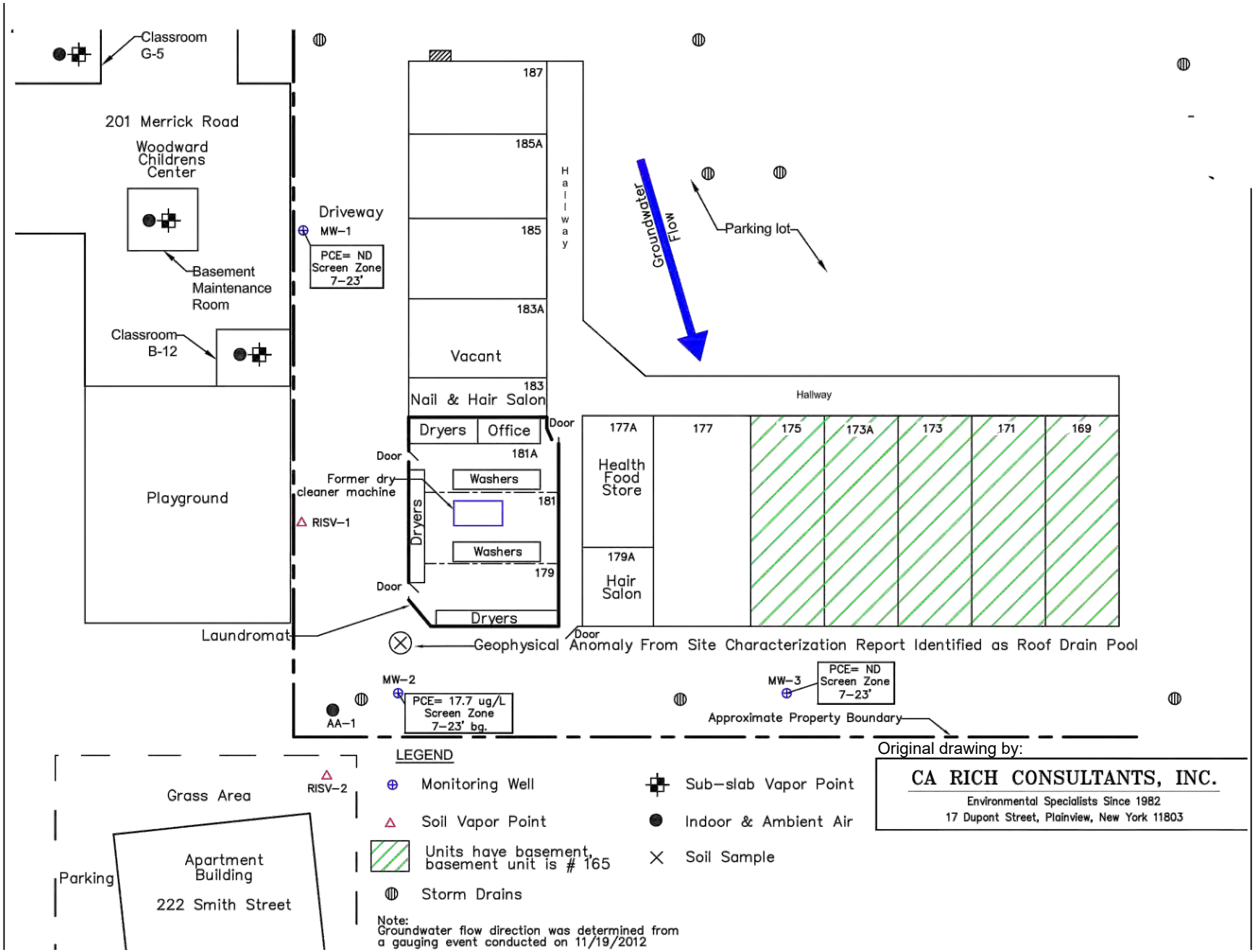
TITLE:

SITE LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	5-10-18	ELK1801
CHKD:	APPD:	REV.:	NOTES:
KT	KT	-	-

FIGURE NO.: 1



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17 Dupont Street, Plainview, New York 11803

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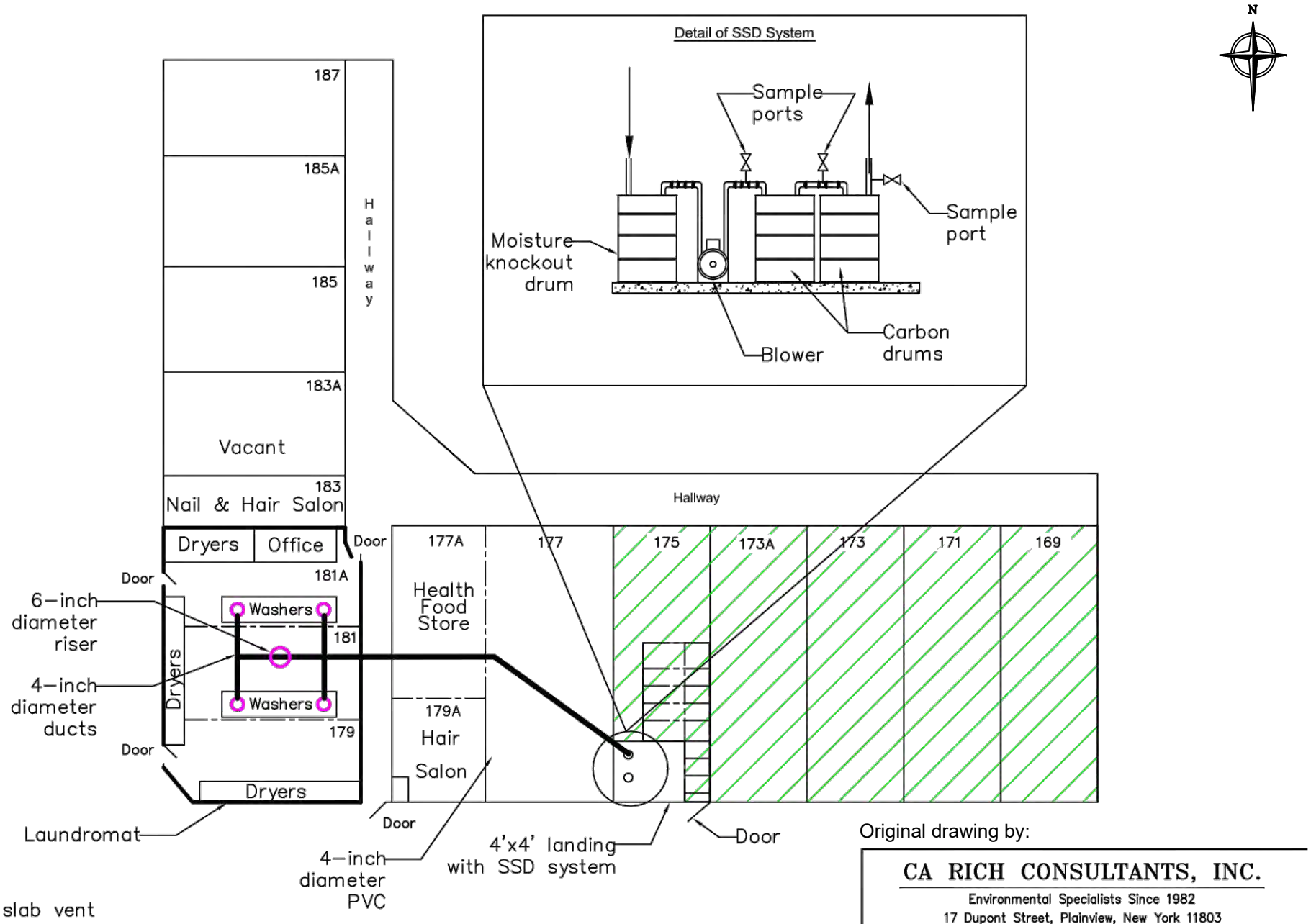
TITLE:

SITE PLAN

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	5-10-18	ELK1801
CHECKED:	APPROVED:	REVISION:	NOTES:
KT	KT	-	-

FIGURE NO.: 2



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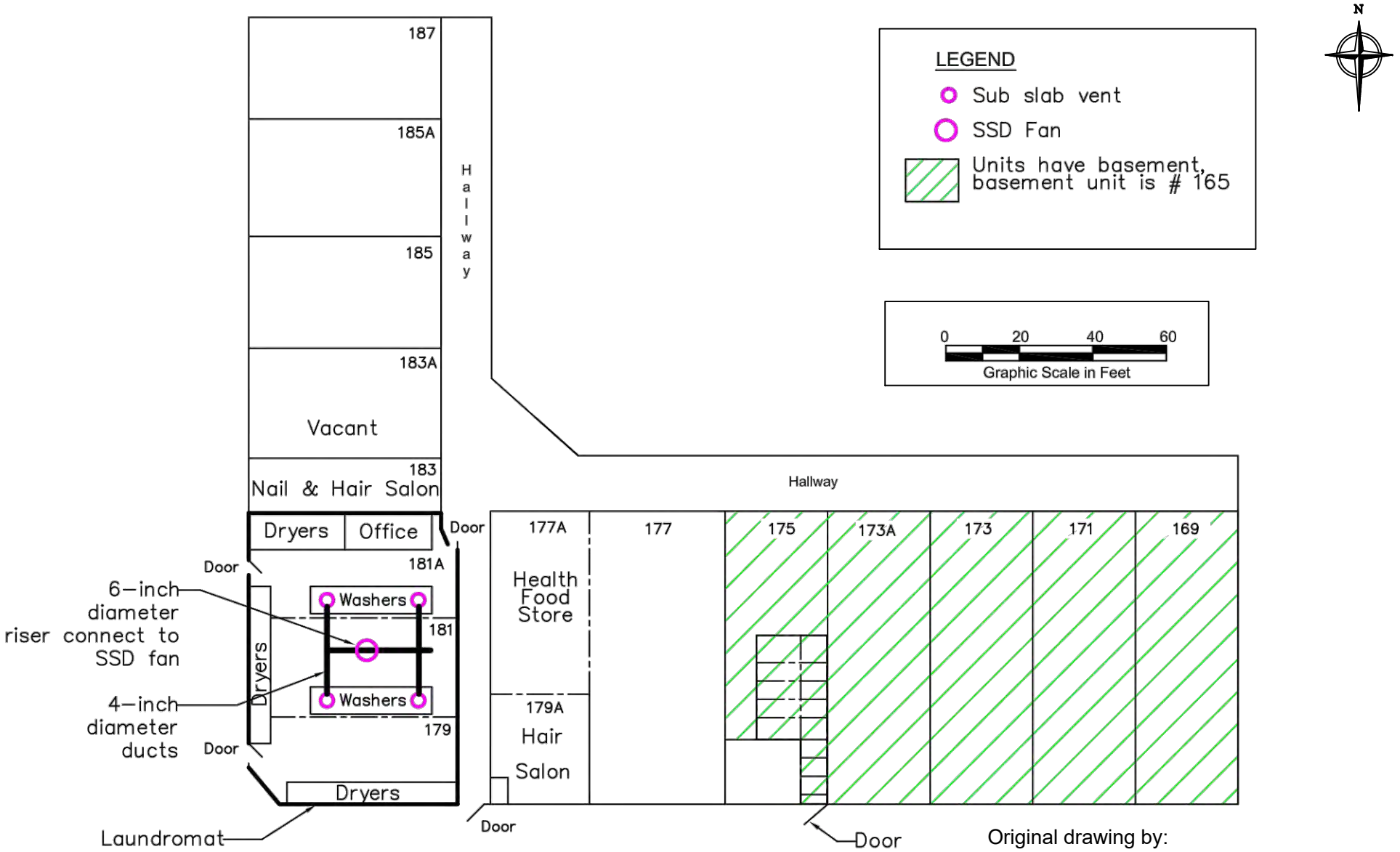
TITLE:

SVE LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	5-10-18	ELK1801
CHECKED:	APPROVED:	REVISION:	NOTES:
KT	KT	-	-

FIGURE NO.: 3



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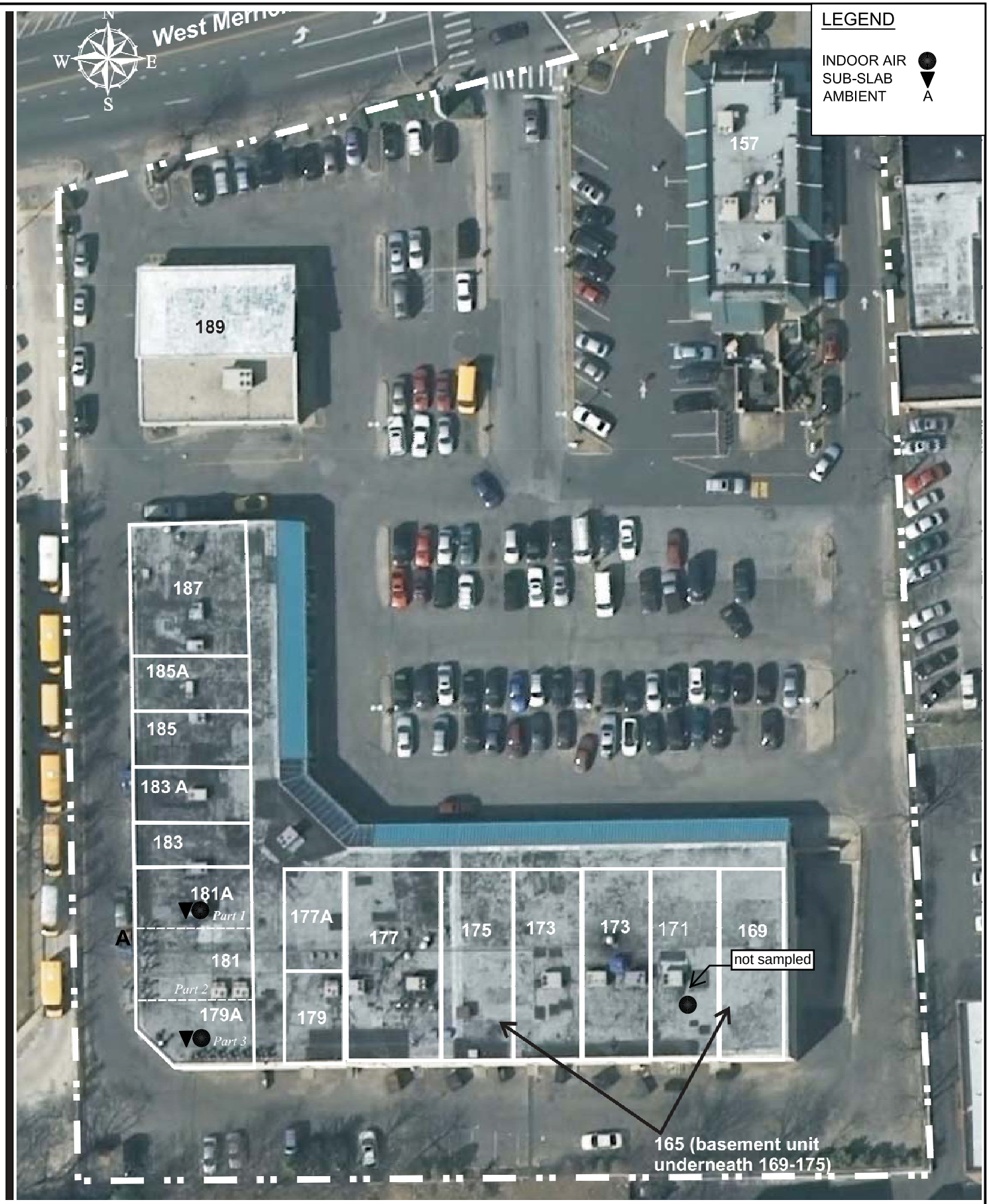
TITLE:

SSDS LOCATION MAP

ELKS PLAZA, LLC
157-189 W. MERRICK ROAD
FREEPORT, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	5-10-18	ELK1801
CHECKED:	APPROVED:	REVISION:	NOTES:
KT	KT	-	-

FIGURE NO.: 4



PREPARED BY:	TITLE:				
TYLL ENGINEERING & CONSULTING PC 169 Commack Road, Suite H173, Commack, NY 11725 PHONE: (631) 629-5373 Info@tyllengineering.com	**SVI SAMPLE MAP** ELKS PLAZA FREEPORT, NY	DWN: -	SCALE: NTS	DATE: 2-4-2002	PROJECT NO.: ELK1901
		CHKD: KT	APPD: KT	REV.: -	NOTES: -
		FIGURE NO.: 5			

Tables

Table 1
Elks Plaza, Freeport, NY
Volatile Organic Compounds in Air
by EPA Method TO-15

Analyte	Sample: / Date: / Units:	OA 3/30/2021	179A IA 3/30/2021	181A IA 3/30/2021	179A SSV 3/30/2021	181A SSV 3/30/2021
1,1,1-Trichloroethane	ug/m3	<0.109	<0.109	<0.109	<1.09	<9.33
1,1,2,2-Tetrachloroethane	ug/m3	<1.37	<1.37	<1.37	<1.37	<117.
1,1,2-Trichloroethane	ug/m3	<0.809	<0.809	<0.809	<0.809	<69.2
1,1-Dichloroethane	ug/m3	<0.079	<0.079	<0.079	<0.793	<67.8
1,1-Dichloroethene	ug/m3	<1.09	<1.09	<1.09	<1.09	<9.33
1,2,4-Trichlorobenzene	ug/m3	<1.54	<1.54	<1.54	<1.54	<131.
1,2,4-Trimethylbenzene	ug/m3	<1.20	<1.20	<1.20	<1.20	<103.
1,2-Dibromoethane	ug/m3	<0.809	<0.809	<0.809	<0.809	<69.2
1,2-Dichlorobenzene	ug/m3	<0.924	<0.924	<0.924	<0.924	<79.0
1,2-Dichloroethane	ug/m3	<1.48	<1.48	<1.48	<1.48	<127.
1,2-Dichloropropane	ug/m3	<0.983	<0.983	<0.983	23.7	<84.1
1,3,5-Trimethylbenzene	ug/m3	<0.442	<0.442	<0.442	<0.442	<37.8
1,3-Butadiene	ug/m3	<1.20	<1.20	<1.20	<1.20	<103.
1,3-Dichlorobenzene	ug/m3	<0.983	<0.983	<0.983	6.39	<84.1
1,4-Dichlorobenzene	ug/m3	<1.20	<1.20	<1.20	<1.20	<103.
1,4-Dioxane	ug/m3	<0.721	<0.721	<0.721	<0.721	<61.6
2,2,4-Trimethylpentane	ug/m3	<1.47	<1.47	<1.47	20.5	321
2-Butanone	ug/m3	<0.820	<0.820	<0.820	<0.820	<70.1
2-Hexanone	ug/m3	<0.934	0.958	1.19	1.96	<79.9
3-Chloropropene	ug/m3	<0.626	<0.626	<0.626	<0.626	<53.5
4-Ethyltoluene	ug/m3	<0.983	<0.983	<0.983	6.69	<84.1
4-Methyl-2-pentanone	ug/m3	<2.05	<2.05	<2.05	<2.05	<175.
Acetone	ug/m3	5.72	85.3	155	47.7	6600
Benzene	ug/m3	<0.639	1.72	2	4.82	<54.6
Benzyl chloride	ug/m3	<1.04	<1.04	<1.04	<1.04	<88.5
Bromodichloromethane	ug/m3	<1.34	<1.34	<1.34	<1.34	<115.
Bromoform	ug/m3	<2.07	<2.07	<2.07	<2.07	<177.
Bromomethane	ug/m3	<0.777	<0.777	<0.777	<0.777	<66.4
Carbon disulfide	ug/m3	<0.623	<0.623	<0.623	<0.623	<53.3
Carbon tetrachloride	ug/m3	0.39	0.925	1.05	<1.26	<10.8
Chlorobenzene	ug/m3	<0.921	<0.921	<0.921	<0.921	<78.8
Chloroethane	ug/m3	<0.528	<0.528	<0.528	<0.528	<45.1
Chloroform	ug/m3	<0.977	6.98	7.57	3.75	<83.5
Chloromethane	ug/m3	1.17	5.66	11.1	2.75	<35.3
cis-1,2-Dichloroethene	ug/m3	<0.079	<0.079	<0.079	<0.793	<6.78
cis-1,3-Dichloropropene	ug/m3	<0.908	<0.908	<0.908	<0.908	<77.6
Cyclohexane	ug/m3	<0.688	<0.688	<0.688	1.88	647
Dibromochloromethane	ug/m3	<1.70	<1.70	<1.70	<1.70	<146.
Dichlorodifluoromethane	ug/m3	2.02	2.09	2.12	2.04	<84.6
Ethanol	ug/m3	15.1	556	742	121	<805

Table 1
Elks Plaza, Freeport, NY
Volatile Organic Compounds in Air
by EPA Method TO-15

Analyte	Sample: / Date: / Units:	OA 3/30/2021	179A IA 3/30/2021	181A IA 3/30/2021	179A SSV 3/30/2021	181A SSV 3/30/2021
Ethyl Acetate	ug/m3	<1.80	6.27	9.77	<1.80	<154.
Ethylbenzene	ug/m3	<0.869	<0.869	<0.869	15	<74.3
Freon-113	ug/m3	<1.53	<1.53	<1.53	<1.53	<131.
Freon-114	ug/m3	<1.40	<1.40	<1.40	<1.40	<120.
Heptane	ug/m3	<0.820	1.08	1.33	7.13	<70.1
Hexachlorobutadiene	ug/m3	<2.13	<2.13	<2.13	<2.13	<182.
Isopropanol	ug/m3	<1.23	84.6	141	21.2	114
Methyl tert butyl ether	ug/m3	<0.721	<0.721	<0.721	<0.721	<61.7
Methylene chloride	ug/m3	<1.74	<1.74	<1.74	10.9	<148
n-Hexane	ug/m3	<0.705	1.67	2.03	6.94	<60.3
o-Xylene	ug/m3	<0.869	<0.869	<0.869	20.4	<74.3
p/m-Xylene	ug/m3	<1.74	<1.74	<1.74	61.2	<148.
Styrene	ug/m3	<0.852	<0.852	<0.852	1.61	<72.8
Tertiary butyl Alcohol	ug/m3	<1.52	<1.52	<1.52	2.58	870
Tetrachloroethene	ug/m3	<0.136	0.285	0.312	12.8	<11.6
Tetrahydrofuran	ug/m3	<1.47	<1.47	<1.47	<1.47	<126.
Toluene	ug/m3	<0.754	5.99	6.63	59.5	19800
trans-1,2-Dichloroethene	ug/m3	<0.793	<0.793	<0.793	0.797	<67.8
trans-1,3-Dichloropropene	ug/m3	<0.908	<0.908	<0.908	<0.908	<77.6
Trichloroethene	ug/m3	<0.107	<0.107	<0.107	<1.07	<9.19
Trichlorofluoromethane	ug/m3	<1.12	1.75	2.06	2.3	<96.1
Vinyl bromide	ug/m3	<0.874	<0.874	<0.874	<0.874	<74.8
Vinyl chloride	ug/m3	<0.051	<0.051	<0.051	<0.511	<4.37

