

G.W. Lisk Facility
2 SOUTH STREET, VILLAGE OF CLIFTON SPRINGS,
ONTARIO COUNTY, NEW YORK

Final Soil Vapor Intrusion
Interim Remedial Measure
Construction Completion Report

NYSDEC Site Number: C835026

Prepared for:

G.W. Lisk Company, Inc.
2 South Street,
Village of Clifton Springs
Ontario County, New York

Prepared by:

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AUGUST 2020

CERTIFICATIONS

I, Stephen A. Mirabello, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Revised Soil Vapor Intrusion Interim Remedial Measure Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Work Plan.

I certify that all data and documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all information and statements in this certification form 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, Stephen A. Mirabello, of ERM Consulting & Engineering, Inc., am certifying as Owner's Designated Site Representative.



7-30-2020

A handwritten signature in blue ink that reads "Stephen A. Mirabello".

NYS Professional Engineer #

Date

Signature

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LIST OF ACRONYMS

Acronym	Definition
AOPC	Area of Potential Concern
AGI	Amplified Geochemical Imaging, LLC
BCP	Brownfield Cleanup Program
CCR	Construction Completion Report
CVOC	Chlorinated Volatile Organic Compound
DCE	Dichloroethene
DER	Division of Environmental Remediation
ERM	ERM Consulting & Engineering, Inc.
G.W. Lisk	G.W. Lisk Company, Inc.
HASP	Health and Safety Plan
HVAC	Heating, Ventilation, and Air Conditioning
IRM	Interim Remedial Measure
ISMP	Interim Site Management Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
PCE	Tetrachloroethene
QAPP	Quality Assurance Project Plan
SC	Site Characterization
Site	G.W. Lisk facility located at 2 South Street in the Village of Clifton Springs in Ontario County, New York
SVI	Soil Vapor Intrusion
TCA	Trichloroethane
TCE	Trichloroethene
VOC	Volatile Organic Compound
WP	Work Plan
µg/m ³	Micrograms per cubic meter

FINAL SOIL VAPOR INTRUSION INTERIM REMEDIAL MEASURE CONSTRUCTION COMPLETION REPORT

1.0 SITE DESCRIPTION AND BACKGROUND

G.W. Lisk Company, Inc. (G.W. Lisk) operates manufacturing facilities located at 2 South Street in the south-central portion of the Village of Clifton Springs in Ontario County, New York (the Site). The location of the Site is shown in Figure 1-1. The parcel currently contains approximately 26.654 acres, and the Brownfield Cleanup Program (BCP) Site boundary contains approximately 8.828 acres. The Site is located within a mixed industrial, commercial, and residential use area. The Site was originally developed in the mid-1800s for agricultural use. The G.W. Lisk facility is privately owned and has been operating since 1910. The facility originally operated as a manufacturer of tin cake pans, pails, and spraying devices from 1910 until the late 1940s. The facility began solenoid manufacturing operations in 1948 and continues to operate as a manufacturer of solenoids and valves for industrial and commercial markets.

After originally consisting of a single chicken coop, the facility currently occupies approximately 225,000 square feet of building space. There are two main clusters of attached buildings where facility operations occur. One is referred to as the Main Buildings, and the other is referred to as the Hundreds Buildings. Paved parking areas are located on the central, southern, and eastern portions of the Site. Paved driveways and shipping areas are also located throughout the Site. The western and southern portions of the Site are primarily wooded.

The Site and other properties in the area obtain potable water from the Village of Clifton Springs Water Department. Public or private potable water supply wells

have not been identified within a 0.25-mile radius from the Site. Two non-potable water supply wells are present at the Site. Water from these two wells is reportedly used to supply a water fountain located at the Clifton Springs Hospital and Clinic property immediately north of the Site.

ERM Consulting & Engineering, Inc. (ERM) prepared a Site Characterization (SC) Work Plan for G.W. Lisk (ERM 2016) that identified several areas of potential concern (AOPCs) at the Site. AOPCs that are potentially relevant to this Soil Vapor Intrusion (SVI) Interim Remedial Measure (IRM) are summarized below.

- AOPC-4: Former Outfall 011—Plating and solvent wastes were historically discharged for a period of time to a former septic tank at this location. The septic tank was constructed of concrete and had an associated leach field. The location and design/construction of the leach field is unknown. The septic tank was removed in 1982 during building expansion activities.
- AOPC-5: Former Outfall 012—Plating and solvent wastes were historically discharged for a period of time to a former septic tank at this location. The septic tank was constructed of concrete and had an associated leach field. The location and design/construction of the leach field is unknown. The septic tank was removed in 1987 during building expansion activities.
- AOPC-8: Former Trichloroethene (TCE) Degreaser with Sump—A former degreaser that utilized TCE was located in this area. The TCE was stored in a former nearby aboveground storage tank designated B4CT1. According to historical information review, no spills or leaks were associated with this degreaser. However, a sump that penetrates the thickness of the floor in this area is present at this location, which may have provided a conduit for the release of TCE vapors or liquids to the subsurface.

At the request of the New York State Department of Environmental Conservation (NYSDEC), G.W. Lisk entered into an Order on Consent and Administrative Settlement with NYSDEC dated 27 May 2015 (Index Number R8-0852-15-04) to perform an SC of environmental media at the Site. G.W. Lisk submitted an application to NYSDEC for entry into the BCP. The application was released for public review and comment on 21 November 2018. The Site was subsequently accepted by NYSDEC into the BCP on 23 January 2019 and is currently identified as NYSDEC BCP Site Number C835026.

2.0 SUMMARY OF INTERIM REMEDIAL MEASURES

2.0.1 Site Characterization Soil Vapor – Sub-slab and Indoor Air Sampling

In May 2016, ERM conducted passive soil vapor sampling on an approximate 100-foot sampling grid, supplemented by additional soil vapor points. These data were used as a screening technique to identify the presence of potential source areas for volatile organic compounds (VOCs). Amplified Geochemical Imaging, LLC of Newark, Delaware (AGI) provided passive soil vapor samplers that were installed in each borehole using insertion rods, and the borehole backfilled with glass beads or coarse sand. The boreholes were sealed near the surface using a cork or a hydrated bentonite seal. The passive samplers were left in the boreholes for 7 to 10 days and then collected. The samplers were transported to AGI for VOC analysis by thermal desorption/gas chromatography/mass selective detection following United States Environmental Protection Agency Method 8260C quality assurance/quality control procedures as appropriate.

In May 2017, ERM performed SVI sampling at the Site. SVI sampling points were installed using an electric hammer drill through the concrete slab. Stainless steel Cox Colvin Vapor Pins™ were installed and sampled using 6-liter Summa

canisters with 24-hour flow controllers. Permanent sample locations were installed, with flush stainless steel covers affixed to each Vapor Pins™ location. As shown in Table 2-1 and Figure 1-2, five VOCs, including trichloroethene (TCE), 1,1-dichloroethene (DCE), cis-1,2-DCE, 1,1,1-trichloroethane (TCA), and tetrachloroethene (PCE), were detected in one or more locations at concentrations above selected action levels in the NYSDOH's SVI guidance document (NYSDOH 2006). Soil vapor TCE concentrations ranged from non-detected to 90,300 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 1,1,1-TCA in soil vapor ranged from non-detect to 11,000 $\mu\text{g}/\text{m}^3$. The highest concentrations of TCE and 1,1,1-TCA were detected in sub-slab samples. There were also detections of TCE in indoor air samples ranging from 0.12 to 7.42 $\mu\text{g}/\text{m}^3$.

Following approval of the May 2018 SVI IRM Work Plan (ERM 2018a), ERM performed SVI sampling at the Site in August 2018. The SC Report (ERM 2018b) describes the field efforts and associated analytical results for environmental media samples. The results of the August 2018 sampling were presented to NYSDEC and the New York State Department of Health (NYSDOH) at a meeting on 6 September 2018. As agreed during the meeting, ERM performed additional SVI sampling at the Site in October 2018 to further define the area proposed for mitigation. Results for all pre-design characterization samples are provided in Tables 4-1 and 4-2.

Following the completion of the co-located SVI sampling, a supplemental building chemical inventory was completed. Additional chemicals used as part of regular manufacturing procedures were identified during visits for SC borings and well installations, structural inspections, and through conversations with Site operations personnel.

The 2017, 2018, and 2019 building chemical inventories are provided in Appendix A. The VOCs methylene chloride and 1,2-DCE were confirmed as

components of one or more industrial products that were currently being used within the facility as a part of routine production operations.

2.1 Remedial Action Objectives

The objective of the SVI IRM is to reduce the potential for SVI into the Main Buildings via mitigation of VOCs that are present in sub-slab soil vapor at the Site. The effectiveness of the IRM will be evaluated by a comparative analysis of facility indoor air samples and current production chemicals used for facility manufacturing operations. Comparison methods for when a chemical is present in both sub-slab and facility operations are detailed later in this report in Section 5.0.4. Where chemicals are not utilized in facility manufacturing, the indoor air sample will be compared to NYSDOH decision matrices. The selected proposed work plan IRMs were designed to achieve the following Remedial Action Objectives:

Soil

Prevent inhalation exposure to contaminants volatilizing from soil

Soil Vapor

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

The following steps were proposed to facilitate attainment of Remedial Action Objectives.

- Reduce/remove VOC products, modify air flow, and update Standard Operating Procedures by:
 - o Sealing potential openings in the walls and floors of chemical storage spaces;

- o Checking isolated ventilation systems for respective chemical storage rooms;
 - o Increasing air flow throughout facility; and
 - o Replacing original products with products with no or lower VOC content.
- Seal preferential pathways for sub-slab vapor intrusion, including:
 - o Floor cracks, perimeter gaps, and slab penetrations filled with low-VOC RadonAway® Radon Pro Hybrid Sealant.
- Further monitor:
 - o Vapor monitoring points installed with flush steel covers to allow uninterrupted work; and
 - o Annual sub-slab and indoor air sample monitoring after completion of the IRM.
- Develop institutional controls/site management plan, including:
 - o Internal procedures prohibiting the penetration of the slab in areas indicated in the Final IRM Work Plan; and
 - o Procedures to minimize the potential for soil vapor intrusion if penetration cannot be avoided.

2.2 Description of Selected Remedy

G.W. Lisk and ERM developed a strategy for implementing various actions and remedial measures to mitigate the potential for soil vapor intrusion, and obtained approved from NYSDOH and NYSDEC to implement these strategies. These

strategies included increasing ventilation and airflow throughout the facility; completing a detailed chemical inventory and substituting products containing target chlorinated volatile organic compounds (CVOC) with alternative products, if possible based on manufacturing product quality assurance and quality control needs; identifying and sealing facility floor slab cracks, joints, wall joints, and penetrations with an approved sealant; and resampling for confirmation.

3.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

3.1 Pre-design Characterization

ERM completed sub-slab soil vapor and indoor air samples during the SC effort in May of 2017. Additional AOPCs were identified, and a supplemental sampling effort was undertaken in August of 2018. These samples were used as the basis to determine which areas of the building were most likely to be impacted by SVI due to sub-slab soil vapor CVOC concentrations and to inform any potential IRM undertaken. G.W. Lisk, ERM, NYSDEC, and NYSDOH met on 6 September 2018 to present and discuss the results. At this meeting, it was proposed that mitigation would be performed in Buildings 4C, 7B, and the Vacuum Furnace Room (i.e., the location of AOPC-05). Additionally, it was agreed that further indoor air sampling would be helpful to evaluate a potential need for mitigation at locations Building 4A and Building 4D. Further sub-slab sampling was also to be performed at two locations, specifically Building 4M and Building 5. Data from the sub-slab and indoor air from these events are shown Figure 3-1A and 3-1B respectively.

On 7 September 2018, ERM conducted a Site walk with potential mitigation contractors at the Site, and supplemental pre-design sub-slab and indoor air samples were collected in October 2018.

3.2 HVAC Evaluation

G.W. Lisk proactively assessed the heating ventilation and air condition (HVAC) system throughout the facility to mitigate CVOC concentrations that were identified during site assessments. Initially, G.W. Lisk reinforced the vapor controls in chemical storage areas to isolate storage spaces from the rest of the facility. These measures included sealing potential openings in the walls and doors of the flammable storage room and overall in the chemical storage room. G.W. Lisk confirmed the ventilation systems for these two rooms are isolated, discharge directly into the atmosphere, and are not shared with other buildings.

Additionally, the air flow rate through the facility was approximately doubled according to G.W. Lisk operations. This is an industry general best management practice, which serves to remove vapors from the work space that are generated in the manufacturing process and replace them with uncontaminated ambient air.

3.3 Chemical Inventory and Product Substitution

Alternate products with no or lower VOC content were sought and implemented as practicable and appropriate for the manufacturing processes. G.W. Lisk's Standard Operating Procedures were modified to restrict the use of products containing VOCs of potential concern. Existing inventory of these products were removed from the facility based on facility production and operational needs. Suitable substitute products for 3M Novec Flux Remover and Techspray G3 Flux Remover were unable to be obtained due to a specific need for these products in the production process that was ineffective when using available alternatives. However, G.W. Lisk is preferentially using flux removers with lower VOC content, and in an effort to minimize volatilization of CVOCs found in the flux remover, G.W. Lisk has implemented liquid application rather than an aerosol spray in their operations.

3.4 Crack and Void Sealing

G.W. Lisk personnel and ERM's professional engineer completed a preferential pathway inspection on 2 November 2017. In general, the facility has either a bare concrete floor with multi-layered epoxy coating, both with and without a textured grip surface. Cracks were observable in the bare concrete floor in several buildings. There were several instances of saw cuts or openings in the floor from past facility improvements or modifications to move and/or stage manufacturing equipment. Several penetrations in the floor to accommodate sub-surface access pits or utility sumps were also observed.

Perimeter gaps were sealed with RadonAway® Radon Pro Hybrid Sealant up to the floor grade. The edge of the wall was also coated with the same product to provide continuous coverage from the floor to at least 3 inches up the wall. Gaps at mechanical equipment were sealed similar to perimeter gaps. Utility pits open to the subsurface soil were sealed RadonAway® Radon Pro Hybrid Sealant product. All sealing was performed in accordance with manufacturer's recommendations and was overseen by ERM.

As of June 2020, a total of the following floor cracks and wall joints were filled (approximately) as follows:

- 313 linear feet in Building 4A.
- 258 linear feet in Building 6.
- 129 linear feet in Building 6A.
- 80 linear feet in Building 7.
- 25 linear feet in Building 7A.
- 511 linear feet in Building 7B.

- 303 linear feet in the Vacuum Furnace Room.
- An estimated 160 linear feet were sealed in Buildings 6, 6A, 7A, and 7B in July 2019 after additional cracks and gaps were identified.

Additionally, G.W. Lisk hired an outside contractor, Clingerman Painting, to apply a sealant to the sump of an elevator shaft near sample location Bldg-7B-2 as shown in Figure 3-2 and Table 4-3. On 25 January 2020, G.W. Lisk's contractor sealed the sump of the Building 7B elevator shaft with UGL DRYLOK™ sealant. Approximately 4.5 gallons were applied to the approximately 735 square feet, comprising the walls and floor of the elevator shaft sump to floor level, and allowed to dry for approximately 3 hours between coats. The drying time, application thickness, and rate were all in accordance with the manufacturer's recommendations.

3.5 Floor Penetration Sealing

Floor penetrations and cuts were sealed concurrently with cracks and voids to mitigate potential vapor migration and was compatible with the existing floor coating using the same RadonAway® Radon Pro Hybrid Sealant. Floor penetrations often exist where machinery had been bolted in place, or for utility access. In Building 7, a floor penetration was made to allow space for filters on a machine that is necessary to operations. G.W. Lisk fabricated a steel airtight basin that was then attached to the floor, and RadonAway® Radon Pro Hybrid Sealant was applied to the seam with the floor. Similarly, all sealing was performed in accordance with manufacturer's recommendations and was overseen by ERM.

3.6 Post-Mitigation Sampling

Co-located post-mitigation indoor air and sub-slab soil vapor sampling occurred on 20 March 2019. The results are presented in Table 4-4 and Figure 3-3 and

indicate TCE in indoor air at a concentration greater than 2 µg/m³ at locations VI-04, IA-Bldg-7B-1, and IA-Bldg-7B-2. In response, G.W. Lisk made additional efforts to identify any potential sources of CVOCs to indoor air, increased air flow via HVAC system, and authorized an additional sampling round of indoor air in these three locations in August 2019 with additional chemical inventory. Results are presented in Table 4-5 and Figure 4-2 TCE concentrations in indoor air remained greater than 2 µg/m³ at locations VI-04, IA-Bldg-7B-1, and IA-Bldg-7B-2.

Subsequently, G.W. Lisk made additional efforts through additional sealing of the potential pathways in the elevator shaft and flux remover product sampling to evaluate potentially unidentified sources of CVOCs to indoor air. A third round of sampling at these three locations was completed in February 2020 with an additional chemical inventory. Results are presented in Table 4-6, Table 4-7 and Figure 4-3. TCE concentrations in indoor air remained greater than 2 µg/m³ at locations VI-04, IA-Bldg-7B-1, and IA-Bldg-7B-2.

3.7 Waste Management

Waste generated during the SVI IRM fieldwork can be classified as general construction debris, such as concrete dust, and sampling supplies, such as tubing and zip ties. All waste was managed with G.W. Lisk's municipal waste stream.

4.0 GOVERNING DOCUMENTS

4.0.1 The SVI IRM Work Plan

The SVI IRM Work Plan (ERM 2019) outlines the work and procedures necessary and approved by NYSDEC and NYSDOH. The work plan was approved on 14 February 2019. All work was completed in accordance with the SVI IRM Work Plan, and any modifications are memorialized in correspondence with NYSDEC. Copies of these correspondence with NYSDEC are provided in Appendix B.

4.0.2 Site Specific Health and Safety Plan

All work was performed in accordance with the Site-specific Health and Safety Plan (HASP) provided as Appendix A of the IRM Work Plan (WP). All remedial work performed under these IRMs were in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA) standards.

4.0.3 Quality Assurance Project Plan

The Quality Assurance Project Plan (QAPP) was included as Appendix B of the IRM WP approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities, and quality assurance/quality control activities designed to achieve the project data quality objectives.

4.1 Remedial Program Elements

4.1.1 Contractors and Consultants

The consultant and contractors who performed work to complete the IRM were:

- ERM (consultant);
- Keystone Material Testing, LLC (contractor); and
- Clingerman Painting (contractor).