Table 2 - Comparison
Elks Plaza, Freeport, NY
Volatile Organic Compounds in Air
by EPA Method TO-15

	Sample:	OA		179A IA		181A IA		179A SSV		181A SSV		171 IA
	Date:	1/15/2020	3/30/2021	1/15/2020	3/30/2021	1/15/2020	3/30/2021	1/15/2020	3/30/2021	1/15/2020	3/30/2021	1/15/2020
Analyte	Units:											
1,1,1-Trichloroethane	ug/m3	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<1.09	<1.09	<2.18	<9.33	<0.109
1,1,2,2-Tetrachloroethane	ug/m3	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<2.75	<117.	<1.37
1,1,2-Trichloroethane	ug/m3	<1.09	<0.809	<1.09	<0.809	<1.09	<0.809	<1.09	<0.809	<2.18	<69.2	<1.09
1,1-Dichloroethane	ug/m3	<0.809	<0.079	<0.809	<0.079	<0.809	<0.079	<0.809	<0.793	<1.62	<67.8	<0.809
1,1-Dichloroethene	ug/m3	<0.079	<1.09	<0.079	<1.09	<0.079	<1.09	<0.793	<1.09	<1.59	<9.33	<0.079
1,2,4-Trichlorobenzene	ug/m3	<1.48	<1.54	<1.48	<1.54	<1.48	<1.54	<1.48	<1.54	<2.97	<131.	<1.48
1,2,4-Trimethylbenzene	ug/m3	<0.983	<1.20	1.21	<1.20	1.37	<1.20	3.3	<1.20	24.1	<103.	1.2
1,2-Dibromoethane	ug/m3	<1.54	<0.809	<1.54	<0.809	<1.54	<0.809	<1.54	<0.809	<3.07	<69.2	<1.54
1,2-Dichlorobenzene	ug/m3	<1.20	<0.924	<1.20	<0.924	<1.20	<0.924	<1.20	<0.924	<2.40	<79.0	<1.20
1,2-Dichloroethane	ug/m3	<0.809	<1.48	<0.809	<1.48	<0.809	<1.48	<0.809	<1.48	<1.62	<127.	<0.809
1,2-Dichloropropane	ug/m3	<0.924	<0.983	<0.924	<0.983	<0.924	<0.983	<0.924	23.7	<1.85	<84.1	<0.924
1,3,5-Trimethylbenzene	ug/m3	<0.983	<0.442	<0.983	<0.442	<0.983	<0.442	<0.983	<0.442	6.54	<37.8	<0.983
1,3-Butadiene	ug/m3	<0.442	<1.20	<0.442	<1.20	<0.442	<1.20	<0.442	<1.20	1.38	<103.	<0.442
1,3-Dichlorobenzene	ug/m3	<1.20	<0.983	<1.20	<0.983	<1.20	<0.983	<1.20	6.39	<2.40	<84.1	<1.20
1,4-Dichlorobenzene	ug/m3	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<2.40	<103.	<1.20
1,4-Dioxane	ug/m3	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<1.44	<61.6	<0.721
2,2,4-Trimethylpentane	ug/m3	<0.934	<1.47	<0.934	<1.47	<0.934	<1.47	1.44	20.5	<1.87	321	<0.934
2-Butanone	ug/m3	1.51	<0.820	<1.47	<0.820	1.52	<0.820	3.63	<0.820	6.81	<70.1	<1.47
2-Hexanone	ug/m3	<0.820	<0.934	<0.820	0.958	<0.820	1.19	<0.820	1.96	<1.64	<79.9	<0.820
3-Chloropropene	ug/m3	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<1.25	<53.5	<0.626
4-Ethyltoluene	ug/m3	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	6.69	4.65	<84.1	<0.983
4-Methyl-2-pentanone	ug/m3	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<2.05	<4.10	<175.	<2.05
Acetone	ug/m3	16	5.72	88.1	85.3	105	155	116	47.7	137	6600	49.4
Benzene	ug/m3	0.757	<0.639	2.15	1.72	2.12	2	2.66	4.82	3.55	<54.6	1.5
Benzyl chloride	ug/m3	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<2.07	<88.5	<1.04
Bromodichloromethane	ug/m3	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<2.68	<115.	<1.34
Bromoform	ug/m3	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<4.14	<177.	<2.07
Bromomethane	ug/m3	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<1.55	<66.4	<0.777
Carbon disulfide	ug/m3	<0.623	<0.623	<0.623	<0.623	<0.623	<0.623	<0.623	<0.623	1.83	<53.3	<0.623
Carbon tetrachloride	ug/m3	0.384	0.39	0.484	0.925	0.434	1.05	<1.26	<1.26	<2.52	<10.8	0.421
Chlorobenzene	ug/m3	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<1.84	<78.8	<0.921
Chloroethane	ug/m3	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<1.06	<45.1	<0.528
Chloroform	ug/m3	<0.977	<0.977	1.5	6.98	1.63	7.57	3.28	3.75	2.58	<83.5	<0.977
Chloromethane	ug/m3	1.07	1.17	1.33	5.66	1.25	11.1	1.35	2.75	<0.826	<35.3	1.06
cis-1,2-Dichloroethene	ug/m3	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.793	<0.793	<1.59	<6.78	<0.079
cis-1,3-Dichloropropene	ug/m3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.82	<77.6	<0.908
Cyclohexane	ug/m3	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	1.22	1.88	3.44	647	<0.688
Dibromochloromethane	ug/m3	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<3.41	<146.	<1.70
Dichlorodifluoromethane	ug/m3	2.12	2.02	2.34	2.09	2.25	2.12	2.42	2.04	2.45	<84.6	2.34
Ethanol	ug/m3	25.1	15.1	535	556	686	742	452	121	124	<805	626
Ethyl Acetate	ug/m3	<1.80	<1.80	5.51	6.27	6.96	9.77	4.29	<1.80	<3.60	<154.	7.1
Ethylbenzene	ug/m3	<0.869	<0.869	<0.869	<0.869	<0.869	<0.869	1.33	15	10	<74.3	<0.869
Freon-113	ug/m3	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<3.07	<131.	<1.53
Freon-114	ug/m3	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<2.80	<120.	<1.40
Heptane	ug/m3	<0.820	<0.820	<0.820	1.08	0.947	1.33	1.91	7.13	5.98	<70.1	<0.820
Hexachlorobutadiene	ug/m3	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<2.13	<4.27	<182.	<2.13
Isopropanol	ug/m3	1.54	<1.23	88.5	84.6	104	141	71.8	21.2	11.4	114	65.9
Methyl tert butyl ether	ug/m3	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<1.44	<61.7	<0.721
Methylene chloride	ug/m3	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	10.9	<3.47	<148	<1.74
n-Hexane	ug/m3	<0.705	<0.705	1.13	1.67	1.15	2.03	3.15	6.94	6.91	<60.3	1.02
o-Xylene	ug/m3	<0.869	<0.869	<0.869	<0.869	<0.869	<0.869	2.06	20.4	17.9	<74.3	<0.869
p/m-Xylene	ug/m3	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	4.78	61.2	41.6	<148.	<1.74
Styrene	ug/m3	<0.852	<0.852	<0.852	<0.852	<0.852	<0.852	<0.852	1.61	<1.70	<72.8	<0.852
Tertiary butyl Alcohol	ug/m3	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	2.58	<3.03	870	<1.52
Tetrachloroethene	ug/m3	0.441	<0.136	0.373	0.285	0.427	0.312	<1.36	12.8	922	<11.6	0.319
Tetrahydrofuran	ug/m3	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<1.47	<2.95	<126.	<1.47
Toluene	ug/m3	1.44	<0.754	3.19	5.99	3.75	6.63	6.07	59.5	23.1	19800	3.21
trans-1,2-Dichloroethene	ug/m3	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	0.797	<1.59	<67.8	<0.793
trans-1,3-Dichloropropene	ug/m3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.82	<77.6	<0.908
Trichloroethene	ug/m3	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<1.07	<1.07	3.47	<9.19	<0.107
Trichlorofluoromethane	ug/m3	<1.12	<1.12	2.46	1.75	2.73	2.06	2.35	2.3	4.74	<96.1	2.39
Vinyl bromide	ug/m3	<0.874	<0.874	<0.874	<0.874	<0.874	<0.874	<0.874	<0.874	<1.75	<74.8	<0.874
Vinyl chloride	ug/m3	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.511	<0.511	<1.02	<4.37	<0.051

Appendix A

Site-wide Inspection Form

Annual Site-wide Inspection Form

Elks Plaza, Freeport, New York

Date: 03/30/21 Time: 9:50 AM

Weather: Partly Sunny 35-58ºF

Reason for Inspection: ☐ Routine ☑ other Annual Site-wide Inspection and Certification

---

Inspection Observations

Check one of the following: **Y:** Yes **N:** No **NA:** Not Applicable

		y	N	NA	Remarks
	Records				
1	Based on site records, when was the last inspection, maintenance, or repair event?				4/24/18
2	Based on site records, was the system not operating for any amount of time since the last inspection, maintenance, or repair event? For how long? Provide details.	X			The system was turned off from Friday January 22, 2021 and was turned back on March 31, 2021 for sampling.
3	Has the site use changed to a type of use higher than the current commercial use (as allowed in environmental easement)?		X		
	General System				
5	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the concrete floor slab?		X		
6	Are there any cracks in the concrete slab or concrete basement walls?		X		
7	If YES to number 6, is there documentation that the Soil Management Plan (SMP), HASP, and CAMP for the site was/is being followed?			N/A	
8	If YES to number 6, is there documentation that all breaches in the floor slab have been sealed?			N/A	
9	Does all visible SSDS piping appear intact and undamaged?	X			
10	Have any intake points been constructed at the roof near (less than 10 feet) the SSDS blower discharge point?		X		

11	Was the one SSDS blower operational at the time of the inspection?	X			
12	Is the SSDS System expelling Air from the exhaust on the roof of the building?	X			
13	Is there dust and debris from the area surrounding the blowers on the roof.		X		Roof was very clean.

Performed by: Karen G. Tyll, PE _____

Printed Name | Signature

Professional Engineer | Tyll Engineering and Consulting, PC

Title | Company

Appendix B

Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 130193

Site Name Elks Plaza

Site Address: 189 W. MERRICK ROAD Zip Code: 11520
City/Town: Freeport
County: Nassau
Site Acreage: 0.220
Reporting Period: ~~April 01, 2018~~ March 2, 2018 to April 01, 2021

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Residential, Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 130193 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
62-114-131	George Tsillogianis	Ground Water Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

Monitoring of the groundwater and Soil vapor intrusion at the property next door shall be in accordance with the SMP.

Operation, Maintenance, and Monitoring of the SSDS shall be in accordance with the SMP.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
62-114-131	Vapor Mitigation

There is a sub-slab depressurization system in place at the site.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 130193

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I George Tsillogianis (print name) at c/o Galaxy Management Inc. 28 Campbell Drive, Dix Hills, NY (print business address),

am certifying as Member of Elks Plaza, LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

4/27/21
Date

EC CERTIFICATIONS

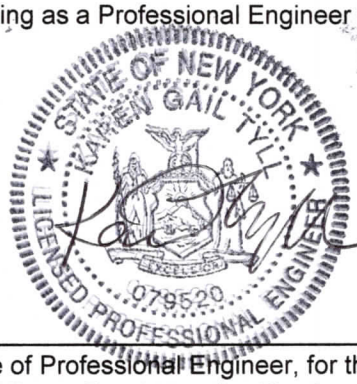
Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Karen Tyll (print name) at Tyll Engineering and Consulting, PC (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		4/28/21

Appendix C

Alpha Analytical - Laboratory Data Summary Package, April 12, 2021

ANALYTICAL REPORT

Lab Number:	L2115928
Client:	Tyll Engineering and Consulting PC 169 Commack Road Suite H173 Commack, NY 11725
ATTN:	Karen Tyll
Phone:	(631) 664-6477
Project Name:	ELKS PLAZA
Project Number:	Not Specified
Report Date:	04/12/21

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

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

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2115928-01	181A IA	AIR	FREEPORT, NY	03/30/21 15:45	03/30/21
L2115928-02	181A SSV	SOIL_VAPOR	FREEPORT, NY	03/30/21 16:00	03/30/21
L2115928-03	179A IA	AIR	FREEPORT, NY	03/30/21 16:08	03/30/21
L2115928-04	179A SSV	SOIL_VAPOR	FREEPORT, NY	03/30/21 16:22	03/30/21
L2115928-05	OA	AIR	FREEPORT, NY	03/30/21 16:04	03/30/21

Project Name:	ELKS PLAZA	**Lab Number:**	L2115928
Project Number:	Not Specified	**Report Date:**	04/12/21

Case Narrative

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

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

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

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

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

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

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 29, 2021. The canister certification results are provided as an addendum.

L2115928-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 04/12/21

AIR

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-01
Client ID: 181A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 15:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/09/21 20:47
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--		1
Chloromethane	5.38	0.200	--	11.1	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	394	5.00	--	742	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	65.2	1.00	--	155	2.38	--		1
Trichlorofluoromethane	0.367	0.200	--	2.06	1.12	--		1
Isopropanol	57.4	0.500	--	141	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	2.71	0.500	--	9.77	1.80	--		1
Chloroform	1.55	0.200	--	7.57	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-01
Client ID: 181A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 15:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.576	0.200	--	2.03	0.705	--		1
Benzene	0.625	0.200	--	2.00	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.255	0.200	--	1.19	0.934	--		1
Heptane	0.325	0.200	--	1.33	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.76	0.200	--	6.63	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-01
Client ID: 181A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 15:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-01
Client ID: 181A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 15:45
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/09/21 20:47
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.167	0.020	--	1.05	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.046	0.020	--	0.312	0.136	--		1