4.1.2 Site Preparation and Mobilization

Pre-construction activity notification was provided to the NYSDEC on 25 February 2019. Agency approval was subsequently provided in an email later the same day as the notification. Documentation of agency approvals required by the IRM WP is included in Appendix B. Site mobilization began on 4 March 2019. A kick-off meeting was held prior to commencement of the Site work with the

contractors to review the HASP and included G.W. Lisk personnel to review Site-specific procedures. ERM's subcontractor cleaned and sealed floor penetrations, cracks, joints, and wall boundaries on 4–6 March 2019. The linear footage and location of sealing activities are described in Section 3.4. Following the mitigation activities, the first round of post-mitigation sampling was completed on 20 March 2019. A description of locations for floor penetration sealing is provided in Section 3.5.

4.1.3 General Site Controls

Site access is controlled by limiting access to the facility. All doors into the facility are locked and a clearance badge is required to open any door into the facility with the exception of the front door, which provides access to the reception area only. All workers and contractors must obtain a badge to gain access to any portion of the facility. Employees work only in designated areas, and access is closely monitored.

4.1.4 Project Recordkeeping and Reporting

All air sampling information, questionnaires, and building inventories are included in Appendix A. All data has been loaded into an electronic data deliverable for submission to NYSDEC's Electronic Information Management System website. Additionally, all laboratory reports are included in Appendix C. Select photographs taken by ERM personnel have been loaded into photologs and included in Appendix D to assist in visualization of site work and conditions.

5.0 POST-MITIGATION SAMPLING

Sampling, including collection of sub-slab vapor, co-located indoor air, and outdoor ambient air samples was performed in March 2019. Preliminary, non-validated laboratory analytical results for SVI IRM post-mitigation samples were returned in May 2019. G.W. Lisk increased fresh air inflow into Buildings 7A and

7B based on the preliminary laboratory analytical results. They also performed additional inspection and sealing of selected joints between the floor and wall on both sides of the wall between Buildings 7A and 7B. In June 2019, inspection and mitigation via sealing was performed in the Building 7B elevator shaft. Based on the results of the site inspection performed on 25 June 2019, additional inspection and mitigation via sealing was performed in portions of Buildings 6, 6A, and 7A on 02 July 2019.

5.0.1 First Round Vapor Sampling

Following the implementation of mitigation measures described, sub-slab vapor and indoor air samples were collected at 12 locations at the Site. A sampling and analysis summary, including environmental media, number of samples, laboratory analytical parameters and methods, are presented in the following table.

Environmental Media	Number of Samples	Laboratory Analytical Parameters
Sub-Slab Vapor	12	VOCs by TO-15
Indoor Air	12	VOCs by TO-15

Indoor air sampling was performed in accordance with NYSDOH SVI guidance Section 2.7.3. Samples were collected in 6-liter Summa canisters with a 24-hr flow controller and analyzed for VOCs by United States Environmental Protection Agency Method TO-15. Table 4-4 presents the first round of post-mitigation sample results. The sampling showed an improvement in indoor air concentrations in most areas, but indoor air concentrations remained over 2 µg/m³ in Buildings 7A and 7B.

5.0.2 Second Round Vapor Sampling

In May 2019, additional mitigation of cracks and floor penetrations was completed in Buildings 6, 7A, and 7B. At this time, the elevator shaft in Building 7B was inspected and additional cracks and floor penetrations were identified. In June and July of 2019, the elevator shaft sump was sealed in the same manner as the building slab in other areas of the building. Subsequently, a second round of post-mitigation indoor air samples were collected only from Buildings 7A and 7B in August 2019. Table 4-5 shows indoor air concentrations remained above $2 \mu\text{g}/\text{m}^3$ in Buildings 7, 7A, and 7B.

5.0.3 Third Round Vapor Sampling

Following the elevator shaft sealing activities, ERM completed a third round of indoor air sampling, again at locations VI-04, IA-Bldg-7B-1, and IA-Bldg-7B-2 on 27 February 2020. Table 4-7 shows the results of the third round of post-mitigation indoor air sampling. Results from the second and third post-mitigation sampling round are similar, with no appreciable change in indoor air concentrations.

5.0.4 Product Sampling and Analysis

Following the second round of IRM sampling, G.W. Lisk and ERM identified aerosol flux removers used in the facility as potential sources of CVOCs to indoor air based on review of ingredient labels. The removers are necessary for quality assurance purposes to maintain the rigorous tolerances necessary for the nature of the precision equipment produced at the G.W. Lisk facility. According to G.W. Lisk personnel, the aerosol flux cleaners are used where soldering activities are completed as part of the manufacturing process. The areas where soldering, and subsequently flux cleaner usage is performed, is in Buildings 7A and 7B, where indoor air TCE concentrations are over $2 \mu\text{g}/\text{m}^3$. ERM recommended sampling of two aerosol flux cleaning products used in the areas of observed indoor air TCE concentrations above $2 \mu\text{g}/\text{m}^3$ to determine whether product use may contribute to indoor air concentrations.

Samples were collected on 28 January 2020. One sample of 3M Novec Flux Remover and two samples of Techspray G3 Flux Remover were analyzed in a fume hood by spraying the product in regular intervals of 5 sprays every 5 minutes, waiting 2 seconds between sprays. As indicated in Table 4-6, cis-1,2-DCE and trans-1,2-DCE were detected in relatively high concentrations. TCE was detected in the Novec spray and the first G3 sample, and PCE was also detected in the Novec product. A data usability summary report is included in Appendix E.

Based upon the detection of TCE and other VOCs in the flux cleaners, OSHA permissible exposure level standards may be used for comparison of indoor air concentrations for TCE and other VOCs used within the facilities.

ERM and G.W. Lisk presented the results of the sampling, along with a description of the mitigation measures completed to date, to NYSDEC and NYSDOC on a conference call on 31 March 2020. Both regulatory agencies were in agreement that SVI IRM sampling and mitigation activities appear to be complete and agreed to proceed towards the preparation of a Draft Construction Completion Report (CCR) and Draft Interim Site Management Plan (ISMP) for NYSDEC and NYSDOH review. A summary of project milestones is included in Table 4-8.

6.0 INSTITUTIONAL AND ENGINEERING CONTROLS

6.1 Institutional Controls

In parallel with IRM pathway sealing, G.W. Lisk is implementing internal procedures to prohibit penetration of the slab in areas indicated in the final IRM Work Plan. If penetration cannot be avoided due to site operational, maintenance, or construction considerations, additional procedures will be implemented to minimize the potential for soil vapor intrusion. Additionally, the air flow rates discussed in Section 3.2 will be checked at least once per year. These and other institutional control procedures are presented in the Draft ISMP (see Section 8.0

below), which was submitted separately to NYSDEC and NYSDOH for review on 31 July 2020 as requested by the Departments on 31 March 2020.

6.2 Engineering Controls

The sealing of the cracks, voids, and floor penetrations in Building 4A, 6, 6A, 7A, 7B, and the vacuum furnace room reinforced the engineering control that is present on Site in the form of the building slabs. This control provides a barrier that prevents vapor from potentially migrating from the subsurface into the indoor air. Additionally, the integrity of this control is critical to the proper evaluation of chemicals present in facility air as originating from production operations or potential vapor intrusion.

The extent of the engineering control is illustrated on as-built Figure 4-4. The slab integrity is to be inspected and assessed periodically as part of facility maintenance. This procedure is included in the Draft ISMP.

7.0 DEVIATIONS FROM THE INTERIM REMEDIAL MEASURE WORK PLAN

- Originally, 11 co-located sub-slab and indoor air sample locations were proposed, but an additional location was added in Building 5 to further delineate the extent of the mitigation area.
- The collection of flux remover product samples was not originally part of the IRM work plan. However, the elevated concentrations of 1,2 trans-DCE in indoor air indicated the influence of these products, and they were tested to identify if CVOCs present in the sub-slab were present as an unreported impurity in the manufacturing products.
- Following the collection of aerosol flux cleaner sampling in January 2020, indoor air concentrations were no longer compared to the NYSDOH indoor air

guidance or the associated decision matrices, but rather to industrial worker safety guidance, including the OSHA permissible exposure levels.

- The surficial sealing product DRYLOK was utilized within the elevator shaft in 7B. This product is low VOC, and a catalog cutsheet is included in Appendix F.

8.0 INTERIM SITE MANAGEMENT PLAN

An ISMP is being prepared that details procedures for slab penetrations, ground disturbances, notification protocols, inspections, and required maintenance to preserve the health of visitors and employees at the facility. The procedures to be implemented for any floor penetrations and for maintenance of the IRM will be documented in a focused ISMP. The ISMP is being prepared in accordance with Section 6.2 of the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10; NYSDEC 2010). The Draft ISMP was submitted separately to NYSDEC and NYSDOH for review on 31 July 2020 as requested by the Departments on 31 March 2020.

9.0 CONCLUSIONS AND RECOMMENDATIONS

After multiple rounds of mitigation and sampling in accordance with NYSDEC and NYSDOH guidelines and approvals on work plans, the slab appears to act as a barrier to soil vapor intrusion into indoor air. Additionally, G.W. Lisk has increased airflow through the facility with modifications to the HVAC system. G.W. Lisk has also replaced products containing CVOCs with substitutes where practicable. When suitable replacement products were ineffective or otherwise unable to be used, products containing the highest TCE concentrations are being phased out, and aerosol versions of the products are being replaced by liquid versions to minimize volatiles in indoor air. These measures, in addition to the successful completion of sealing mitigation activities, have significantly reduced

the potential risk to workers and visitors in the G.W. Lisk Main Buildings. Going forward, adherence to an ISMP will facilitate continued protection of the health and safety of G.W. Lisk employees and visitors.

10.0 REFERENCES CITED

- ERM, 2016. *Final Site Characterization Work Plan, G.W Lisk Facility – 2 South Street, Village of Clifton Springs, Ontario County, New York. NYSDEC Site Number 835026.* ERM Consulting & Engineering, Inc. Syracuse, January 2016.
- ERM, 2018. *Soil Vapor Intrusion Interim Remedial Measure Work Plan, G.W. Lisk Facility – 2 South Street, Village of Clifton Springs, Ontario County, New York. NYSDEC Site Number 835026.* ERM Consulting & Engineering, Inc. Syracuse, March 2018.
- NYSDEC, 2010. *DER-10: Final Technical Guidance for Site Investigation and Remediation.* NYSDEC Division of Environmental Remediation, Albany, May 2010.
- NYSDEC, 2017. *Letter regarding Potential Soil Vapor Intrusion and IRM Work plan.* NYSDEC Division of Environmental Remediation Region 8 to G.W. Lisk Company Inc., 2 October 2017.
- NYSDOH, 2006. *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.* NYSDOH Center for Environmental Health, Bureau of Environmental Exposure Investigation, October 2006 (latest amendment May 2017).
- NYSDOH, 2017. *Soil Vapor / Indoor Air Decision Matrices Update.* NYSDOH Center for Environmental Health, Bureau of Environmental Exposure Investigation, May 2017.

TABLES

Table 2-1
Site Characterization SVI Sampling Results
GW Lisk Clifton Springs Facility
Clifton Springs, New York

Analyte	Location ID	GWL-AA	VI-01 - IA	VI-01 - SS	VI-02 - IA	VI-02 - SS	VI-03 - IA	VI-03 - SS	VI-04 - IA	VI-04 - SS	VI-04 - IA	VI-05 - IA	VI-05 - SS
	Sample Date	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17	10-May-17
	Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
VOCs													
Acetone	µg/m3	6.03	158	618	96.4	4920	23.5	725	85	5580	90.7	11.4	556
Allyl chloride	µg/m3	< 0.626	< 0.626	< 3.13	< .626	< 6.26	< .626	< 146	< .626	< 127	< .626	< .626	< 3.13
Benzene	µg/m3	< 0.639	< .639	8.53	0.76	25.3	< .639	< 149	2.24	< 130	2.26	< .639	66.4
Benzyl chloride	µg/m3	< 1.04	< 1.04	< 5.18	< 1.04	< 10.4	< 1.04	< 242	< 1.04	< 210	< 1.04	< 1.04	< 5.18
Bromodichloromethane	µg/m3	< 1.34	< 1.34	< 6.7	< 1.34	< 13.4	< 1.34	< 313	< 1.34	< 272	< 1.34	< 1.34	< 6.7
Bromoform	µg/m3	< 2.07	< 2.07	< 10.3	< 2.07	< 20.7	< 2.07	< 483	< 2.07	< 420	< 2.07	< 2.07	< 10.3
Bromomethane	µg/m3	< .777	< .777	< 3.88	< .777	< 7.77	< .777	< 181	< .777	< 158	< .777	< .777	< 3.88
2-Butanone	µg/m3	< 1.47	1.75	< 7.37	2.28	74	2.13	< 345	9.88	< 301	9.47	< 1.47	28.4
1,3-Butadiene	µg/m3	< .442	< .442	< 2.21	< .442	< 4.42	< .442	< 103	< .442	< 89.8	< .442	< .442	6.95
Carbon disulfide	µg/m3	< .623	< .623	< 3.11	23.10	21.3	1.1	< 145	1.08	< 126	1.12	< .623	23.4
Carbon tetrachloride	µg/m3	0.35	0.4	< 6.29	0.39	< 12.6	0.41	< 294	0.45	< 255	0.48	0.38	< 6.29
Chlorobenzene	µg/m3	< .921	< .921	< 4.61	< .921	< 9.21	< .921	< 215	< .921	< 187	< .921	< .921	< 4.61
Chloroethane	µg/m3	< .528	< .528	< 2.64	< .528	< 5.28	< .528	< 123	< .528	< 107	< .528	< .528	< 2.64
Chloromethane	µg/m3	1.21	1.33	< 2.07	1.27	< 4.13	1.19	< 96.4	1.16	< 83.8	1.26	1.14	2.75
Chloroform	µg/m3	< .977	< .977	< 4.88	< .977	< 9.77	< .977	242	< .977	< 198	< .977	< .977	< 4.88
cis-1,2-Dichloroethene	µg/m3	< .079	0.08	< 3.96	< .079	< 7.93	0.13	864	0.12	1190	0.11	< .079	< 3.96
cis-1,3-Dichloropropene	µg/m3	< .908	< .908	< 4.54	< .908	< 9.08	< .908	< 212	< .908	< 184	< .908	< .908	< 4.54
Cyclohexane	µg/m3	< .688	< .688	15.4	< .688	185	< .688	< 161	< .688	< 140	< .688	< .688	100
Dibromochloromethane	µg/m3	< 1.7	< 1.7	< 8.52	< 1.7	< 17	< 1.7	< 398	< 1.7	< 346	< 1.7	< 1.7	< 8.52
1,2-Dichlorobenzene	µg/m3	< 1.2	< 1.2	< 6.01	< 1.2	< 12	< 1.2	< 281	< 1.2	< 244	< 1.2	< 1.2	< 6.01
1,3-Dichlorobenzene	µg/m3	< 1.2	< 1.2	< 6.01	< 1.2	< 12	< 1.2	< 281	< 1.2	< 244	< 1.2	< 1.2	< 6.01
1,4-Dichlorobenzene	µg/m3	< 1.2	< 1.2	< 6.01	< 1.2	< 12	< 1.2	< 281	< 1.2	< 244	< 1.2	< 1.2	< 6.01
1,2-Dichloroethane	µg/m3	< .809	< .809	< 4.05	< .809	< 8.09	< .809	< 189	< .809	< 164	< .809	< .809	< 4.05
1,1-Dichloroethane	µg/m3	< .809	< .809	< 4.05	< .809	< 8.09	< .809	882	< .809	334	< .809	< .809	< 4.05
1,1-Dichloroethene	µg/m3	< .079	< .079	< 3.96	< .079	< 7.93	< .079	5470	0.12	3010	0.12	< .079	< 3.96
1,2-Dichloropropane	µg/m3	< .924	< .924	< 4.62	< .924	< 9.24	< .924	< 216	< .924	< 188	< .924	< .924	< 4.62
Ethanol	µg/m3	< 9.42	34.1	245	28.6	748	42	< 2200	168	< 1920	194	54.1	754
Ethyl acetate	µg/m3	< 1.8	< 1.8	< 9.01	< 1.8	< 18	< 1.8	< 422	< 1.8	< 368	< 1.8	< 1.8	< 9.01
Ethylbenzene	µg/m3	< .869	20.5	14.2	< .869	< 8.69	1.53	< 203	5.95	< 176	5.43	< .869	6.52
Ethylene dibromide	µg/m3	< 1.54	< 1.54	< 7.69	< 1.54	< 15.4	< 1.54	< 359	< 1.54	< 312	< 1.54	< 1.54	< 7.69
4-Ethyltoluene	µg/m3	< .983	< .983	< 4.92	1.77	< 9.83	1.68	< 230	1.86	< 200	1.69	< .983	< 4.92
Freon 11	µg/m3	1.35	11.4	6.97	1.3	< 11.2	5.1	< 262	9.78	< 228	10	1.9	< 5.62
Freon 12	µg/m3	2.13	1.93	12.70	1.86	< 9.89	2.13	354	2.46	870	2.36	2.52	< 4.94
Freon 113	µg/m3	< 1.53	1.56	1120	< 1.53	88.9	2.02	53500	3.86	205000	3.76	< 1.53	< 7.66
Freon 114	µg/m3	< 1.4	< 1.4	< 6.99	< 1.4	< 14	< 1.4	< 326	< 1.4	< 284	< 1.4	< 1.4	< 6.99
Heptane	µg/m3	< .820	< .82	44.3	< .82	561	< .82	< 191	< .820	< 166	< .82	< .82	184
n-Hexane	µg/m3	< .705	< .705	66.6	< .705	578	0.91	< 165	< .705	212	< .705	< .705	259
2-Hexanone	µg/m3	< .820	< .82	< 4.1	< .82	< 8.2	< .82	< 191	< .820	< 166	< .82	< .82	< 4.1
Isopropyl alcohol	µg/m3	< 1.23	349	62.7	102	398	300	< 288	376	403	410	12.5	58.7
4-Methyl-2-pentanone	µg/m3	< 2.05	< 2.05	< 10.2	< 2.05	< 20.5	< 2.05	< 479	16.5	< 418	17.6	< 2.05	< 10.2
Methyl tert-butyl ether	µg/m3	< .721	< .721	< 3.61	< .721	< 7.21	< .721	< 168	< .721	< 146	< .721	< .721	< 3.61
Methylene chloride	µg/m3	< 1.74	20	11.9	2.39	30.4	11.9	< 406	19	< 354	20.2	6.74	< 8.69
o-Xylene	µg/m3	< .869	11.8	8.12	1.61	< 8.69	2.1	< 203	9.69	< 176	8.9	< .869	9.56
Styrene	µg/m3	< .852	63.9	43	< .852	< 8.52	< .852	< 199	< .852	< 173	< .852	< .852	< 4.26
tert-Butyl alcohol	µg/m3	< 1.52	< 1.52	< 7.58	< 1.52	162	< 1.520	< 355	< 1.520	< 309	< 1.52	< 1.52	24.1
Tetrachloroethene	µg/m3	< .136	0.45	< 6.78	< .136	318	0.55	4640	1.81	3850	1.78	< .136	< 6.78
Tetrahydrofuran	µg/m3	< 1.47	< 1.47	< 7.37	< 1.47	< 14.7	< 1.47	< 345	< 1.47	< 301	< 1.47	< 1.47	< 7.37
Toluene	µg/m3	< .754	< .754	11.2	9.27	60.7	1.81	< 176	2.59	< 153	2.44	1.82	113
trans-1,2-Dichloroethene	µg/m3	< .793	110	60.3	< .793	< 7.93	43.6	< 185	51.5	< 161	50.4	< .793	< 3.96
trans-1,3-Dichloropropene	µg/m3	< .908	< .908	< 4.54	< .908	< 9.08	< .908	< 212	< .908	< 184	< .908	< .908	< 4.54
1,1,1-Trichloroethane	µg/m3	< .109	0.3	< 5.46	< .109	214	0.24	7910	0.59	11000	0.62	< .109	< 5.46
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 1.37	< 6.87	< 1.37	< 13.7	< 1.37	< 321	< 1.37	< 279	< 1.37	< 1.37	< 6.87
1,1,2-Trichloroethane	µg/m3	< 1.09	< 1.09	< 5.46	< 1.09	< 10.9	< 1.09	< 255	< 1.09	< 222	< 1.09	< 1.09	< 5.46
1,3,5-Trimethylbenzene	µg/m3	< .983	< .983	< 4.92	5.01	< 9.83	3.99	< 230	4.62	< 200	4.27	1.32	5.31
2,2,4-Trimethylpentane	µg/m3	< .934	< .934	< 4.67	1.15	< 9.34	1.05	< 218	1.08	< 190	1.06	< .934	< 4.67
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 1.48	< 7.42	< 1.48	< 14.8	< 1.48	< 347	< 1.48	< 301	< 1.48	< 1.48	< 7.42
1,2,4-Trimethylbenzene	µg/m3	< .983	< .983	< 4.92	11.3	< 9.83	9.68	< 230	11.1	< 200	10.5	3.32	7.57
Trichloroethene	µg/m3	< .107	0.31	< 5.37	0.16	499	2.86	90300	7.2	51100	7.42	0.12	39.8
Vinyl bromide	µg/m3	< .874	< .874	< 4.37	< .874	< 8.74	< .874	< 204	< .874	< 178	< .874	< .874	< 4.37
Vinyl chloride	µg/m3	< .051	< .051	< 2.56	< .051	< 5.11	< .051	< 119	< .051	< 104	< .051	< .051	< 2.56
Xylenes, m/p	µg/m3	< 1.74	74.7	50.4	3.08	21.7	6.6	< 406	26.5	< 353	24.7	< 1.74	37.4