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

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-02 D
Client ID: 181A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/09/21 23:22
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	17.1	--	ND	84.6	--		85.32
Chloromethane	ND	17.1	--	ND	35.3	--		85.32
Freon-114	ND	17.1	--	ND	120	--		85.32
Vinyl chloride	ND	17.1	--	ND	43.7	--		85.32
1,3-Butadiene	ND	17.1	--	ND	37.8	--		85.32
Bromomethane	ND	17.1	--	ND	66.4	--		85.32
Chloroethane	ND	17.1	--	ND	45.1	--		85.32
Ethanol	ND	427	--	ND	805	--		85.32
Vinyl bromide	ND	17.1	--	ND	74.8	--		85.32
Acetone	2780	85.3	--	6600	203	--		85.32
Trichlorofluoromethane	ND	17.1	--	ND	96.1	--		85.32
Isopropanol	46.2	42.7	--	114	105	--		85.32
1,1-Dichloroethene	ND	17.1	--	ND	67.8	--		85.32
Tertiary butyl Alcohol	287	42.7	--	870	129	--		85.32
Methylene chloride	ND	42.7	--	ND	148	--		85.32
3-Chloropropene	ND	17.1	--	ND	53.5	--		85.32
Carbon disulfide	ND	17.1	--	ND	53.3	--		85.32
Freon-113	ND	17.1	--	ND	131	--		85.32
trans-1,2-Dichloroethene	ND	17.1	--	ND	67.8	--		85.32
1,1-Dichloroethane	ND	17.1	--	ND	69.2	--		85.32
Methyl tert butyl ether	ND	17.1	--	ND	61.7	--		85.32
2-Butanone	109	42.7	--	321	126	--		85.32
cis-1,2-Dichloroethene	ND	17.1	--	ND	67.8	--		85.32

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-02 D
Client ID: 181A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	42.7	--	ND	154	--		85.32
Chloroform	ND	17.1	--	ND	83.5	--		85.32
Tetrahydrofuran	ND	42.7	--	ND	126	--		85.32
1,2-Dichloroethane	ND	17.1	--	ND	69.2	--		85.32
n-Hexane	ND	17.1	--	ND	60.3	--		85.32
1,1,1-Trichloroethane	ND	17.1	--	ND	93.3	--		85.32
Benzene	ND	17.1	--	ND	54.6	--		85.32
Carbon tetrachloride	ND	17.1	--	ND	108	--		85.32
Cyclohexane	188	17.1	--	647	58.9	--		85.32
1,2-Dichloropropane	ND	17.1	--	ND	79.0	--		85.32
Bromodichloromethane	ND	17.1	--	ND	115	--		85.32
1,4-Dioxane	ND	17.1	--	ND	61.6	--		85.32
Trichloroethene	ND	17.1	--	ND	91.9	--		85.32
2,2,4-Trimethylpentane	ND	17.1	--	ND	79.9	--		85.32
Heptane	ND	17.1	--	ND	70.1	--		85.32
cis-1,3-Dichloropropene	ND	17.1	--	ND	77.6	--		85.32
4-Methyl-2-pentanone	ND	42.7	--	ND	175	--		85.32
trans-1,3-Dichloropropene	ND	17.1	--	ND	77.6	--		85.32
1,1,2-Trichloroethane	ND	17.1	--	ND	93.3	--		85.32
Toluene	5250	17.1	--	19800	64.4	--		85.32
2-Hexanone	ND	17.1	--	ND	70.1	--		85.32
Dibromochloromethane	ND	17.1	--	ND	146	--		85.32
1,2-Dibromoethane	ND	17.1	--	ND	131	--		85.32
Tetrachloroethene	ND	17.1	--	ND	116	--		85.32
Chlorobenzene	ND	17.1	--	ND	78.8	--		85.32
Ethylbenzene	ND	17.1	--	ND	74.3	--		85.32

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-02 D
Client ID: 181A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:00
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	34.1	--	ND	148	--		85.32
Bromoform	ND	17.1	--	ND	177	--		85.32
Styrene	ND	17.1	--	ND	72.8	--		85.32
1,1,2,2-Tetrachloroethane	ND	17.1	--	ND	117	--		85.32
o-Xylene	ND	17.1	--	ND	74.3	--		85.32
4-Ethyltoluene	ND	17.1	--	ND	84.1	--		85.32
1,3,5-Trimethylbenzene	ND	17.1	--	ND	84.1	--		85.32
1,2,4-Trimethylbenzene	ND	17.1	--	ND	84.1	--		85.32
Benzyl chloride	ND	17.1	--	ND	88.5	--		85.32
1,3-Dichlorobenzene	ND	17.1	--	ND	103	--		85.32
1,4-Dichlorobenzene	ND	17.1	--	ND	103	--		85.32
1,2-Dichlorobenzene	ND	17.1	--	ND	103	--		85.32
1,2,4-Trichlorobenzene	ND	17.1	--	ND	127	--		85.32
Hexachlorobutadiene	ND	17.1	--	ND	182	--		85.32

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-03
Client ID: 179A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:08
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/09/21 21:27
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.422	0.200	--	2.09	0.989	--		1
Chloromethane	2.74	0.200	--	5.66	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	295	5.00	--	556	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	35.9	1.00	--	85.3	2.38	--		1
Trichlorofluoromethane	0.311	0.200	--	1.75	1.12	--		1
Isopropanol	34.4	0.500	--	84.6	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.74	0.500	--	6.27	1.80	--		1
Chloroform	1.43	0.200	--	6.98	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-03
Client ID: 179A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:08
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.473	0.200	--	1.67	0.705	--		1
Benzene	0.538	0.200	--	1.72	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.205	0.200	--	0.958	0.934	--		1
Heptane	0.263	0.200	--	1.08	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.59	0.200	--	5.99	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-03
Client ID: 179A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:08
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-03
Client ID: 179A IA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:08
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/09/21 21:27
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.147	0.020	--	0.925	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.042	0.020	--	0.285	0.136	--		1

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

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-04
Client ID: 179A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:22
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/09/21 22:46
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.413	0.200	--	2.04	0.989	--		1
Chloromethane	1.33	0.200	--	2.75	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	64.3	5.00	--	121	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.1	1.00	--	47.7	2.38	--		1
Trichlorofluoromethane	0.410	0.200	--	2.30	1.12	--		1
Isopropanol	8.63	0.500	--	21.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.850	0.500	--	2.58	1.52	--		1
Methylene chloride	3.14	0.500	--	10.9	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.201	0.200	--	0.797	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	6.94	0.500	--	20.5	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-04
Client ID: 179A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:22
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.768	0.200	--	3.75	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.97	0.200	--	6.94	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.51	0.200	--	4.82	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.546	0.200	--	1.88	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.419	0.200	--	1.96	0.934	--		1
Heptane	1.74	0.200	--	7.13	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	15.8	0.200	--	59.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.89	0.200	--	12.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.45	0.200	--	15.0	0.869	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-04
Client ID: 179A SSV
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:22
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	14.1	0.400	--	61.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.379	0.200	--	1.61	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	4.69	0.200	--	20.4	0.869	--		1
4-Ethyltoluene	1.36	0.200	--	6.69	0.983	--		1
1,3,5-Trimethylbenzene	1.30	0.200	--	6.39	0.983	--		1
1,2,4-Trimethylbenzene	4.83	0.200	--	23.7	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-05
Client ID: OA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:04
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/09/21 16:50
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.409	0.200	--	2.02	0.989	--		1
Chloromethane	0.567	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.04	5.00	--	15.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.41	1.00	--	5.72	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-05
Client ID: OA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:04
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-05
Client ID: OA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:04
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