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

Empty cells = not analyzed

FD = Field Duplicate Sample

N = Normal Environmental Sample

Units are in µg/m3 = micrograms per cubic meter

All analyses performed by Alpha Analytical Westborough.

Table 4-1
First Round Pre-Mitigation Sampling Results
GW Lisk Clifton Springs Facility
Clifton Springs, New York

	Location ID	SS-BLDG-4A	SS-BLDG-4A	SS-BLDG-4C	SS-BLDG-4D	SS-AOPC-5	SS-BLDG-6	SS-BLDG-7B-1	SS-BLDG-7B-2
	Sample Date	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018	8/7/2018
Analyte	Sample Type	N	FD	N	N	N	N	N	N
Unit									
VOCs, select ion monitoring (SIM)									
Carbon tetrachloride	ug/m3	< 1.26	< 6.29	< 2.52	< 1.26	< 6.29	< 72.3	< 12.6	< 113
1,1-Dichloroethene	ug/m3	< 0.793	< 3.96	< 1.59	< 0.793	< 3.96	3,860	< 7.93	346
cis-1,2-Dichloroethene	ug/m3	< 0.793	< 3.96	< 1.59	< 0.793	256	1,560	78.1	967
trans-1,2-Dichloroethene	ug/m3	1.02	< 3.96	< 1.59	< 0.793	44.4	97.1	809	121
trans-1,3-Dichloropropene	ug/m3	< 0.908	< 4.54	< 1.82	< 0.908	< 4.54	< 52.2	< 9.08	< 81.3
Tetrachloroethene	ug/m3	22.8	20.5	82.7	1.53	1,840	7,930	882	8,410
1,1,1-Trichloroethane	ug/m3	13.0	12.4	< 2.18	< 1.09	119	13,400	33.0	4,670
Trichloroethene	ug/m3	32.5	29.8	76.3	6.45	881	143,000	308	56,400
1,2,4-Trichlorobenzene	ug/m3	< 1.48	< 7.42	< 2.97	< 1.48	< 7.42	< 85.4	< 14.8	< 133
Vinyl chloride	ug/m3	< 0.511	< 2.56	< 1.02	< 0.511	< 2.56	< 29.4	< 5.11	< 45.8
VOCs									
Acetone	ug/m3	35.4	27.1	397	41.6	22.2	273	< 23.8	< 213
Allyl chloride	ug/m3	< 0.626	< 3.13	< 1.25	< 0.626	< 3.13	< 36.0	< 6.26	< 56.0
Benzene	ug/m3	< 0.639	< 3.19	2.04	< 0.639	< 3.19	< 36.7	< 6.39	< 57.2
Benzyl chloride	ug/m3	< 1.04	< 5.18	< 2.07	< 1.04	< 5.18	< 59.5	< 10.4	< 92.7
Bromodichloromethane	ug/m3	< 1.34	< 6.70	< 2.68	< 1.34	< 6.70	< 77.0	< 13.4	< 120
Bromoform	ug/m3	< 2.07	< 10.3	< 4.14	< 2.07	< 10.3	< 119	< 20.7	< 185
1,3-Butadiene	ug/m3	< 0.442	< 2.21	< 0.885	< 0.442	< 2.21	< 25.4	< 4.42	< 39.6
2-Butanone	ug/m3	7.49	< 7.37	3.39	3.19	< 7.37	< 84.9	< 14.7	< 132
Carbon disulfide	ug/m3	3.49	3.21	< 1.25	0.772	7.66	< 35.8	< 6.23	< 55.7
Chlorobenzene	ug/m3	< 0.921	< 4.61	< 1.84	< 0.921	< 4.61	< 53.0	< 9.21	< 82.4
Chloroethane	ug/m3	< 0.528	< 2.64	< 1.06	< 0.528	< 2.64	< 30.3	< 5.28	< 47.2
Chloroform	ug/m3	< 0.977	< 4.88	< 1.95	< 0.977	64.9	171	< 9.77	93.3
Cyclohexane	ug/m3	0.823	< 3.44	1.66	< 0.688	< 3.44	< 39.6	< 6.88	< 61.6
Dibromochloromethane	ug/m3	< 1.70	< 8.52	< 3.41	< 1.70	< 8.52	< 98.0	< 17.0	< 152
1,2-Dichlorobenzene	ug/m3	< 1.20	< 6.01	< 2.40	< 1.20	< 6.01	< 69.1	< 12.0	< 108
1,3-Dichlorobenzene	ug/m3	< 1.20	< 6.01	< 2.40	< 1.20	< 6.01	< 69.1	< 12.0	< 108
1,4-Dichlorobenzene	ug/m3	< 1.20	< 6.01	< 2.40	< 1.20	< 6.01	< 69.1	< 12.0	< 108
Dichlorodifluoromethane (Freon 12)	ug/m3	1,010	1,030	< 1.98	2.14	22.4	250	2,580	101
1,1-Dichloroethane	ug/m3	< 0.809	< 4.05	< 1.62	< 0.809	61.5	1,050	< 8.09	181
1,2-Dichloroethane	ug/m3	< 0.809	< 4.05	< 1.62	< 0.809	< 4.05	< 46.5	< 8.09	< 72.4
1,2-Dichloropropane	ug/m3	< 0.924	< 4.62	< 1.85	< 0.924	< 4.62	< 53.1	< 9.24	< 82.7
cis-1,3-Dichloropropene	ug/m3	< 0.908	< 4.54	< 1.82	< 0.908	< 4.54	< 52.2	< 9.08	< 81.3
1,4-Dioxane	ug/m3	< 0.721	< 3.60	< 1.44	< 0.721	< 3.60	< 41.4	< 7.21	< 64.5
Ethanol	ug/m3	87.6	86.1	256	367	279	< 543	236	< 844
Ethyl acetate	ug/m3	< 1.80	< 9.01	< 3.60	< 1.80	< 9.01	< 104	< 18.0	< 161
Ethylbenzene	ug/m3	2.33	< 4.34	< 1.74	0.925	< 4.34	< 50.0	< 8.69	< 77.7
Ethylene dibromide	ug/m3	< 1.54	< 7.69	< 3.07	< 1.54	< 7.69	< 88.4	< 15.4	< 138
4-Ethyltoluene	ug/m3	< 0.983	< 4.92	2.83	< 0.983	< 4.92	< 56.5	< 9.83	< 88.0
Heptane	ug/m3	3.31	< 4.10	6.64	3.89	< 4.10	< 47.1	< 8.20	< 73.4
Hexachlorobutadiene	ug/m3	< 2.13	< 10.7	< 4.27	< 2.13	< 10.7	< 123	< 21.3	< 191
n-Hexane	ug/m3	2.31	< 3.52	4.09	2.73	3.88	< 40.5	< 7.05	< 63.1
2-Hexanone	ug/m3	0.922	< 4.10	< 1.64	< 0.820	< 4.10	< 47.1	< 8.20	< 73.4
Isopropyl alcohol	ug/m3	13.2	12.8	22.5	64.9	24.1	< 70.8	28.5	< 110
Methyl bromide	ug/m3	< 0.777	< 3.88	< 1.55	< 0.777	< 3.88	< 44.7	< 7.77	< 69.5
Methyl chloride	ug/m3	< 0.413	< 2.07	< 0.826	< 0.413	< 2.07	< 23.7	< 4.13	< 37.0
Methyl tert-butyl ether	ug/m3	< 0.721	< 3.61	< 1.44	< 0.721	< 3.61	< 41.5	< 7.21	< 64.5
Methylene chloride	ug/m3	8.79	8.86	< 3.47	< 1.74	< 8.69	< 100	< 17.4	< 156
4-Methyl-2-pentanone	ug/m3	< 2.05	< 10.2	< 4.10	< 2.05	< 10.2	< 118	< 20.5	< 184
Styrene	ug/m3	< 0.852	< 4.26	< 1.70	< 0.852	< 4.26	< 49.0	< 8.52	< 76.2
tert-Butyl alcohol	ug/m3	3.33	< 7.58	8.94	2.04	< 7.58	< 87.3	< 15.2	< 136
1,1,2,2-Tetrachloroethane	ug/m3	< 1.37	< 6.87	< 2.75	< 1.37	< 6.87	< 79.0	< 13.7	< 123
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ug/m3	< 1.40	< 6.99	< 2.80	< 1.40	< 6.99	< 80.4	< 14.0	< 125
Tetrahydrofuran	ug/m3	< 1.47	< 7.37	7.93	< 1.47	< 7.37	< 84.9	< 14.7	< 132
Toluene	ug/m3	5.01	5.88	6.67	4.26	5.50	< 43.3	< 7.54	< 67.5
1,1,2-Trichloroethane	ug/m3	< 1.09	< 5.46	< 2.18	< 1.09	< 5.46	< 62.7	< 10.9	< 97.7
Trichlorofluoromethane (Freon 11)	ug/m3	2.58	< 5.62	2.71	1.33	< 5.62	< 64.6	< 11.2	< 101
1,1,2-trichloro-1,1,2,2-trifluoroethane (Freon 113)	ug/m3	10.7	10.4	< 3.07	< 1.53	392	34,500	400	9,120
1,2,4-Trimethylbenzene	ug/m3	1.18	< 4.92	10.0	< 0.983	< 4.92	< 56.5	< 9.83	< 88.0
1,3,5-Trimethylbenzene	ug/m3	< 0.983	< 4.92	3.50	< 0.983	< 4.92	< 56.5	< 9.83	< 88.0
2,2,4-Trimethylpentane	ug/m3	< 0.934	< 4.67	< 1.87	< 0.934	< 4.67	< 53.7	< 9.34	< 83.6
Vinyl bromide	ug/m3	< 0.874	< 4.37	< 1.75	< 0.874	< 4.37	< 50.3	< 8.74	< 78.3
m,p-Xylenes	ug/m3	4.30	< 8.69	6.30	2.58	< 8.69	< 99.9	< 17.4	< 155
o-Xylene	ug/m3	1.38	< 4.34	3.34	< 0.869	< 4.34	< 50.0	< 8.69	< 77.7

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

Empty cells = not analyzed

FD = Field Duplicate Sample

N = Normal Environmental Sample

Units are in ug/m3 = micrograms per cubic meter

All analyses performed by Alpha Analytical Westborough.

Table 4-2
Second Round Pre-Mitigation Sampling Results
GW Lisk Clifton Springs Facility
Clifton Springs, New York

	Location ID	AA	IA-BLDG-4A	IA-BLDG-4D	IA-BLDG-4D	IA-BLDG-4M	SS-BLDG-4M	IA-BLDG-5	SS-BLDG-5
	Sample Date	10/16/2018	10/16/2018	10/16/2018	10/16/2018	10/16/2018	10/16/2018	10/16/2018	10/16/2018
Analyte	Sample Type	N	N	N	FD	N	N	N	N
Unit									
VOCs, select ion monitoring (SIM)									
Carbon tetrachloride	ug/m ³	0.390	0.421	0.415	0.579	0.409	< 6.48	0.421	< 6.29
1,1-Dichloroethene	ug/m ³	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 4.08	< 0.079	< 3.96
cis-1,2-Dichloroethene	ug/m ³	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 4.08	< 0.079	< 3.96
trans-1,2-Dichloroethene	ug/m ³	< 0.793	1.83	< 0.793	< 0.793	2.37	< 4.08	1.43	< 3.96
trans-1,3-Dichloropropene	ug/m ³	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 4.68	< 0.908	< 4.54
Tetrachloroethene	ug/m ³	< 0.136	< 0.136	< 0.136	< 0.136	0.197	< 6.98	0.292	< 6.78
1,1,1-Trichloroethane	ug/m ³	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 5.62	0.186	45.9
Trichloroethene	ug/m ³	< 0.107	0.876	< 0.107	< 0.107	0.129	< 5.54	0.666	61.8
1,2,4-Trimethylbenzene	ug/m ³	< 0.983	1.92	7.42	6.05	1.90	< 5.06	4.78	< 4.92
Vinyl chloride	ug/m ³	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 2.63	< 0.051	2.91
VOCs									
Acetone	ug/m ³	3.66	22.0	189	189	16.2	32.1	45.4	649
Allyl chloride	ug/m ³	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 3.22	< 0.626	< 3.13
Benzene	ug/m ³	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 3.29	< 0.639	< 3.19
Benzyl chloride	ug/m ³	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 5.33	< 1.04	< 5.18
Bromodichloromethane	ug/m ³	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 6.90	< 1.34	< 6.70
Bromoform	ug/m ³	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 10.6	< 2.07	< 10.3
1,3-Butadiene	ug/m ³	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 2.28	< 0.442	< 2.21
2-Butanone	ug/m ³	< 1.47	1.53	< 1.47	< 1.47	< 1.47	< 7.61	1.75	< 7.37
Carbon disulfide	ug/m ³	< 0.623	1.59	< 0.623	< 0.623	1.21	< 3.21	4.14	< 3.11
Chlorobenzene	ug/m ³	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 4.74	< 0.921	< 4.61
Chloroethane	ug/m ³	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 2.72	< 0.528	< 2.64
Chloroform	ug/m ³	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 5.03	< 0.977	< 4.88
Cyclohexane	ug/m ³	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	4.51	< 0.688	< 3.44
Dibromochloromethane	ug/m ³	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 8.78	< 1.70	< 8.52
1,2-Dichlorobenzene	ug/m ³	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 6.19	< 1.20	< 6.01
1,3-Dichlorobenzene	ug/m ³	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 6.19	< 1.20	< 6.01
1,4-Dichlorobenzene	ug/m ³	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 6.19	< 1.20	< 6.01
Dichlorodifluoromethane (Freon 12)	ug/m ³	2.61	3.00	2.82	2.94	2.52	6.38	3.17	< 4.94
1,1-Dichloroethane	ug/m ³	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 4.17	< 0.809	< 4.05
1,2-Dichloroethane	ug/m ³	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 4.17	< 0.809	< 4.05
1,2-Dichloropropane	ug/m ³	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 4.76	< 0.924	< 4.62
cis-1,3-Dichloropropene	ug/m ³	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 4.68	< 0.908	< 4.54
1,4-Dioxane	ug/m ³	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 3.71	< 0.721	< 3.60
Ethanol	ug/m ³	< 9.42	< 9.42	76.9	71.2	16.1	275	76.9	426
Ethyl acetate	ug/m ³	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80	< 9.30	< 1.80	< 9.01
Ethylbenzene	ug/m ³	< 0.869	< 0.869	< 0.869	< 0.869	< 0.869	< 4.47	< 0.869	< 4.34
Ethylene dibromide	ug/m ³	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 7.92	< 1.54	< 7.69
4-Ethyltoluene	ug/m ³	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 5.06	< 0.983	< 4.92
Heptane	ug/m ³	< 0.820	3.10	0.971	0.865	< 0.820	5.49	1.04	< 4.10
Hexachlorobutadiene	ug/m ³	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13	< 11.0	< 2.13	< 10.7
n-Hexane	ug/m ³	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	19.1	< 0.705	4.37
2-Hexanone	ug/m ³	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 4.22	< 0.820	< 4.10
Isopropyl alcohol	ug/m ³	2.09	81.6	1,140	1,080	49.2	28.3	310	190
Methyl bromide	ug/m ³	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 4.00	< 0.777	< 3.88
Methyl chloride	ug/m ³	0.890	0.882	0.911	1.00	0.890	< 2.13	0.958	< 2.07
Methyl tert-butyl ether	ug/m ³	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 3.71	< 0.721	< 3.61
Methylene chloride	ug/m ³	< 1.74	26.8	< 1.74	< 1.74	< 1.74	< 8.96	< 1.74	< 8.69
4-Methyl-2-pentanone	ug/m ³	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 10.6	< 2.05	< 10.2
Styrene	ug/m ³	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 4.39	< 0.852	< 4.26
tert-Butyl alcohol	ug/m ³	< 1.52	< 1.52	< 1.52	< 1.52	< 1.52	< 7.82	< 1.52	< 7.58
1,1,2,2-Tetrachloroethane	ug/m ³	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 7.07	< 1.37	< 6.87
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ug/m ³	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 7.20	< 1.40	< 6.99
Tetrahydrofuran	ug/m ³	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 7.61	< 1.47	< 7.37
Toluene	ug/m ³	< 0.754	1.06	3.50	4.26	< 0.754	< 3.88	1.02	< 3.77
1,2,4-Trichlorobenzene	ug/m ³	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 7.65	< 1.48	< 7.42
1,1,2-Trichloroethane	ug/m ³	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 5.62	< 1.09	< 5.46
Trichlorofluoromethane (Freon 11)	ug/m ³	1.37	1.23	1.46	1.36	< 5.79	1.82	47.8	
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	ug/m ³	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	27.2	< 1.53	58.1
1,3,5-Trimethylbenzene	ug/m ³	< 0.983	< 0.983	3.49	2.85	< 0.983	< 5.06	2.06	< 4.92
2,2,4-Trimethylpentane	ug/m ³	< 0.934	< 0.934	0.967	< 0.934	< 0.934	< 4.81	1.22	< 4.67
Vinyl bromide	ug/m ³	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874	< 4.50	< 0.874	< 4.37
m,p-Xylenes	ug/m ³	< 1.74	< 1.74	2.73	2.85	< 1.74	< 8.95	1.95	< 8.69
o-Xylene	ug/m ³	< 0.869	< 0.869	1.36	1.35	< 0.869	< 4.47	0.877	< 4.34

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

Empty cells = not analyzed

FD = Field Duplicate Sample

N = Normal Environmental Sample

Units are in ug/m³ = micrograms per cubic meter

All analyses performed by Alpha Analytical Westborough.