SAMPLE RESULTS

Lab ID: L2115928-05
Client ID: OA
Sample Location: FREEPORT, NY

Date Collected: 03/30/21 16:04
Date Received: 03/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/09/21 16:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified
Lab Number: L2115928
Report Date: 04/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/09/21 15:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1484512-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified
Lab Number: L2115928
Report Date: 04/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/09/21 15:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1484512-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified
Lab Number: L2115928
Report Date: 04/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/09/21 15:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1484512-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: ELKS PLAZA
Project Number: Not Specified
Lab Number: L2115928
Report Date: 04/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/09/21 15:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03,05 Batch: WG1484513-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1484512-3								
Dichlorodifluoromethane	97		-		70-130	-		
Chloromethane	104		-		70-130	-		
Freon-114	99		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	103		-		70-130	-		
Chloroethane	94		-		70-130	-		
Ethanol	94		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	80		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	86		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	109		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	101		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
2-Butanone	102		-		70-130	-		
cis-1,2-Dichloroethene	103		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1484512-3								
Ethyl Acetate	100		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	98		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	99		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	102		-		70-130	-		
Trichloroethene	99		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	91		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	104		-		70-130	-		
2-Hexanone	111		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	105		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1484512-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	109		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	108		-		70-130	-		
1,1,2,2-Tetrachloroethane	116		-		70-130	-		
o-Xylene	110		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	111		-		70-130	-		
Benzyl chloride	113		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1484513-3								
Vinyl chloride	98		-		70-130	-		25
1,1-Dichloroethene	101		-		70-130	-		25
cis-1,2-Dichloroethene	104		-		70-130	-		25
1,1,1-Trichloroethane	95		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
Trichloroethene	98		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1484512-5 QC Sample: L2115928-03 Client ID: 179A IA						
Dichlorodifluoromethane	0.422	0.419	ppbV	1		25
Chloromethane	2.74	2.76	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	295	294	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	35.9	37.0	ppbV	3		25
Trichlorofluoromethane	0.311	0.316	ppbV	2		25
Isopropanol	34.4	34.4	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	1.74	1.64	ppbV	6		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1484512-5 QC Sample: L2115928-03 Client ID: 179A IA						
Chloroform	1.43	1.46	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.473	0.473	ppbV	0		25
Benzene	0.538	0.523	ppbV	3		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	0.205	ND	ppbV	NC		25
Heptane	0.263	0.246	ppbV	7		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.59	1.54	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1484512-5 QC Sample: L2115928-03 Client ID: 179A IA						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1484513-5 QC Sample: L2115928-03 Client ID: 179A IA						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.147	0.147	ppbV	0		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.042	0.039	ppbV	7		25

Project Name: ELKS PLAZA

Lab Number: L2115928

Project Number:

Report Date: 04/12/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2115928-01	181A IA	01791	Flow 4	03/29/21	346431		-	-	-	Pass	10.0	9.5	5
L2115928-01	181A IA	780	6.0L Can	03/29/21	346431	L2114594-04	Pass	-29.1	-5.6	-	-	-	-
L2115928-02	181A SSV	0779	Flow 4	03/29/21	346431		-	-	-	Pass	10.0	10.1	1
L2115928-02	181A SSV	1557	6.0L Can	03/29/21	346431	L2114594-04	Pass	-29.1	-4.7	-	-	-	-
L2115928-03	179A IA	01530	Flow 4	03/29/21	346431		-	-	-	Pass	10.0	10.1	1
L2115928-03	179A IA	2486	6.0L Can	03/29/21	346431	L2114594-04	Pass	-29.2	-5.2	-	-	-	-
L2115928-04	179A SSV	01629	Flow 4	03/29/21	346431		-	-	-	Pass	10.0	10.2	2
L2115928-04	179A SSV	2055	6.0L Can	03/29/21	346431	L2114594-04	Pass	-29.1	-4.7	-	-	-	-
L2115928-05	OA	0695	Flow 4	03/29/21	346431		-	-	-	Pass	10.0	9.9	1
L2115928-05	OA	3052	6.0L Can	03/29/21	346431	L2114594-04	Pass	-29.1	-4.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/24/21 19:46
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/24/21 19:46
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2114594
Report Date: 04/12/21

Air Canister Certification Results

Lab ID: L2114594-04
Client ID: CAN 1531 SHELF 52
Sample Location:

Date Collected: 03/23/21 16:00
Date Received: 03/24/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	83		60-140

Project Name: ELKS PLAZA
Project Number: Not Specified

Lab Number: L2115928
Report Date: 04/12/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2115928-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2115928-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2115928-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2115928-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2115928-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	ELKS PLAZA	**Lab Number:**	L2115928
Project Number:	Not Specified	**Report Date:**	04/12/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	ELKS PLAZA	**Lab Number:**	L2115928
Project Number:	Not Specified	**Report Date:**	04/12/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	ELKS PLAZA	**Lab Number:**	L2115928
Project Number:	Not Specified	**Report Date:**	04/12/21

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/31/21

ALPHA Job #: L2115928

Client Information

Client: Tyll Engineering and Consulting
Address: 469 Commack Rd, Suite H173
Commack, NY 11725
Phone: 631 664 6477
Fax: ——
Email: Karen@tyllengineering.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Elks Plaza
Project Location: Freeport NY
Project #:
Project Manager: K. Tyll
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☒ Additional Deliverables: CAT B, EQUIS
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Need CAT B deliverable, excel, + EQUIS files

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
15928-01	181A IA	3/30/21	0744	345pm	-30.89	-6.56	AA	KT	6L	780	01791	X					
-02	181A SSV	3/30/21	0800	400pm	-30.48	-6.08	SV	KT	6L	1557	0779	X					
-03	179A IA	3/30/21	0808	408pm	-31.04	-6.45	AA	KT	6L	2486	01530	X					
-04	179A SSV	3/30/21	0822	422pm	-30.70	-5.98	SV	KT	6L	2055	01629	X					
-05	OA	3/30/21	0804	404pm	-30.68	-5.04	AA	KT	6L	3052	0695	X					

*SAMPLE MATRIX CODES

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

Container Type

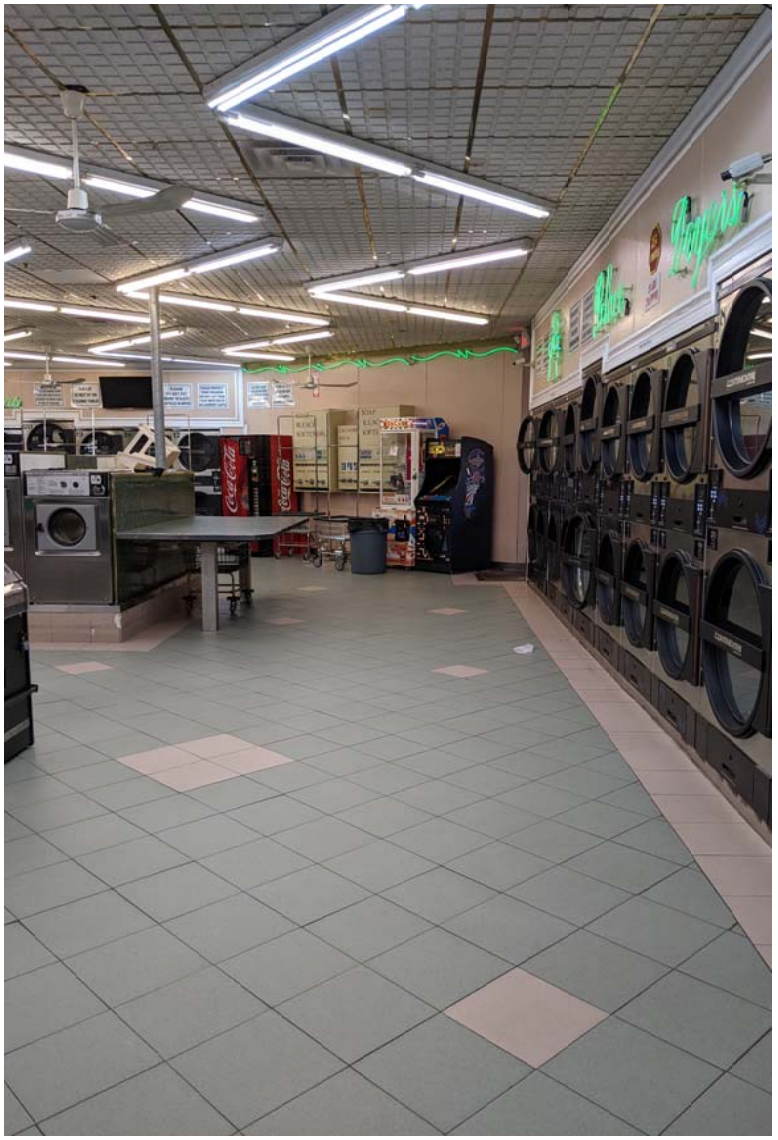
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	3/30/21 1400		3/30/21 1400
	3/30/21 2030		3/31/21 0830
	3/31 0830		