AA = Ambient air sample

IA = Indoor air sample

SS = Sub-slab sample



Table 4-3
Mitigation Specifications - Linear Footage
GW Lisk - 2 South Street Facility
Clifton Springs, New York

Date Sealed	Building ID	Linear Footage
3/1/2019	4A	313
	6	258
	6A	129
	7	80
	7A	25
	7B	511
	Vac Furnace	303
7/1/2019	6, 6A, 7A, 7B	160



	Location ID	AA	IA-AOPF-3	SS-AOPF-3	IA-BLDG-4A	SS-BLDG-4A	IA-BLDG-4C	SS-BLDG-4C	IA-BLDG-4D	SS-BLDG-4D	IA-BLDG-4M	SS-BLDG-4M	IA-BLDG-5	SS-BLDG-5	IA-BLDG-6	SS-BLDG-6	IA-BLDG-7B-1	SS-BLDG-7B-1	IA-BLDG-7B-2	SS-BLDG-7B-2	VI-Q2-1A	VI-Q2-4A
Analyte	Sample Date	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	FD
VOCs, select ion monitoring (SIM)																						
Carbon tetrachloride	µg/m3	0.465	0.491	<1.26	0.421	<1.26	0.415	<1.26	0.365	<2.52	0.522	<1.26	0.484	<1.26	0.522	<388	0.516	<1.26	0.623	<83.0	0.528	0.465
1,1-Dichloroethene	µg/m3	<0.079	<0.079	<0.793	<0.079	<0.793	<0.079	<0.793	<0.079	<1.59	<0.079	<0.793	<0.079	<0.793	<0.079	4.200	<0.079	<0.793	<0.079	<1.170	<0.079	<0.079
cis-1,2-Dichloroethene	µg/m3	<0.079	0.289	39.4	<0.079	<0.793	<0.079	<0.793	<0.079	<1.59	<0.079	<0.793	<0.079	<0.793	<0.079	642	0.718	135	<0.079	1,110	<0.079	<0.079
trans-1,2-Dichloroethene	µg/m3	<0.793	0.152	18.0	<0.793	3.25	<0.793	1.35	<0.793	3.04	<0.793	1.35	<0.793	3.04	<0.793	1,110	9.56	9.04	<0.793	9.04	<0.793	<0.793
trans-1,3-Dichloropropene	µg/m3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.82	<0.908	<0.908	<0.908	<0.908	<0.908	<280	<0.908	<0.908	<0.908	<59.9	<0.908	<0.908
Tetrachloroethene	µg/m3	<0.136	1.42	61.5	0.244	6.98	<0.136	3.69	<0.136	<2.71	0.149	1.52	0.224	6.49	0.278	685	0.441	163	0.861	1.710	<0.136	<0.136
1,1,1-Trichloroethene	µg/m3	<0.109	0.175	240	0.447	7.75	<0.109	<1.09	<0.109	<2.18	<0.109	2.31	0.278	84.6	0.180	9,280	0.147	120	0.458	4,460	0.780	0.660
Trichloroethene	µg/m3	<0.107	0.881	124	0.199	10.6	<0.107	11.4	<0.107	<2.15	0.140	4.41	0.742	118	0.079	40,700	1.05	440	2,560	0.077	0.150	
2,4-Dimethylbenzene	µg/m3	<0.383	1.05	1.083	0.383	1.05	<0.383	1.05	<0.383	1.66	<0.383	1.66	<0.383	1.66	<0.383	1,390	<0.383	<0.383	<45.4	<0.383	<0.383	<0.383
Vinyl chloride	µg/m3	<0.051	<0.051	<0.511	<0.051	<0.511	<0.051	<0.511	<0.051	<1.02	<0.051	<0.511	<0.051	<0.511	<0.051	<158	<0.051	<0.511	<0.051	<33.7	<0.051	<0.051
VOCs																						
Acetone	µg/m3	3.25	52.0	23.4	14.5	11.4	3.92	12.7	33.3	17.5	9.53	15.0	29.0	21.9	12.6	<73.4	44.9	24.0	20.2	<15.7	13.2	13.0
Allyl chloride	µg/m3	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<1.25	<0.626	<0.626	<0.626	<0.626	<0.626	<193	<0.626	<0.626	<0.626	<41.3	<0.626	<0.626
Benzene	µg/m3	<0.639	<0.639	<0.639	0.769	<0.639	<0.639	<0.639	<0.639	<1.28	<0.639	<0.639	<0.639	<0.639	<0.639	<1	<0.639	<0.639	<0.639	<41.3	<0.639	<0.639
Benzyl chloride	µg/m3	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<2.07	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<68.3	<1.04	<1.04
Bromodichloromethane	µg/m3	<1.134	<1.134	<1.134	<1.134	<1.134	<1.134	<1.134	<1.134	<2.68	<1.134	<1.134	<1.134	<1.134	<1.134	<413	<1.134	<1.134	<1.134	<68.3	<1.134	<1.134
Bromofluoromethane	µg/m3	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<4.14	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<2.07	<13.0	<2.07	<2.07
Bromomethane	µg/m3	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<0.777	<1.55	<0.777	<0.777	<0.777	<0.777	<0.777	<240	<0.777	<0.777	<0.777	<51.3	<0.777	<0.777
1,3-Butadiene	µg/m3	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442	<0.885	<0.442	<0.442	<0.442	<0.442	<0.442	<136	<0.442	<0.442	<0.442	<29.2	<0.442	<0.442
2-Butanone	µg/m3	<1.47	4.75	4.66	3.60	3.30	<1.47	3.33	<1.47	3.60	3.13	4.84	1.82	4.54	1.80	4.54	6.31	6.31	6.31	9.73	1.97	2.03
1,2-Dichlorodisulfide	µg/m3	1.922	18.623	0.923	1.922	1.922	1.922	1.922	1.922	1.49	1.922	1.922	1.922	1.922	1.922	1.922	1.922	1.922	1.922	29.4	29.4	29.4
Chlorobenzene	µg/m3	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<0.921	<1.84	<0.921	<0.921	<0.921	<0.921	<0.921	<284	<0.921	<0.921	<0.921	<60.8	<0.921	<0.921
Chloroethane	µg/m3	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<1.06	<0.528	<0.528	<0.528	<0.528	<0.528	<163	<0.528	<0.528	<0.528	<69.8	<0.528	<0.528
Chloroform	µg/m3	<0.977	<0.977	4.07	<0.977	<0.977	<0.977	<0.977	<0.977	<1.95	<0.977	<0.977	<0.977	<0.977	<0.977	<337	<0.977	<0.977	<0.977	<64.8	<0.977	1.04
Chloromethane	µg/m3	1.06	1.20	0.413	1.06	0.413	1.06	0.413	1.06	<0.826	1.06	<0.826	1.06	<0.826	1.06	<117	1.06	0.413	1.06	<27.3	1.06	1.12
Cyclohexane	µg/m3	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<0.688	<1.38	<0.688	<0.688	<0.688	<0.688	<0.688	<212	<0.688	<0.688	<0.688	<45.4	<0.688	<0.688
Dibromochloromethane	µg/m3	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<3.41	<1.70	<1.70	<1.70	<1.70	<1.70	<526	<1.70	<1.70	<1.70	<112	<1.70	<1.70
1,2-Dichlorobenzene	µg/m3	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<2.40	<1.20	<1.20	<1.20	<1.20	<1.20	<371	<1.20	<1.20	<1.20	<79.4	<1.20	<1.20
1,3-Dichlorobenzene	µg/m3	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<2.40	<1.20	<1.20	<1.20	<1.20	<1.20	<371	<1.20	<1.20	<1.20	<79.4	<1.20	<1.20
1,4-Dichlorobenzene	µg/m3	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<2.40	<1.20	<1.20	<1.20	<1.20	<1.20	<371	<1.20	<1.20	<1.20	<79.4	<1.20	<1.20
1,1-Dichloroethane	µg/m3	<0.809	<0.809	9.19	<0.809	<0.809	<0.809	<0.809	<0.809	<1.62	<0.809	<0.809	<0.809	<0.809	<0.809	676	<0.809	9.19	<0.809	21.9	<0.809	<0.809
1,2-Dichloroethane	µg/m3	<0.809	<0.809	<0.809	<0.809	<0.809	<0.809	<0.809	<0.809	<1.62	<0.809	<0.809	<0.809	<0.809	<0.809	<250	<0.809	<0.809	<0.809	<53.4	<0.809	<0.809
1,2-Dichloropropane	µg/m3	<0.079	0.289	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	0.718	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079
cis-1,3-Dichloropropene	µg/m3	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<1.85	<0.924	<0.924	<0.924	<0.924	<0.924	<285	<0.924	<0.924	<0.924	<61.0	<0.924	<0.924
1,4-Dioxane	µg/m3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.82	<0.908	<0.908	<0.908	<0.908	<0.908	<284	<0.908	<0.908	<0.908	<59.9	<0.908	<0.908
Ethanol	µg/m3	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<1.44	<0.721	<0.721	<0.721	<0.721	<0.721	<222	<0.721	<0.721	<0.721	<47.6	<0.721	<0.721
Ethyl acetate	µg/m3	<9.42	25.6	317	39.2	4.07	<9.42	211	17.4	384	14.7	245	113	258	116	<2,900	80.8	373	72.5	<622	36.7	38.6
Ethyl benzene	µg/m3	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<1.80	<3.60	<1.80	<1.80	<1.80	<1.80	<1.80	<555	<1.80	<1.80	<1.80	<119	<1.80	<1.80
Ethylene dibromide	µg/m3	<0.869	<0.869	<0.869	<0.869	<0.869	<0.869	<0.869	<0.869	<1.74	<0.869	<0.869	<0.869	<0.869	<0.869	<268	<0.869	<0.869	<0.869	<57.1	<0.869	<0.869
4-Ethyltoluene	µg/m3	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<3.08	<1.54	<1.54	<1.54	<1.54	<1.54	<474	<1.54	<1.54	<1.54	<101	<1.54	<1.54
Freon 11	µg/m3	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<1.97	<0.983	<0.983	<0.983	<0.983	<0.983	<303	<0.983	<0.983	<0.983	<64.9	<0.983	<0.983
Freon 113	µg/m3	<1.12	2.28	2.68	<1.12	<1.12	<1.12	<1.12	<1.12	<2.25	<1.12	<1.12	<1.12	<1.12	<1.12	1.343	1.343	1.343	1.343	4.79	<74.2	1.343
Freon 114	µg/m3	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<3.06	<1.53	<1.53	<1.53	<1.53	<1.53	1.830	1.830	1.830	1.830	<15.3	<15.3	<15.3
Freon 12	µg/m3	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<2.80	<1.40	<1.40	<1.40	<1.40	<1.40	<431	<1.40	<1.40	<1.40	<93.3	<1.40	<1.40
Heptane	µg/m3	2.18	3.64	1.940	2.32	251	1.84	13.8	2.13	2.02	2.22	2.32	2.24	10.5	2.32	811	2.45	7.220	2.31	181	2.25	2.56
Hexachlorobutadiene	µg/m3	<0.213	<0.213	<0.213	<0.213	<0.213	<0.213	<0.213	<0.213	<0.427	<0.213	<0.213	<0.213	<0.213	<0.213	<668	<0.213	<0.213	<0.213	<54.1	<0.213	<0.213
Hexane	µg/m3	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	<1.41	<0.705	<0.705	<0.705	<0.705	<0.705	<217	<0.705	<0.705	<0.705	<1.22	<0.705	<0.705
2-Hexanone	µg/m3	<0.820	<0.820	<0.820	<0.820</																	

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

µg/m³ = micrograms per cubic meter
 All analyses performed by Alpha Analytical Westborough.
 FD = Field Duplicate Sample
 N = Normal Environmental Sample
 All analyses performed by Alpha Analytical Westborough.
 AA = Ambient air sample
 IA = Indoor air sample
 SS = Sub-slab sample

Table 4-4
First Round Post-Mitigation Sampling Results
GW Lisk Clifton Springs Facility
Clifton Springs, New York

	Location ID	VI-02-SS	VI-03-1A	VI-03-1A	VI-03-SS	VI-04-1A	VI-04-SS
	Sample Date	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19	20-Mar-19
Analyte	Sample Type	N	N	FD	N	N	N
VOCs, select ion monitoring (SIM)							
Carbon tetrachloride	µg/m ³	< 1.26	0.503	0.591	< 165	0.547	< 108
1,1-Dichloroethene	µg/m ³	< 0.793	< 0.079	< 0.079	4,160	< 0.079	2,130
cis-1,2-Dichloroethene	µg/m ³	4.08	< 0.079	< 0.079	642	< 0.079	975
trans-1,2-Dichloroethene	µg/m ³	8.48	3.12	3.35	< 104	4.72	< 68.2
trans-1,3-Dichloropropene	µg/m ³	< 0.908	< 0.908	< 0.908	< 119	< 0.908	< 78.1
Tetrachloroethene	µg/m ³	149	0.285	0.285	1,190	0.604	516
1,1,1-Trichloroethane	µg/m ³	153	0.191	0.196	7,470	0.295	7,800
Trichloroethene	µg/m ³	252	0.871	1.03	49,800	3.15	17,500
1,2,4-Trimethylbenzene	µg/m ³	1.73	2.32	2.90	< 129	33.2	< 84.6
Vinyl chloride	µg/m ³	< 0.511	< 0.051	< 0.051	< 67.0	< 0.051	< 44.0
VOCs							
Acetone	µg/m ³	13.6	11.8	12.7	< 311	29.2	< 304
Allyl chloride	µg/m ³	< 0.626	< 0.626	< 0.626	< 82.0	< 0.626	< 53.8
Benzene	µg/m ³	0.687	< 0.639	< 0.639	< 83.7	< 0.639	< 54.9
Benzyl chloride	µg/m ³	< 1.04	< 1.04	< 1.04	< 136	< 1.04	< 89.1
Bromodichloromethane	µg/m ³	< 1.34	< 1.34	< 1.34	< 176	< 1.34	< 115
Bromodiform	µg/m ³	< 2.07	< 2.07	< 2.07	< 271	< 2.07	< 178
Bromomethane	µg/m ³	< 0.777	< 0.777	< 0.777	< 102	< 0.777	< 66.8
1,3-Butadiene	µg/m ³	< 0.442	< 0.442	< 0.442	< 58.0	< 0.442	< 38.1
2-Butanone	µg/m ³	3.01	1.78	1.96	< 193	6.31	< 127
Carbon disulfide	µg/m ³	6.60	1.74	10.2	< 81.6	< 0.623	< 53.6
Chlorobenzene	µg/m ³	< 0.921	< 0.921	< 0.921	< 121	< 0.921	< 79.2
Chloroethane	µg/m ³	< 0.528	< 0.528	< 0.528	< 69.1	< 0.528	< 45.4
Chloroform	µg/m ³	2.77	< 0.977	< 0.977	140	< 0.977	< 84.0
Chloromethane	µg/m ³	< 0.413	1.04	1.07	< 54.1	1.02	< 35.5
Cyclohexane	µg/m ³	< 0.688	< 0.688	< 0.688	< 90.2	< 0.688	< 59.2
Dibromochloromethane	µg/m ³	< 1.70	< 1.70	< 1.70	< 223	< 1.70	< 147
1,2-Dichlorobenzene	µg/m ³	< 1.20	< 1.20	< 1.20	< 158	< 1.20	< 103
1,3-Dichlorobenzene	µg/m ³	< 1.20	< 1.20	< 1.20	< 158	< 1.20	< 103
1,4-Dichlorobenzene	µg/m ³	< 1.20	< 1.20	< 1.20	< 158	< 1.20	< 103
1,1-Dichloroethane	µg/m ³	< 0.809	< 0.809	< 0.809	745	< 0.809	275
1,2-Dichloroethane	µg/m ³	< 0.809	< 0.809	< 0.809	< 106	< 0.809	< 69.6
1,2-Dichloroethene	µg/m ³	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 79.5
1,2-Dichloropropane	µg/m ³	< 0.924	< 0.924	< 0.924	< 121	< 0.924	< 79.5
cis-1,3-Dichloropropene	µg/m ³	< 0.908	< 0.908	< 0.908	< 119	< 0.908	< 78.1
1,4-Dioxane	µg/m ³	< 0.721	< 0.721	< 0.721	< 94.4	< 0.721	< 62.0
Ethanol	µg/m ³	247	106	113	< 1,230	48.4	< 810
Ethyl acetate	µg/m ³	< 1.80	< 1.80	< 1.80	< 236	< 1.80	< 155
Ethylbenzene	µg/m ³	< 0.869	< 0.869	< 0.869	< 114	< 0.869	< 74.7
Ethylene dibromide	µg/m ³	< 1.54	< 1.54	< 1.54	< 201	< 1.54	< 132
4-Ethyltoluene	µg/m ³	< 0.983	< 0.983	< 0.983	< 129	3.60	< 84.6
Freon 11	µg/m ³	1.20	1.83	1.84	< 147	2.55	< 96.7
Freon 113	µg/m ³	39.6	< 1.53	< 1.53	50,300	< 1.53	99,600
Freon 114	µg/m ³	< 1.40	< 1.40	< 1.40	< 183	< 1.40	< 120
Freon 12	µg/m ³	1.89	2.37	2.22	347	2.12	447
Heptane	µg/m ³	< 0.820	< 0.820	< 0.820	< 107	< 0.820	< 70.5
Hexachlorobutadiene	µg/m ³	< 2.13	< 2.13	< 2.13	< 279	< 2.13	< 183
n-Hexane	µg/m ³	1.08	< 0.705	< 0.705	< 92.3	< 0.705	< 60.6
2-Hexanone	µg/m ³	0.836	< 0.820	< 0.820	< 107	< 0.820	< 70.5
Isopropyl alcohol	µg/m ³	47.4	137	149	< 161	305	< 106
Methyl tert-butyl ether	µg/m ³	< 0.721	< 0.721	< 0.721	< 94.5	< 0.721	< 62.0
Methylene chloride	µg/m ³	2.31	< 1.74	< 1.74	< 227	< 1.74	< 149
4-Methyl-2-pentanone	µg/m ³	< 2.05	< 2.05	< 2.05	< 268	< 2.05	< 176
Styrene	µg/m ³	< 0.852	< 0.852	< 0.852	< 112	< 0.852	< 73.2
tert-Butyl alcohol	µg/m ³	3.40	< 1.52	< 1.52	< 198	< 1.52	< 130
1,1,2,2-Tetrachloroethane	µg/m ³	< 1.37	< 1.37	< 1.37	< 180	< 1.37	< 118
Tetrahydrofuran	µg/m ³	1.57	< 1.47	1.91	< 193	< 1.47	< 127
Toluene	µg/m ³	1.73	1.34	1.33	< 98.7	0.833	< 64.8
1,2,4-Trichlorobenzene	µg/m ³	< 1.48	< 1.48	< 1.48	< 194	< 1.48	< 128
1,1,2-Trichloroethane	µg/m ³	< 1.09	< 1.09	< 1.09	< 143	< 1.09	< 93.8
1,3,5-Trimethylbenzene	µg/m ³	< 0.983	< 0.983	1.08	< 129	15.9	< 84.6
2,2,4-Trimethylpentane	µg/m ³	< 0.934	2.37	2.53	< 122	< 0.934	< 80.3
Vinyl bromide	µg/m ³	< 0.874	< 0.874	< 0.874	< 115	< 0.874	< 75.2
m+p-Xylenes	µg/m ³	< 1.74	< 1.74	< 1.74	< 228	3.78	< 149
o-Xylene	µg/m ³	< 0.869	< 0.869	< 0.869	< 114	2.19	< 74.7

Notes:
 < = Compound not detected at concentrations above the laboratory reporting c
 Empty cells = Not analyzed
 µg/m³ = micrograms per cubic meter
 All analyses performed by Alpha Analytical Westborough.
 FD = Field Duplicate Sample
 N = Normal Environmental Sample
 All analyses performed by Alpha Analytical Westborough.
 AA = Ambient air sample
 IA = Indoor air sample
 SS = Sub-slab sample

Table 4-5
Second Round Post-Mitigation Sampling Results Summary Table
GW Lisk - 2 South Street Facility
Clifton Springs, New York

Analyte	Location ID Sample Media Sample Date Sample Type Unit	AA Outdoor 8/7/2019 N	VI-04-1A Indoor 8/7/2019 N	IA-BLDG-7B-1 Indoor 8/7/2019 N	IA-BLDG-7B-2 Indoor 8/7/2019 N	IA-BLDG-7B-2 Indoor 8/7/2019 FD
VOCs, select ion monitoring (SIM)						
Carbon tetrachloride	ug/ m3	0.390	0.321	0.434	0.365	0.365
1,1-Dichloroethene	ug/ m3	< 0.079	< 0.079	0.186	< 0.079	< 0.079
cis-1,2-Dichloroethene	ug/ m3	< 0.079	< 0.079	1.00	0.099	0.091
trans-1,2-Dichloroethene	ug/ m3	< 0.793	5.39	1,320	40.0	42.4
trans-1,3-Dichloropropene	ug/ m3	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
Tetrachloroethene	ug/ m3	< 0.136	1.53	1.05	1.66	1.64
1,1,1-Trichloroethane	ug/ m3	< 0.109	0.322	0.311	0.447	0.420
Trichloroethene	ug/ m3	< 0.107	6.18	2.88	7.74	7.42
Vinyl chloride	ug/ m3	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051
VOCs						
Acetone	ug/ m3	5.99	330	58.4	72.7	75.1
Allyl chloride	ug/ m3	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	ug/ m3	< 0.639	0.869	< 0.639	< 0.639	< 0.639
Benzyl chloride	ug/ m3	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	ug/ m3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	ug/ m3	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
1,3-Butadiene	ug/ m3	< 0.442	1.66	< 0.442	1.53	1.57
2-Butanone	ug/ m3	< 1.47	6.19	6.78	7.67	6.90
Carbon disulfide	ug/ m3	< 0.623	< 0.623	1.61	< 0.623	< 0.623
Chlorobenzene	ug/ m3	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921
Chloroethane	ug/ m3	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	ug/ m3	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977
Cyclohexane	ug/ m3	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688
Dibromochloromethane	ug/ m3	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dichlorobenzene	ug/ m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	ug/ m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	ug/ m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
Dichlorodifluoromethane (Freon 12)	ug/ m3	2.18	2.03	2.42	2.24	2.53
1,1-Dichloroethane	ug/ m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloroethane	ug/ m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloroethene	ug/ m3	< 0.793	5.39	1,320	40.0	42.4
1,2-Dichloropropene	ug/ m3	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
1,3-Dichloropropene	ug/ m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
cis-1,3-Dichloropropene	ug/ m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	ug/ m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	ug/ m3	< 9.42	224	89.5	85.4	86.7
Ethyl acetate	ug/ m3	< 1.80	< 1.80	< 1.80	< 1.80	< 1.80
Ethylbenzene	ug/ m3	< 0.869	< 0.869	6.52	< 0.869	< 0.869
Ethylene dibromide	ug/ m3	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
4-Ethyltoluene	ug/ m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Heptane	ug/ m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

ug/ m3 = micrograms per cubic meter

AA = Ambient air sample

IA = Indoor air sample

N = Normal environmental sample

FD = Field duplicate sample

Hexachlorobutadiene	ug/ m3	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13
n-Hexane	ug/ m3	< 0.705	0.846	2.41	1.18	1.14
2-Hexanone	ug/ m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820
Isopropyl alcohol	ug/ m3	< 1.23	153	2,010	408	398

Analyte	Location ID	AA	VI-04-IA	IA-BLDG-7B-1	IA-BLDG-7B-2	IA-BLDG-7B-2
	Sample Media	Outdoor	Indoor	Indoor	Indoor	Indoor
	Sample Date	8/7/2019	8/7/2019	8/7/2019	8/7/2019	8/7/2019
	Sample Type	N	N	N	N	FD
Unit						
<i>VOCs, select ion monitoring (SIM)</i>						
Methyl bromide	ug/ m3	< 0.777	2.72	< 0.777	3.29	3.37
Methyl chloride	ug/ m3	0.921	1.06	1.18	1.12	0.960
Methyl tert-butyl ether	ug/ m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Methylene chloride	ug/ m3	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74
4-Methyl-2-pentanone	ug/ m3	< 2.05	< 2.05	2.37	< 2.05	< 2.05
Styrene	ug/ m3	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852
tert-Butyl alcohol	ug/ m3	< 1.52	< 1.52	< 1.52	< 1.52	< 1.52
1,1,2,2-Tetrachloroethane	ug/ m3	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ug/ m3	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Tetrahydrofuran	ug/ m3	1.72	< 1.47	< 1.47	< 1.47	< 1.47
Toluene	ug/ m3	< 0.754	4.79	6.26	2.33	1.91
1,2,4-Trichlorobenzene	ug/ m3	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48
1,1,2-Trichloroethane	ug/ m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichlorofluoromethane (Freon 11)	ug/ m3	< 1.12	6.63	6.29	6.41	6.86
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	ug/ m3	< 1.53	< 1.53	< 1.53	1.58	< 1.53
1,2,4-Trimethylbenzene	ug/ m3	< 0.983	1.82	1.64	2.36	2.17
1,3,5-Trimethylbenzene	ug/ m3	< 0.983	< 0.983	< 0.983	1.07	< 0.983
2,2,4-Trimethylpentane	ug/ m3	< 0.934	< 0.934	< 0.934	1.16	1.15
Vinyl bromide	ug/ m3	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874
m,p-Xylenes	ug/ m3	< 1.74	2.05	23.7	2.97	2.38
o-Xylene	ug/ m3	< 0.869	< 0.869	6.78	1.13	0.890
Xylene, Total	ug/ m3	< 0.869	2.05	30.4	4.10	3.27

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

µg/ m3 = micrograms per cubic meter

AA = Ambient air sample

IA = Indoor air sample

N = Normal environmental sample

FD = Field duplicate sample



Table 4-6
Aerosol Sampling Results Summary Table
GW Lisk - 2 South Street Facility
Clifton Springs, New York

	Location ID	NOVEC-01	G3-01	G3-02
	Sample Date	1/28/2020	1/28/2020	1/28/2020
Analyte	Sample Type	N	N	N
Unit				
VOCs, select ion monitoring (SIM)				
Carbon tetrachloride	ug/m3	< 3,150	< 3,150	< 2,620
1,1-Dichloroethene	ug/m3	< 2,020	< 2,020	< 1,690
cis-1,2-Dichloroethene	ug/m3	7,930	3,570	2,640
trans-1,2-Dichloroethene	ug/m3	5,630,000	4,120,000	3,670,000
trans-1,3-Dichloropropene	ug/m3	< 2,270	< 2,270	< 1,890
Tetrachloroethene	ug/m3	3,390	< 3,390	< 2,830
1,1,1-Trichloroethane	ug/m3	< 2730	< 2,730	< 2,280
Trichloroethene	ug/m3	9,240	3,220	< 2,240
Vinyl chloride	ug/m3	< 1,280	< 1,280	< 1,070
VOCs				
Acetone	ug/m3	< 15,700	< 15,700	< 13,100
Allyl chloride	ug/m3	< 7,990	< 7,990	< 6,640
Benzene	ug/m3	< 25,900	< 25,900	< 21,600
Benzyl chloride	ug/m3	< 3,350	< 3,350	< 2,790
Bromodichloromethane	ug/m3	< 5,170	< 5,170	< 4,310
Bromoform	ug/m3	< 15,600	< 15,600	< 13,000
1,3-Butadiene	ug/m3	< 3,010	< 3,010	< 2,510
2-Butanone	ug/m3	< 20,500	< 20,500	< 17,100
Carbon disulfide	ug/m3	< 11,500	< 11,500	< 9,580
Chlorobenzene	ug/m3	< 6,600	< 6,600	< 5,490
Chloroethane	ug/m3	< 2,440	< 2,440	< 2,040
Chloroform	ug/m3	< 2,270	< 2,270	< 1,890
Cyclohexane	ug/m3	< 4,260	< 4,260	< 3,550
Dibromochloromethane	ug/m3	< 24,700	< 24,700	< 20,600
1,2-Dichlorobenzene	ug/m3	< 3,010	< 3,010	< 2,510
1,3-Dichlorobenzene	ug/m3	< 2,270	< 2,270	< 1,890
1,4-Dichlorobenzene	ug/m3	< 9,010	< 9,010	< 7,500
Dichlorodifluoromethane (Freon 12)	ug/m3	< 236,000	268,000	230,000
1,1-Dichloroethane	ug/m3	< 1,980	< 1,980	< 1,650
1,2-Dichloroethane	ug/m3	< 2,020	< 2,020	< 1,690
1,2-Dichloroethene	ug/m3	< 2,310	< 2,310	< 1,930
1,2-Dichloropropane	ug/m3	< 2,460	< 2,460	< 2,050
1,3-Dichloropropene	ug/m3	< 3,010	< 3,010	< 2,510
cis-1,3-Dichloropropene	ug/m3	< 17,200	< 17,200	< 14,400
1,4-Dioxane	ug/m3	< 23,400	< 23,400	< 19,500
Ethanol	ug/m3	< 45,000	< 45,000	< 37,500
Ethyl acetate	ug/m3	< 2,170	< 2,170	< 1,810
Ethylbenzene	ug/m3	< 3,840	< 3,840	< 3,200
Ethylene dibromide	ug/m3	< 20,500	< 20,500	< 17,100
4-Ethyltoluene	ug/m3	< 51,200	< 51,200	< 42,600

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is :
Units are in ug/m3 = micrograms per cubic meter



	Location ID	NOVEC-01	G3-01	G3-02
	Sample Date	1/28/2020	1/28/2020	1/28/2020
	Sample Type	N	N	N
Analyte	Unit			
VOCs, select ion monitoring (SIM)				
N = Normal environmental sample				
All analyses performed by Alpha Analytical Westborough.				
Heptane	ug/m3	< 13,300	< 13,300	< 11,100
Hexachlorobutadiene	ug/m3	58,000	< 30,700	< 25,600
n-Hexane	ug/m3	< 17,600	< 17,600	< 14,700
2-Hexanone	ug/m3	< 2,460	< 2,460	< 2,050
Isopropyl alcohol	ug/m3	< 4,340	< 4,340	< 3,620
Methyl bromide	ug/m3	< 10,300	< 10,300	< 8,610
Methyl chloride	ug/m3	< 18,000	< 18,000	< 15,000
Methyl tert-butyl ether	ug/m3	< 43,400	< 43,400	< 36,100
Methylene chloride	ug/m3	< 6,550	< 6,550	< 5,450
4-Methyl-2-pentanone	ug/m3	< 59,400	< 59,400	< 49,400
Styrene	ug/m3	< 21,500	< 21,500	< 17,900
tert-Butyl alcohol	ug/m3	< 2,130	< 2,130	< 1,780
1,1,2,2-Tetrachloroethane	ug/m3	< 3,430	< 3,430	< 2,860
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ug/m3	< 8,740	< 8,740	< 7,270
Tetrahydrofuran	ug/m3	< 36,900	< 36,900	< 30,700
Toluene	ug/m3	< 4,710	< 4,710	< 3,920
1,2,4-Trichlorobenzene	ug/m3	< 9,280	< 9,280	< 7,720
1,1,2-Trichloroethane	ug/m3	< 2,730	< 2,730	< 2,280
Trichlorofluoromethane (Freon 11)	ug/m3	< 7,020	< 7,020	< 5,840
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	ug/m3	< 9,580	< 9,580	< 7,970
1,2,4-Trimethylbenzene	ug/m3	< 2,460	< 2,460	< 2,050
1,3,5-Trimethylbenzene	ug/m3	< 1,110	< 1,110	< 923
2,2,4-Trimethylpentane	ug/m3	< 36,900	< 36,900	< 30,700
Vinyl bromide	ug/m3	< 88,000	< 88,000	< 73,200
m,p-Xylenes	ug/m3	< 1,940	< 1,940	< 1,620
o-Xylene	ug/m3	< 2,170	< 2,170	< 1,810
Xylene, Total	ug/m3	< 21,900	< 21,900	< 18,200

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is :

Units are in ug/m3 = micrograms per cubic meter

N = Normal environmental sample

All analyses performed by Alpha Analytical Westborough.