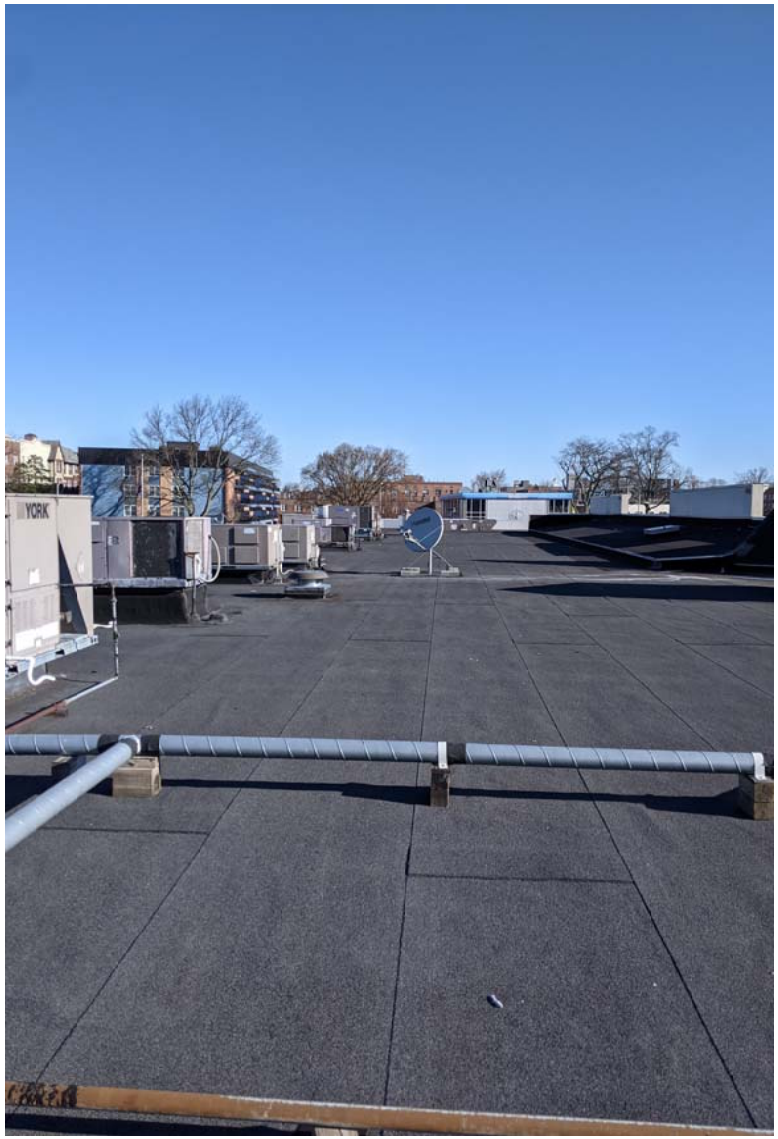
Form No: 101-02 Rev (25-Sep-15)

Appendix D

Site Photos


Coca-Cola
Coca-Cola


NOTICE
PLEASE


YORK


YORK


JAMAICA
ASH

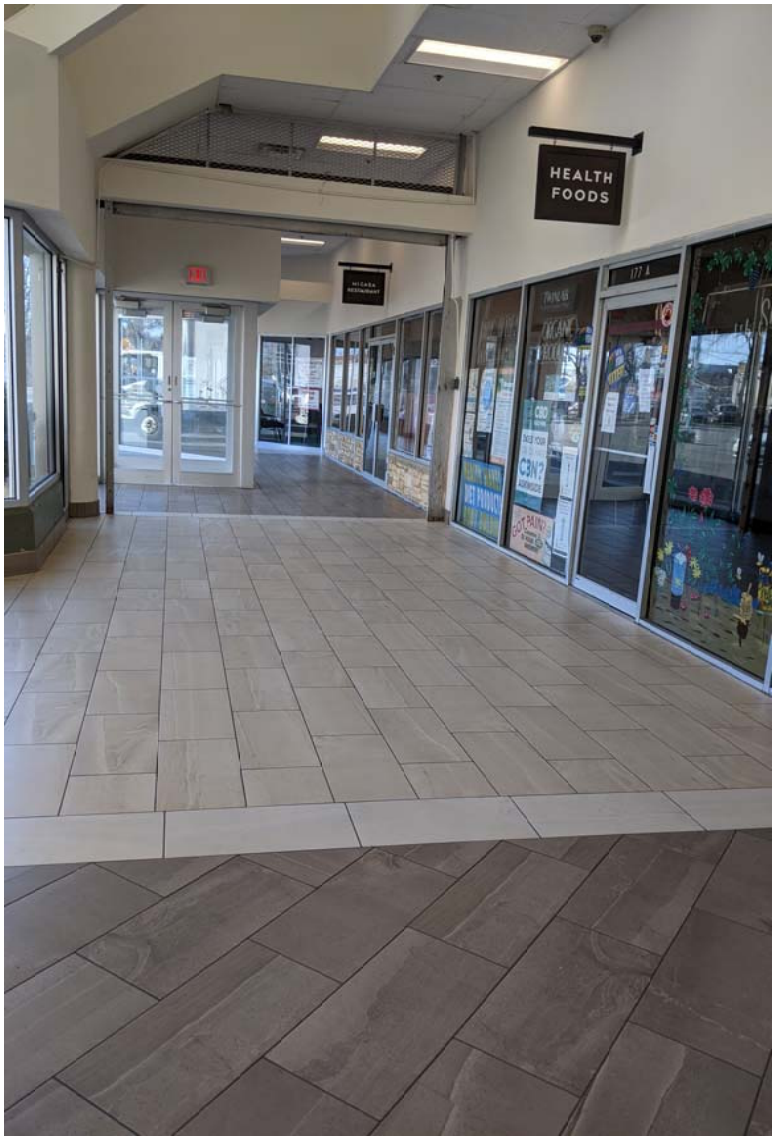

CAUTION


Wines & Liquor
BEAUTY


LAUNDRY
PLACE
6AM - 12AM
ATM


EYE
WORLD
OPTICAL
EXIT


ATM


HEALTH
FOODS


HEALTH


HEALTH
FOODS


Nails