Table 4-7
Third Round Post-Mitigation Sampling Results Summary Table
GW Lisk - 2 South Street Facility
Clifton Springs, New York

Analyte	Location ID Sample Media Sample Date Sample Type Unit	AA Outdoor 2/27/2020 N	VI-04-IA Sub-Slab 2/27/2020 N	IA-BLDG-7B-1 Indoor 2/27/2020 N	IA-BLDG-7B-2 Indoor 2/27/2020 N	IA-BLDG-7B-2 Indoor 2/27/2020 FD
VOCs, select ion monitoring (SIM)						
Carbon tetrachloride	ug/m3	0.321	0.346	0.384	0.346	0.346
1,1-Dichloroethene	ug/m3	< 0.079	0.111	0.155	0.103	0.091
cis-1,2-Dichloroethene	ug/m3	< 0.079	0.091	1.61	0.242	0.194
trans-1,2-Dichloroethene	ug/m3	< 0.793	3.04	987	66.2	65
trans-1,3-Dichloropropene	ug/m3	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
Tetrachloroethene	ug/m3	< 0.136	2	1.33	2.08	1.99
1,1,1-Trichloroethane	ug/m3	< 0.109	0.704	0.376	0.644	0.6
Trichloroethene	ug/m3	< 0.107	9.19	3.86	9.83	9.73
1,2,4-Trimethylbenzene	ug/m3	< 0.983	2.78	1.66	2.01	1.86
Vinyl chloride	ug/m3	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051
VOCs						
Acetone	ug/m3	4.18	16.6	50.8	18.1	17.1
Allyl chloride	ug/m3	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	ug/m3	< 0.639	0.725	0.7	0.728	0.725
Benzyl chloride	ug/m3	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	ug/m3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	ug/m3	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07
1,3-Butadiene	ug/m3	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442
2-Butanone	ug/m3	< 1.47	2.93	2.31	2.93	2.76
Carbon disulfide	ug/m3	< 0.623	< 0.623	0.775	< 0.623	< 0.623
Chlorobenzene	ug/m3	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921
Chloroethane	ug/m3	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	ug/m3	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977
Cyclohexane	ug/m3	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688
Dibromochloromethane	ug/m3	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dichlorobenzene	ug/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	ug/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	ug/m3	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
Dichlorodifluoromethane (Freon 12)	ug/m3	1.94	1.77	2.45	1.73	1.67
1,1-Dichloroethane	ug/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloroethane	ug/m3	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809
1,2-Dichloropropane	ug/m3	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	ug/m3	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	ug/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	ug/m3	< 9.42	72.5	132	88.4	91.4
Ethyl acetate	ug/m3	< 1.80	< 1.80	4.36	< 1.80	< 1.80
Ethylbenzene	ug/m3	< 0.869	< 0.869	26.4	1.97	1.93
Ethylene dibromide	ug/m3	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
4-Ethyltoluene	ug/m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Heptane	ug/m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820
Hexachlorobutadiene	ug/m3	< 2.13	< 2.13	< 2.13	< 2.13	< 2.13
n-Hexane	ug/m3	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705
2-Hexanone	ug/m3	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820
Isopropyl alcohol	ug/m3	5.09	160	3,200	467	442

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

µg/m3 = micrograms per cubic meter

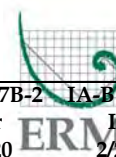
AA = Ambient air sample

IA = Indoor air sample

N = Normal environmental sample

FD = Field duplicate sample

Methyl bromide	ug/m3	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777
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	Location ID	AA	VI-04-IA	IA-BLDG-7B-1	IA-BLDG-7B-2	IA-BLDG-7B-2
	Sample Media	Outdoor	Sub-Slab	Indoor	Indoor	Indoor
	Sample Date	2/27/2020	2/27/2020	2/27/2020	2/27/2020	2/27/2020
	Sample Type	N	N	N	N	FD
Analyte	Unit					
<i>VOCs, select ion monitoring (SIM)</i>						
Methyl chloride	ug/m3	1.12	0.904	1.23	0.907	0.913
Methyl tert-butyl ether	ug/m3	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Methylene chloride	ug/m3	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74
4-Methyl-2-pentanone	ug/m3	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05
Styrene	ug/m3	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852
tert-Butyl alcohol	ug/m3	< 1.52	< 1.52	< 1.52	< 1.52	< 1.52
1,1,2,2-Tetrachloroethane	ug/m3	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ug/m3	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Tetrahydrofuran	ug/m3	< 1.47	2.04	< 1.47	< 1.47	< 1.47
Toluene	ug/m3	< 0.754	1.71	2.21	1.87	1.85
1,2,4-Trichlorobenzene	ug/m3	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48
1,1,2-Trichloroethane	ug/m3	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichlorofluoromethane (Freon 11)	ug/m3	< 1.12	1.71	2.42	1.55	1.52
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	ug/m3	< 1.53	3.2	2.21	3.24	3.21
1,3,5-Trimethylbenzene	ug/m3	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
2,2,4-Trimethylpentane	ug/m3	< 0.934	1.07	< 0.934	1.25	1.27
Vinyl bromide	ug/m3	< 0.874	< 0.874	< 0.874	< 0.874	< 0.874
o-Xylene	ug/m3	< 0.869	1.09	25.8	2.26	2.19
m,p-Xylenes	ug/m3	< 1.74	2.45	96.9	7.21	6.95

Notes:

< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.

ug/m3 = micrograms per cubic meter

AA = Ambient air sample

IA = Indoor air sample

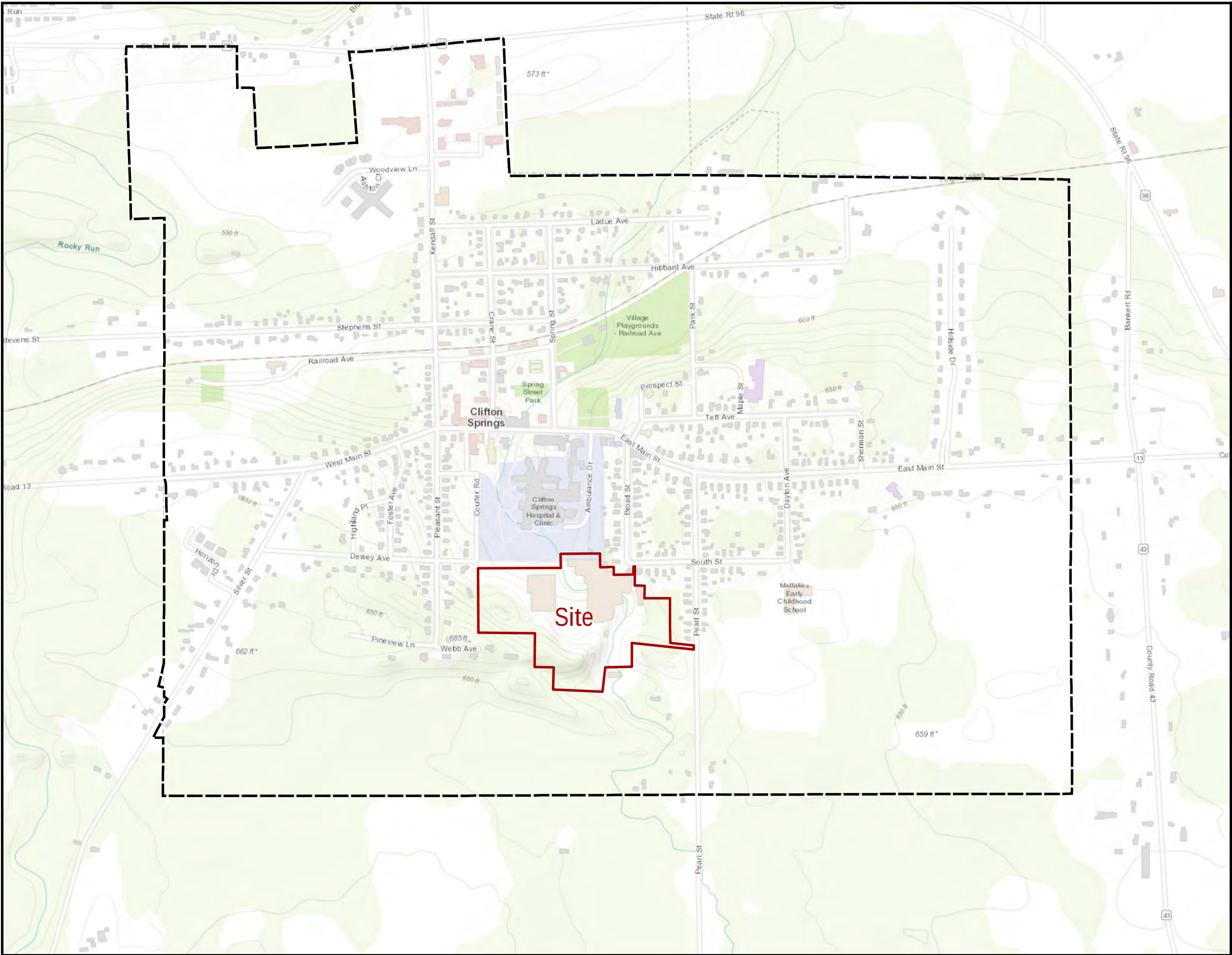
N = Normal environmental sample

FD = Field duplicate sample

Table 4-8
SVI IRM Milestones
GW Lisk - 2 South Street Facility
Clifton Springs, New York

Milestone	Date*
DEC/DOH Approval of SVI IRM Work Plan	24-May-18
Initiate Pre-Design SVI Sampling	7-Aug-18
Meeting with DEC/DOH to review Pre-Characterization SVI Sampling Results	6-Sep-18
Initiate Second Round of Pre-Design SVI Sampling	15-Oct-18
Submit Draft Revised SVI IRM Work Plan	31-Dec-18
Receive Comments on Draft Revised SVI IRM Work Plan	4-Feb-19
Submit Draft Final Revised SVI IRM Work Plan	13-Feb-19
DEC/DOH Approval of Draft Final Revised SVI IRM Work Plan	14-Feb-19
Initiate SVI IRM Construction Work	4-Mar-19
Complete Post Mitigation Sampling	20-Mar-19
Increased Air Flow to Buildings 7A and 7B	May-19
Re-inspection of joints between the wall and floor of Buildings 7A and 7B and additional sealing in these areas	19-May-19
Inspection of Building 7B elevator shaft and perform sealing	21-Jun-19
Additional Inspection of Sealed Areas	25-Jun-19
Perform additional sealing in Buildings 6, 6A, 7A, and 7B	2-Jul-19
Complete Additional Post-Mitigation Sampling	8-Aug-19
Propose additional mitigation work in Building 7B Elevator Shaft and additional sampling	15-Nov-19
DEC/DOH approval of proposed additional mitigation work in Building 7B	21-Nov-19
Perform additional mitigation of Building 7B Elevator Shaft	25-Jan-20
Collect Aerosol Product Samples	28-Jan-20
Complete Additional Post-Mitigation Sampling	28-Feb-20
Submit Draft Construction Completion Report to DEC/DOH	10-Jul-20
Submit Draft Interim Site Management Plan to DEC/DOH	—-Jul-20

FIGURES



Legend

-  Site Property Boundary
-  Village of Clifton Springs

Figure 1-1: Site Location Map
G.W. Lisk
2 South Street, Clifton Springs, NY



Soil Vapor Matrix:		A				B			C
Analyte:		Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	Carbon Tetrachloride	Tetrachloroethene	1,1,1-Trichloroethane	Methylene chloride	Vinyl Chloride
Location ID	Unit:	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
VI-02-SS		499	ND	ND	ND	318	214	30.4	ND
VI-03-SS		90,300	864	5,470	ND	4,610	7,910	ND	ND
VI-04-SS		51,100	1,190	3,010	ND	3,850	11,000	ND	ND



Legend

VOC Composition - Compounds of Concern

- Displayed VOC ratios are relative to the listed compounds only.
- Trichloroethene
- Tetrachloroethene
- 1,1,1-TCA
- cis-1,2 Dichloroethene
- 1,1 Dichloroethene
- Air Guidance Value Exceedance
- No Exceedance
- Collocated Sample Point
- Property Parcel Boundary
- Facility Outline
- Surface Stream
- Inferred Stream Path

NOTES:

- IA = Indoor air sample
- SS = Sub-slab sample
- VOC = Volatile Organic Compound
- ND = Non-detect
- µg/m³ = micrograms per cubic meter
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

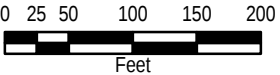
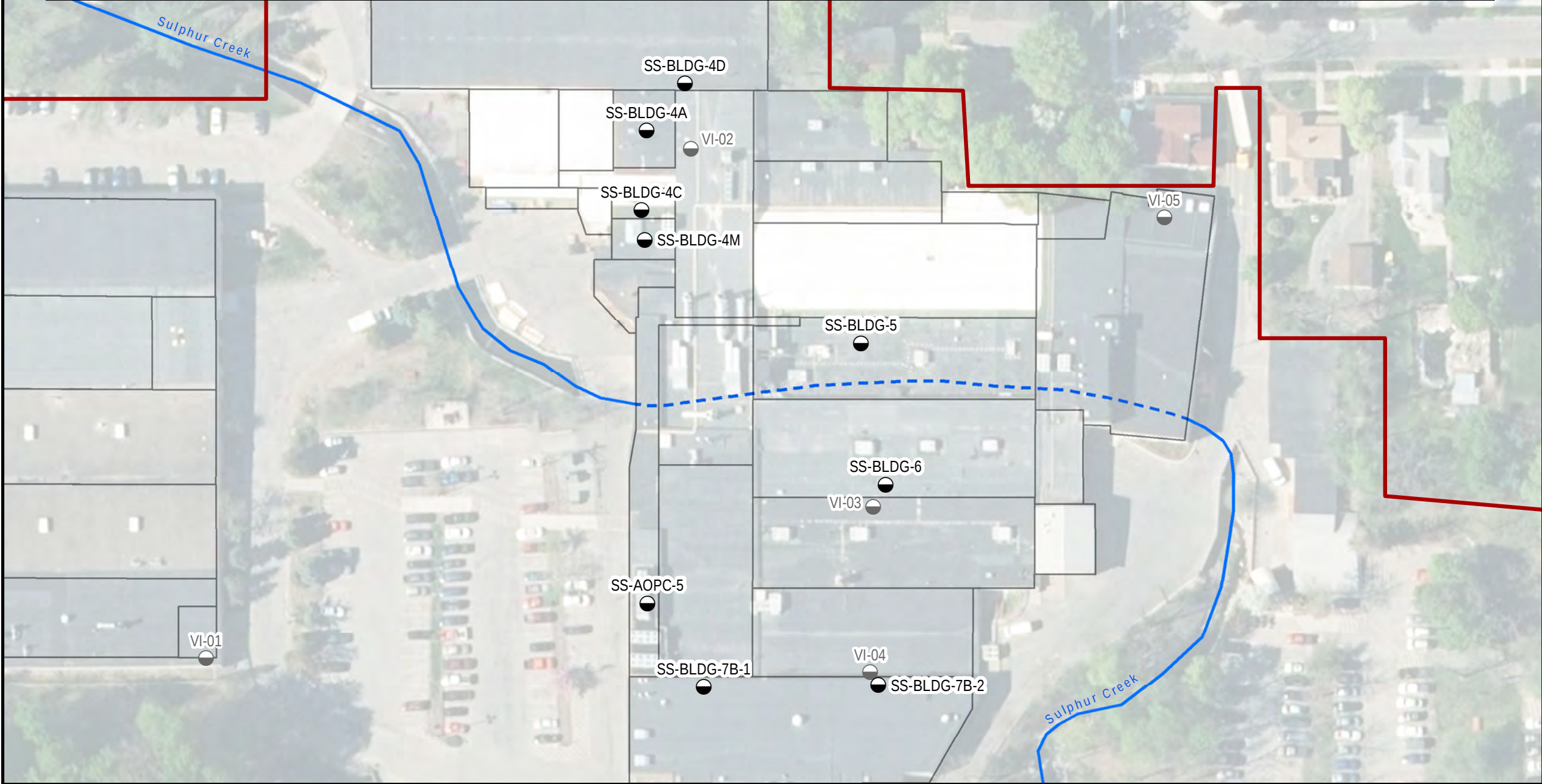


Figure 1-2: Facility Plan with SC SVI Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY



DOH Decision Matrix:		A					B			C
Analyte:		Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Carbon Tetrachloride	Tetrachloroethene	1,1,1-Trichloroethane	Methylene Chloride	Vinyl Chloride
Location ID	Unit:	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
VI-01-SS		ND	ND	ND	60.3	ND	ND	ND	12	ND
VI-02-SS		499	ND	ND	ND	ND	318	214	30	ND
VI-03-SS		90,300	864	5,470	ND	ND	4,640	7,910	ND	ND
VI-04-SS		51,100	1,190	3,010	ND	ND	3,850	11,000	ND	ND
VI-05-SS		40	ND	ND	ND	ND	ND	ND	ND	ND
SS-AOPC-5		881	256	3.96	44.4	6.29	1,840	119	8.69	2.56
SS-BLDG-4A		32.5	3.96	4	3.96	6.29	23	13	8.86	2.56
SS-BLDG-4C		76.3	1.59	2	1.59	2.52	83	2.2	3.47	1.02
SS-BLDG-4D		6.5	0.793	1	0.793	1.26	2	1	1.74	0.511
SS-BLDG-4M		ND	ND	ND	ND	ND	ND	ND	ND	ND
SS-BLDG-5		61.8	ND	ND	ND	ND	ND	46	ND	2.91
SS-BLDG-6		143,000	1,560	3,860	97.1	72.3	7,930	13,400	100	29.4
SS-BLDG-7B-1		308	78.1	8	809	12.6	882	33	17.4	5.11
SS-BLDG-7B-2		56,400	967	346	121	113	8,410	4,670	156	45.8



Legend

- Site Characterization Indoor Air/Sub-Slab Soil Vapor Location
- Pre-Design Indoor Air/Sub-Slab Soil Vapor Location
- Property Parcel
- Facility Outline
- Surface
- Covered

NOTES:

- SS = Sub-slab sample
- ND = Non-detect
- µg/m³ = micrograms per cubic meter
- Sub-slab vapor locations were collected May 2017 and August 2018.
- Sample locations not shown were not sampled during these sample events.
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

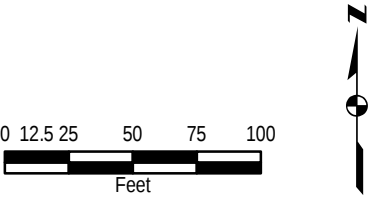
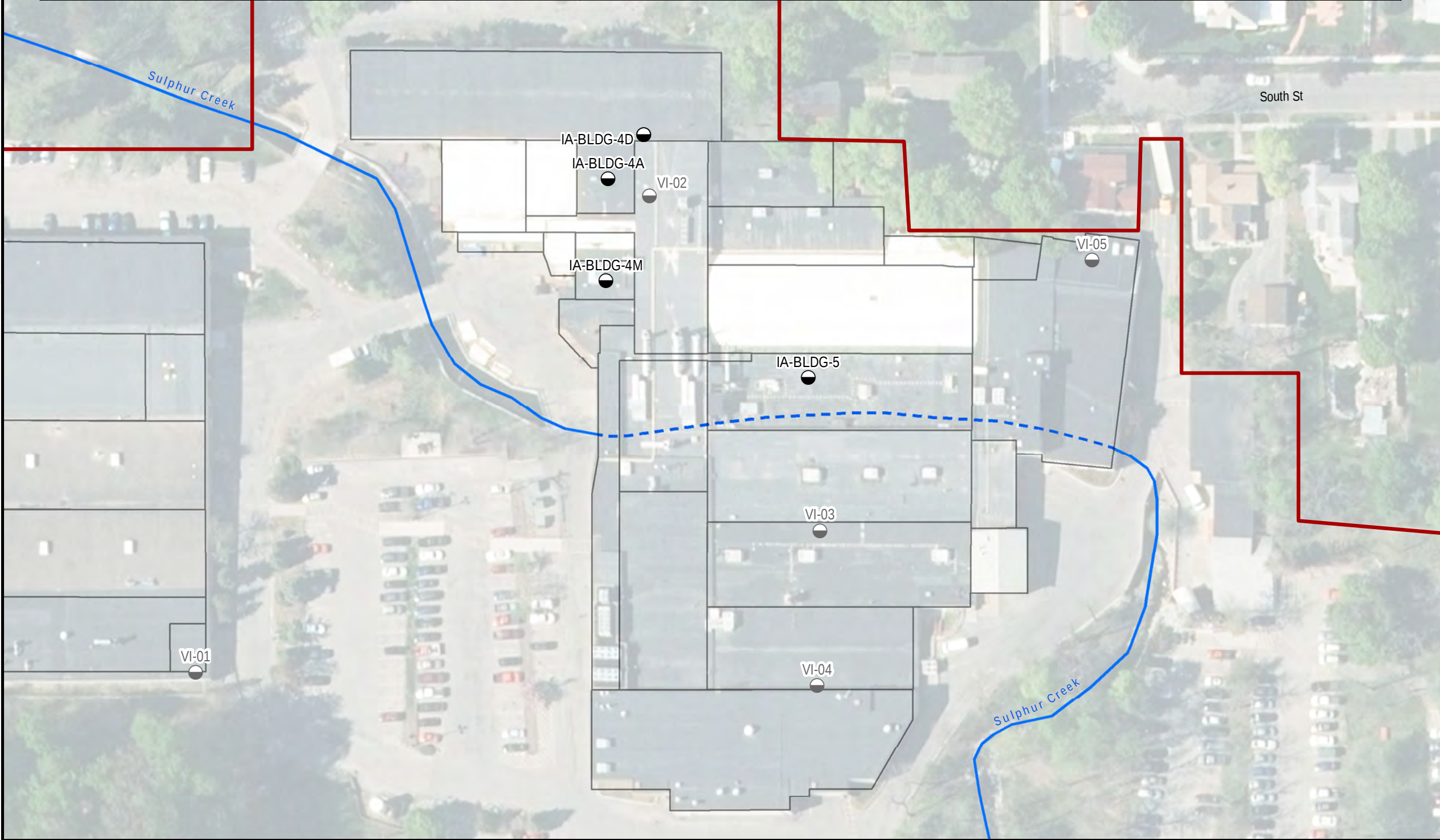


Figure 3-1A: Soil Vapor Pre-Mitigation Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY



DOH Decision Matrix:		A					B			C
Analyte:		Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Carbon Tetrachloride	Tetrachloroethene	1,1,1-Trichloroethane	Methylene Chloride	Vinyl Chloride
Location ID	Unit:	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
IA-BLDG-4A		0.876	ND	ND	1.83	0.421	ND	ND	26.8	ND
IA-BLDG-4D		ND	ND	ND	ND	0.415	ND	ND	ND	ND
IA-BLDG-4M		0.129	ND	ND	2.37	0.409	0.197	ND	ND	ND
IA-BLDG-5		0.666	ND	ND	1.43	0.421	0.292	0.186	ND	ND
VI-01-IA		0.306	0.079	ND	110	0.403	0.448	0.3	20	ND
VI-02-IA		0.161	ND	ND	ND	0.39	ND	ND	2.39	ND
VI-03-IA		2.86	0.131	ND	43.6	0.409	0.549	0.24	11.9	ND
VI-04-IA		7.2	0.119	0.119	51.5	0.447	1.81	0.589	19	ND
VI-05-IA		0.118	ND	ND	ND	0.384	ND	ND	6.74	ND



Legend

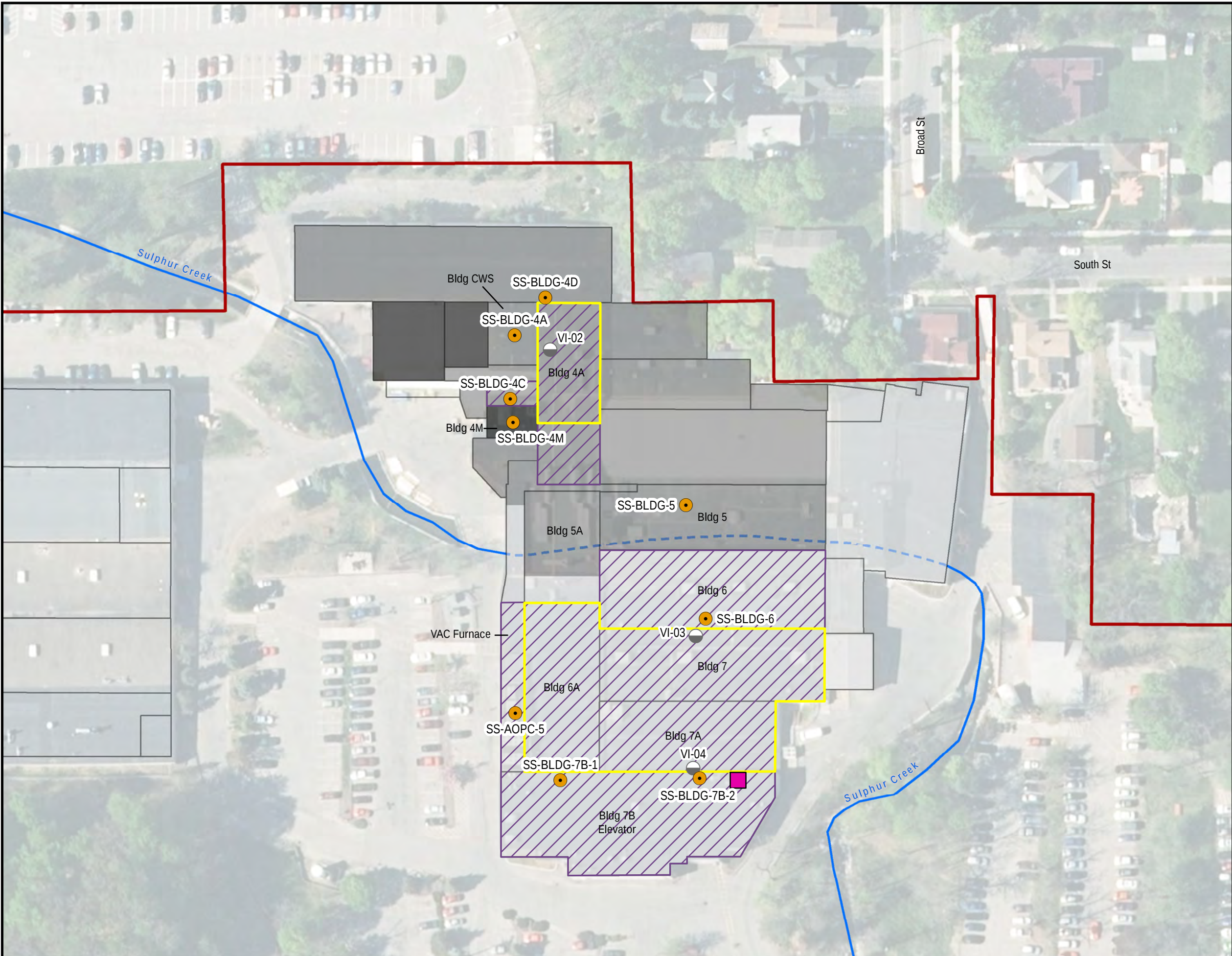
- Site Characterization Indoor Air/Sub-Slab Soil Vapor Location
- Pre-Design Indoor Air/Sub-Slab Soil Vapor Location
- Property Parcel Boundary
- Facility Outline
- Surface Stream
- Covered Stream

NOTES:

- IA = Indoor air sample
- ND = Non-detect
- µg/m³ = micrograms per cubic meter
- Indoor air samples collected on 10 May 2017 and 16 October 2018.
- Sample locations not shown were not sampled during these events.
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

Figure 3-1B: Indoor Air Pre-Mitigation Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY





- Legend**
- Supplemental IRM Sample Locations**
- Indoor Air/Sub-Slab Soil Vapor
- Site Characterization Sample Location**
- Indoor Air/Sub-Slab Soil Vapor
- Facility Foundation Levels**
- Level 1
 - Level 2
 - Level 3
- Other Features**
- Sealed Building Slab
 - Initial Proposed IRM Floor Sealing Area
 - Property Parcel Boundary
 - Facility Outline
 - Building 7B Elevator Shaft
 - Surface Stream
 - Inferred Stream Path

NOTES:

- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.
- Mitigation includes sealing of cracks and gaps in slab and perimeter.

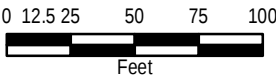


Figure 3-2: Extent of Mitigation Area and Sample Locations
G.W. Lisk
2 South Street, Clifton Springs, NY



DOH Decision Matrix:		A					B			C
Analyte:	Unit:	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Carbon Tetrachloride	Tetrachloroethene	1,1,1-Trichloroethane	Methylene Chloride	Vinyl Chloride
Location ID	Unit:	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
VI-02-SS		252	4.08	ND	8.48	ND	149	153	2.31	ND
VI-02-IA		0.177	ND	ND	9.56	0.528	ND	0.78	3.82	ND
VI-03-SS		49,800	642	4,160	ND	ND	1,190	7,470	ND	ND
VI-03-IA		0.871	ND	ND	3.12	0.503	0.285	0.191	ND	ND
VI-04-SS		17,500	975	2,130	ND	ND	516	7,800	ND	ND
VI-04-IA		3.15	ND	ND	4.72	0.547	0.604	0.295	ND	ND
SS-AOPC-5		124	39.4	ND	18	ND	61.5	24	ND	ND
IA-AOPC-5		0.881	0.289	ND	16.5	0.491	1.42	0.175	ND	ND
SS-BLDG-4A		10.6	ND	ND	9.52	ND	6.98	7.75	6.29	ND
IA-BLDG-4A		0.199	ND	ND	19	0.421	0.244	0.447	9.97	ND
SS-BLDG-4C		11.4	ND	ND	2.2	ND	3.69	ND	6.08	ND
IA-BLDG-4C		ND	ND	ND	3.25	0.415	ND	ND	ND	ND
SS-BLDG-4D		ND	ND	ND	ND	ND	ND	ND	9.48	ND
IA-BLDG-4D		ND	ND	ND	ND	0.365	ND	ND	ND	ND
SS-BLDG-4M		4.41	ND	ND	6.94	ND	1.52	2.31	1.97	ND
IA-BLDG-4M		0.14	ND	ND	11	0.522	0.149	ND	ND	ND
SS-BLDG-5		118	ND	ND	1.43	ND	6.49	84.6	1.78	ND
IA-BLDG-5		0.742	ND	ND	3.29	0.484	0.224	0.278	ND	ND
SS-BLDG-6		40,700	642	4,200	ND	ND	685	9,280	ND	ND
IA-BLDG-6		0.779	ND	ND	3.07	0.522	0.278	0.18	ND	ND
SS-BLDG-7B-1		440	135	ND	500	ND	163	120	2.93	ND
IA-BLDG-7B-1		1.05	0.718	ND	527	0.516	0.441	0.147	3.54	ND
SS-BLDG-7B-2		23,600	1,110	1,170	92	ND	1,710	4,460	ND	ND
IA-BLDG-7B-2		4.72	ND	ND	11.5	0.623	0.861	0.458	ND	ND
NOVEC-01		9,240	7,930	ND	5,630,000	ND	3,390	ND	ND	ND
G3-01		3,220	3,570	ND	4,120,000	ND	ND	ND	ND	ND
G3-02		ND	2,640	ND	3,670,000	ND	ND	ND	ND	ND

Sulphur Creek

South St

SS-BLDG-4D
SS-BLDG-4A
VI-02
SS-BLDG-4C
SS-BLDG-4M
SS-BLDG-5
SS-BLDG-6
VI-03
SS-AOPC-5
SS-BLDG-7B-1
VI-04
SS-BLDG-7B-2

Sulphur Creek



Legend

- Site Characterization Indoor Air/Sub-Slab Soil Vapor Location
- Pre-Design Indoor Air/Sub-Slab Soil Vapor Location
- Property Parcel Boundary
- Facility Outline
- Surface Stream
- Covered Stream

NOTES:
- SS = Sub-slab soil vapor sample
- IA = Indoor air sample
- ND = Non-detect
- µg/m³ = micrograms per cubic meter
- Indoor air samples collected on 19 March 2019.
- Aerosol product samples NOVEC-01, G3-01, and G3-02 collected on 28 January 2020.
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

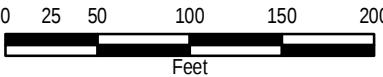
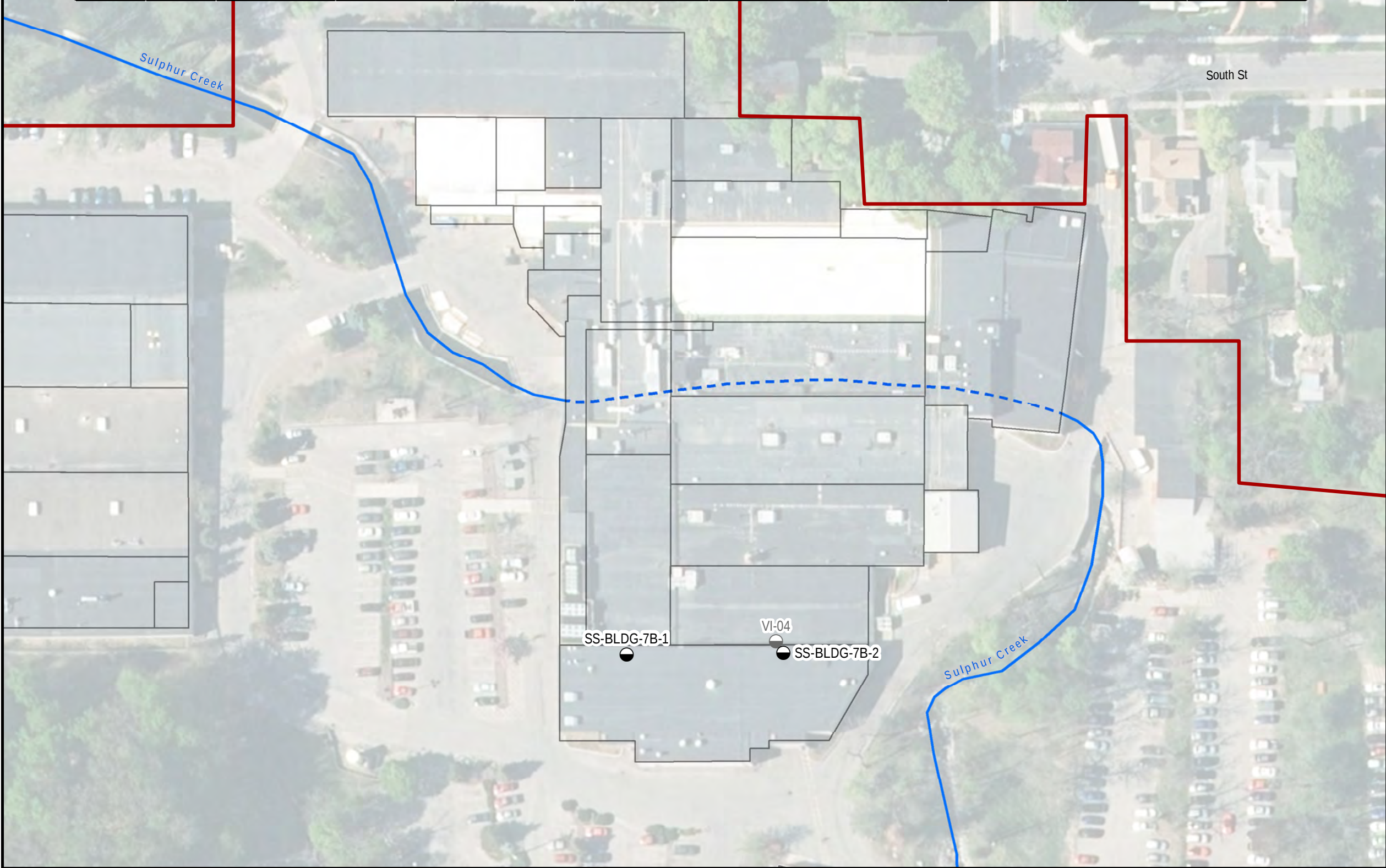


Figure 3-3: First Round Post-Mitigation Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY



DOH Decision Matrix:		A					B			C
Analyte:		Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethene	trans-1,2-Dichloroethene	Carbon Tetrachloride	Tetrachloroethene	1,1,1-Trichloroethane	Methylene Chloride	Vinyl Chloride
Location ID	Unit:	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
V-04-IA		6.18	ND	ND	5.39	0.321	1.53	0.322	1.06	ND
IA-BLDG-7B-1		2.88	1.0	0.186	1,320	0.434	1.05	0.311	1.18	ND
IA-BLDG-7B-2		7.74	0.099	ND	40.0	0.365	1.66	0.447	1.12	ND
NOVEC-01		9,240	7,930	ND	5,630,000	ND	3,390	ND	ND	ND
G3-01		3,220	3,570	ND	4,120,000	ND	ND	ND	ND	ND
G3-02		ND	2,640	ND	3,670,000	ND	ND	ND	ND	ND



- Legend
- Site Characterization Indoor Air/Sub-Slab Soil Vapor Location
 - Pre-Design Indoor Air/Sub-Slab Soil Vapor Location
 - Property Parcel Boundary
 - Facility Outline
 - Surface Stream
 - Covered Stream

NOTES:

- IA = Indoor air sample
- ND = Non-detect
- µg/m³ = micrograms per cubic meter
- Indoor air samples collected on 6 August 2019.
- Aerosol product samples NOVEC-01, G3-01, and G3-02 collected on 28 January 2020.
- Sample locations not shown were not sampled during this sample event.
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

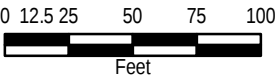
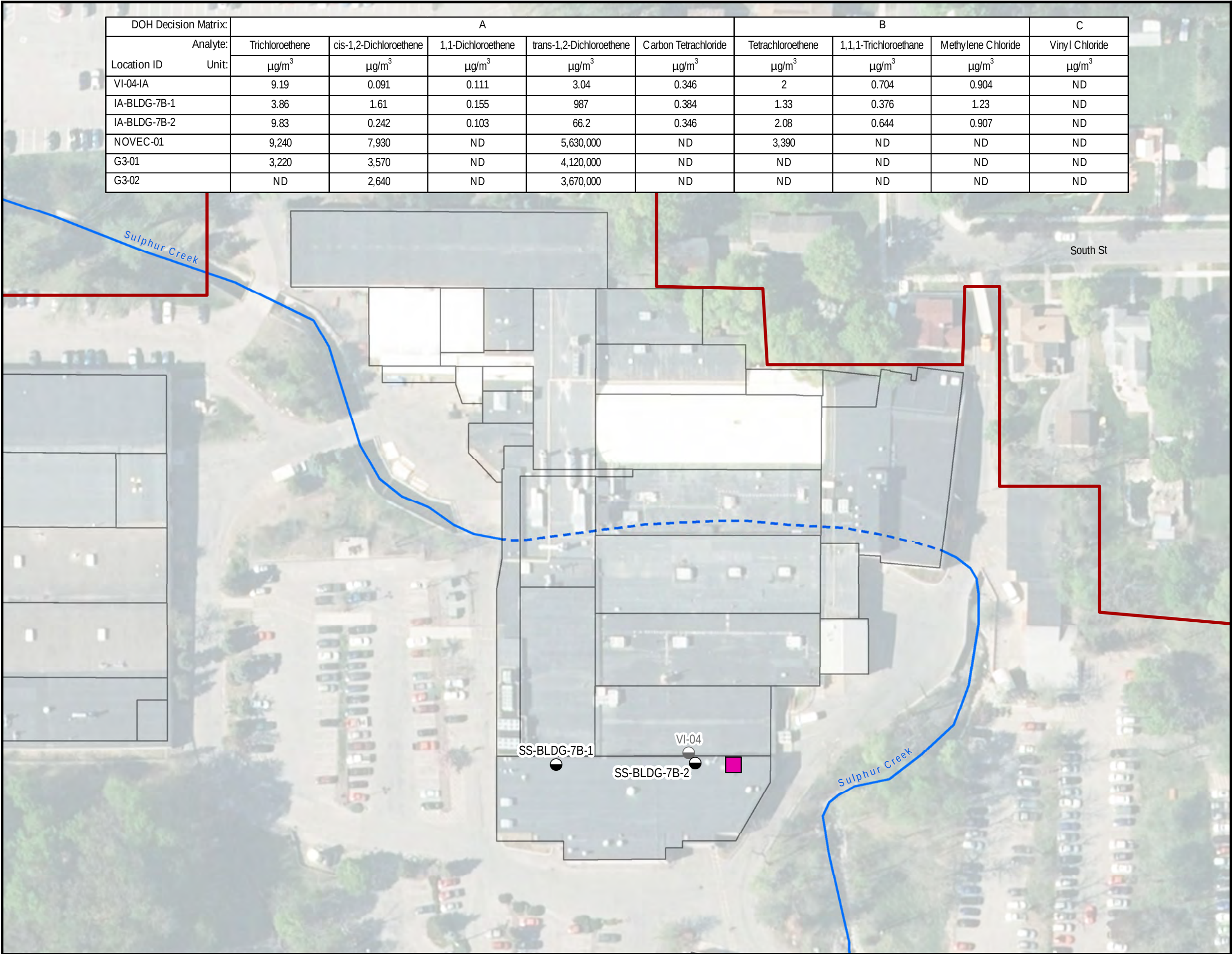


Figure 4-2: Second Round Post-Mitigation Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY





- Legend**
- Site Characterization Indoor Air/Sub-Slab Soil Vapor Location
 - Pre-Design Indoor Air/Sub-Slab Soil Vapor Location
 - Building 7B Elevator Shaft
 - Property Parcel
 - Facility Outline
 - Surface
 - Covered

NOTES:

- IA = Indoor air sample
- $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
- Indoor air samples collected on 26 February 2020.
- Aerosol product samples NOVEC-01, G3-01, and G3-02 collected on 28 January 2020.
- Sample locations not shown were not sampled during this sample event.
- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.

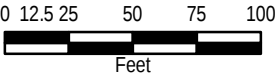
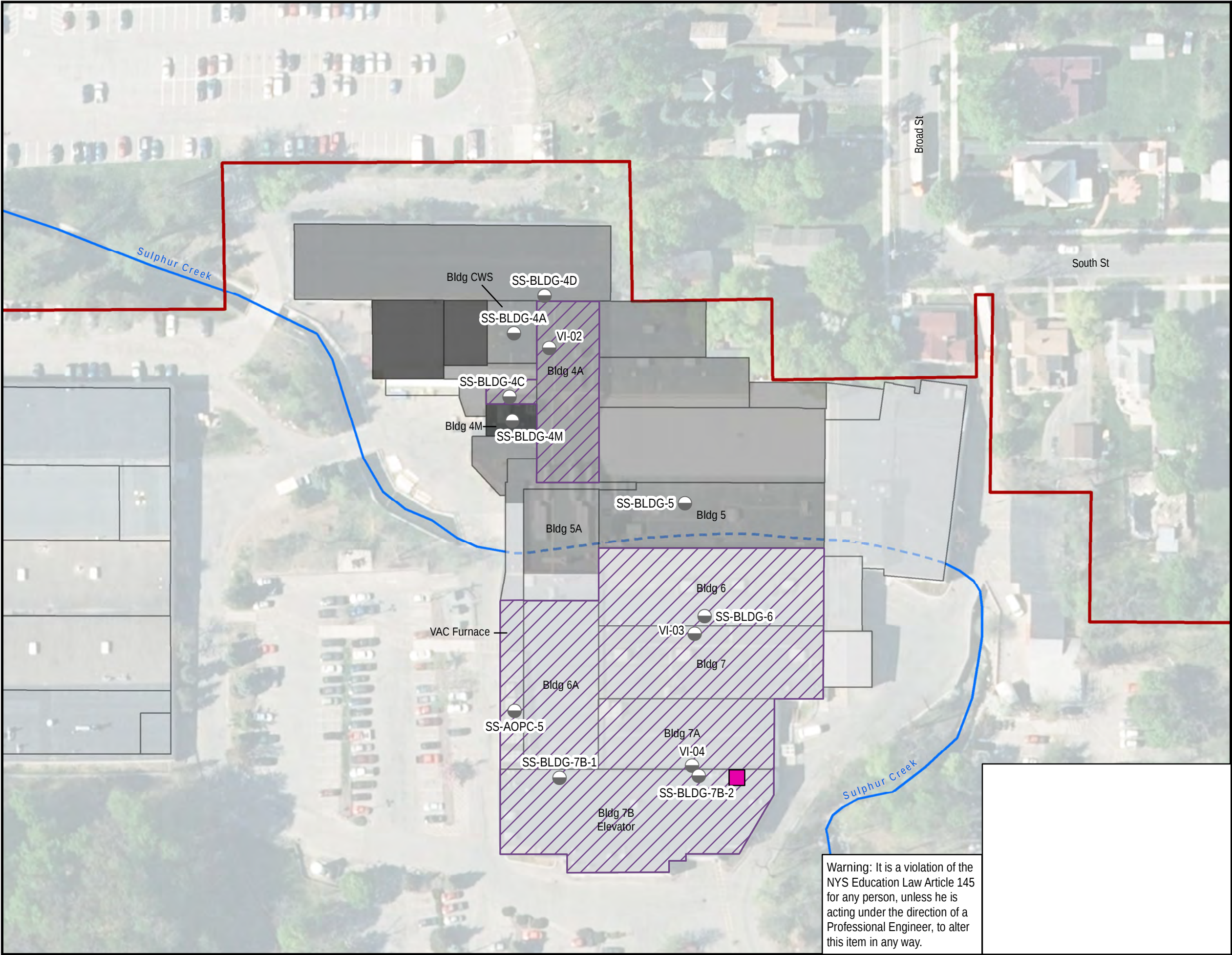


Figure 4-3: Third Round Post-Mitigation Sampling Results
G.W. Lisk
2 South Street, Clifton Springs, NY





- Legend
- In-Slab Sample Port
 - Engineering Controls
 - Sealed Building Slab
 - Facility Foundation Levels
 - Level 1
 - Level 2
 - Level 3
 - Property Parcel Boundary
 - Facility Outline
 - Building 7B Elevator Shaft
 - Surface Stream
 - Inferred Stream Path

NOTES:

- Facility room outlines are approximate in location and converted from AutoCAD models.
- Aerial imagery was captured in 2015 by New York State.
- Elevator shaft sealed below grade.

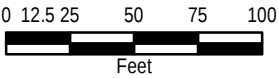


Figure 4-4		As Built Engineering Controls	
Prepared For		G. W. Lisk	
 ERM Consulting & Engineering, Inc.			
Drawn By	Scale	Date	Job Number
ORB	1:900	11 May 2020	0500166.05

Appendices

Appendix A
Structure Sampling
Questionnaires and Building
Inventory

March 2019



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-AOPC-5	UN3266	5 GAL	U	HALOGENATED COMPLEX, SODIUM HYDROXIDE	0.0	☐
	IWM 927	15 GAL	U	SODIUM MOLYBDATE, COBRATEC INHIBITOR, COMPLEX PHOSPHONATE, SODIUM HYDROXIDE, PROPRIETARY DISPERSANT	0.2	☐
	SERVISTAR SPRAY ENAMEL	10 OZ	U	UNKNOWN	0.0	☐
	API	11 OZ	U	PROPANE, ISOBUTANE, ACETONE, GLYCOL ETHER EB, GLYCOL ETHER PM	0.0	☐
	MICROCARE FLUX REMOVER C	10.5 OZ	U	DECAFLUOROPENTANE, TRANS-DICHLOROETHYLENE, PENTAFLUOROBUTANE, METHANOL, TETRAFLUOROETHANE	0.0	☐
	3M HIGH POWER BRAKE CLEAN 	14 OZ	U	ACETONE, SOLVENT NAPHTHA PETROLEUM, PROPANE, XYLENE, ETHYLBENZENE, TOLUENE, BENZENE	0.0	☐
	LPS PRESOLVE ORANGE DEGRE 	15 OZ	U	SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC, STODDARD SOLVENT, 3-METHOXY-3-METHYLBUTAN-1-OL, D-LIMONENE, 	0.0	☐
	PIPE THREAD SEALANT	1 PINT	U	UNKNOWN	0.0	☐
	OATLEY CLEAR CLEANER	32 OZ	U	METHYL ETHYL KETONE, ACETONE, CYCLOHEXANONE, TETRAHYDROFURAN,	0.0	☐
	CPVC PRIMER	1 QUART 	U	TETRAHYDROFURAN, METHYL ETHYL KETONE, ACETONE, CYCLOHEXANONE	0.0	☐
	MULTIPURPOSE LUBE OIL	4 OZ	U	UNKNOWN	0.0	☐
	INSULTATING FOAM SEALANT 	12 OZ	U	POLYMERIC DIISOCYANATE, POLYURETHANE PREPOLYMERS, ISOBUTANE, DIMETHYL ETHER, PROPANE	0.0	☐
	IWM 138	55 GAL	U	WATER, SODIUM NITRATE, BORAX, PROPRIETARY DISPERSANT	0.0	☐
	IWM 838	55 GAL	U	WATER, SODIUM NITRATE, BORAX, PROPRIETARY DISPERSANT	0.0	☐
	BORON NITRIDE AEROSOL SPR 	12 OZ	U	ACETONE, BORON NITRATE, ETHANOL, XYLENE, PROPANE, N-BUTANE	0.0	☐
	WYPALL WATERLESS CLEANING 		U	WATER, PPG-2 BUTHYL ETHER, C9-11 PARETH-6, SODIUM C14-16 OLEFIN SULFONATE, LIMONENE, SODIUM BENZOATE, PHENOXETHANOL, CITRIC 	0.0	☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - APOC - 5 (02)</u>	<u>GWL - IA - AOPC</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - APOC - 5</u>	<u>IA - APOC - 5</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>2846</u>	<u>590</u>	<u>609</u>		
Regulator ID:	<u>1119</u>	<u>01185</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 12:00</u>	<u>03/19/2019 12:00</u>	<u>03/19/2019 12:00</u>		
Vacuum Gauge Start:	<u>-29.73</u>	<u>-29.93</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 12:00</u>	<u>03/20/2019 12:00</u>	<u>03/20/2019 12:00</u>		
Vacuum Gauge End:	<u>-4.69</u>	<u>-6.55</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.7</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



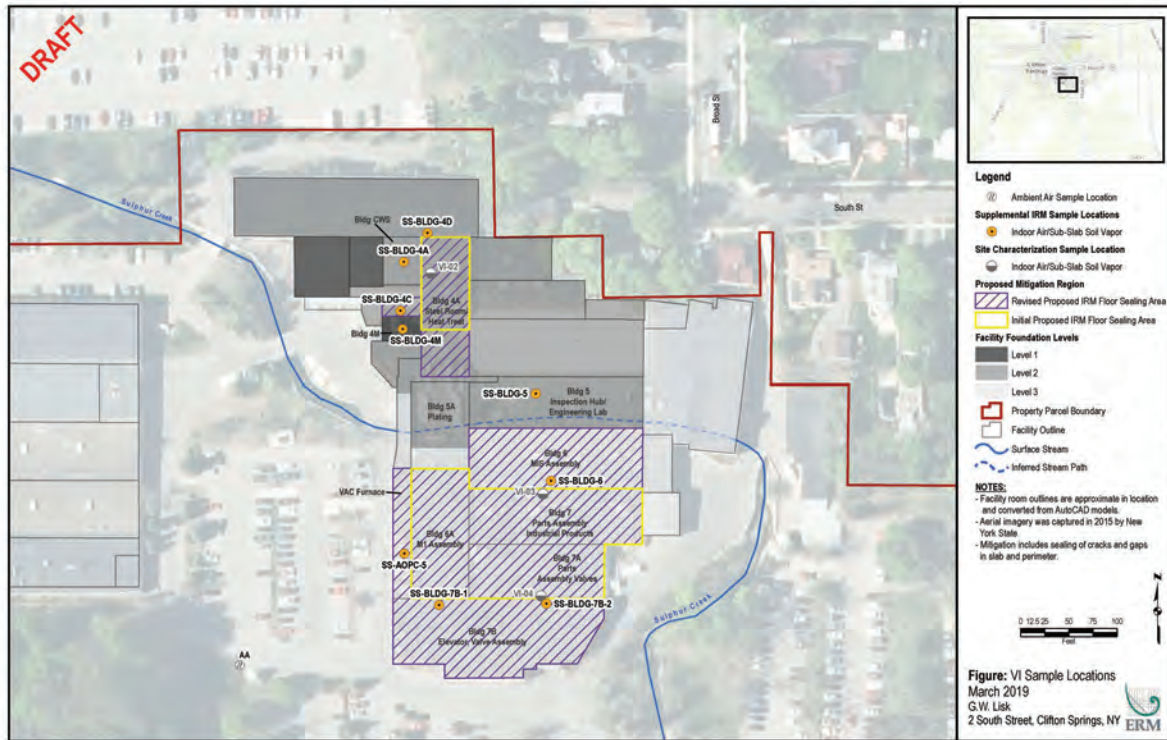
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 19, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4A	evap cleanout (water w/oil)		U	evap cleanout (water w/oil)		☐
	tin plating solution		U	tin plating solution		☐
	nyplex stripper		U	nyplex stripper		☐
	alkaline Zn/Ni carbonates	569 lbs	U	alkaline Zn/Ni carbonates		☐
	N-Propyl Bromide		U	N-Propyl Bromide		☐
	nickel strike pH adjustment		U	nickel strike pH adjustment		☐
	vandalloy 4200 working solutic +		U	vandalloy 4200 working solution		☐
	metex SCB A nickel stripper	200 lbs	U	metex SCB A nickel stripper		☐
	sodium acetate	50 lbs	U	sodium acetate		☐
	OxyChem	100 lbs	U	caustic potash anhydrous flake		☐
	Normex 328	400 lbs	U	enthone		☐
	caustic soda beads	500 lbs	U	sodium hydroxide solid		☐
	aqua ammonia 13 Be		U	ammonia solutions		☐
	enplate EN-806C	55 GL	U	nickel sulfate		☐
	zinc balls	250 lbs	U	zinc anode		☐
	filter cake	1134 kg	U	unknown		☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4A(</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA(0319</u>		
Location Code:	<u>SS - BLDG - 4A</u>	<u>IA - BLDG - 4A</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1706</u>	<u>2848</u>	<u>609</u>		
Regulator ID:	<u>01274</u>	<u>0011</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-29.85</u>	<u>-29.74</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 14:</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-4.74</u>	<u>-6.06</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



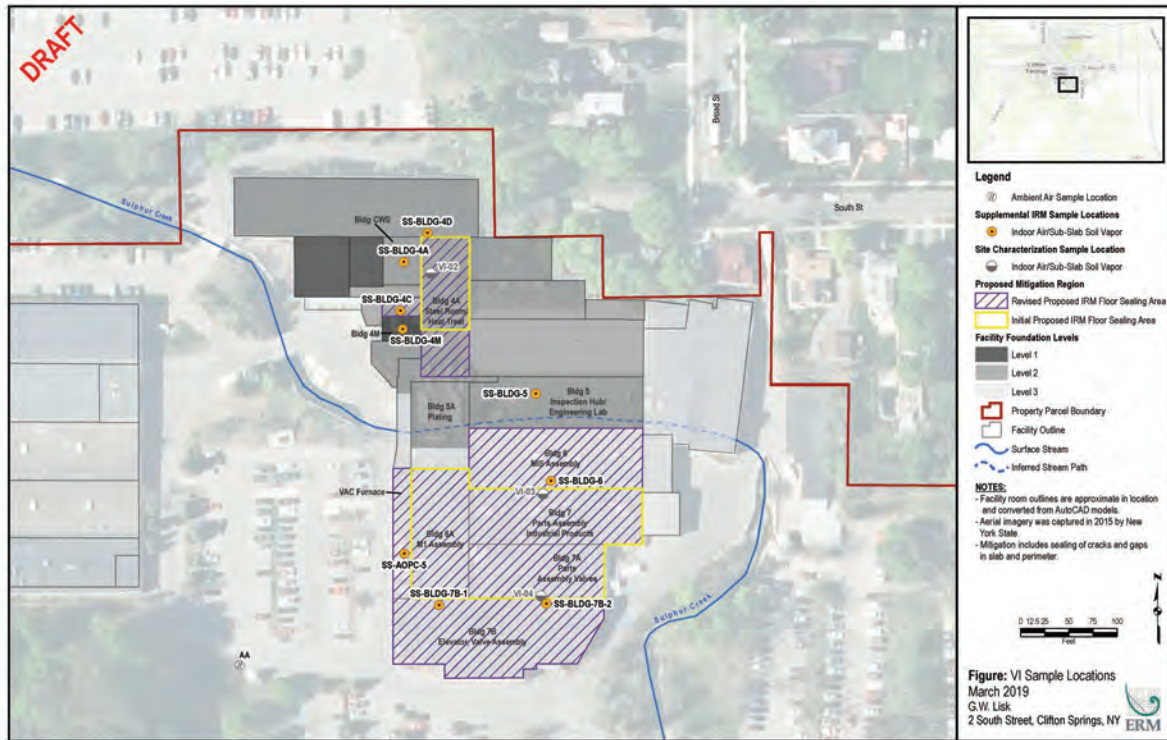
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 19, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4A	crimson chlor		U	sodium hypochlorite, inert ingredients,	0.0	☐
	sulfuric acid 93 %		U	sulfuric acid	0.0	☐
	muriatic acid		U	muriatic acid	0.0	☐
	chronic acid		U	chronic acid	0.4	☐
	iso propal soaked raes		U	iso propal soaked raes	0.0	☐
	isobrite 541		U	UNKOWN	0.0	☐
	rocheltex		U	UNKNOWN	0.0	☐
	perchloroethylene		U	perchloroethylene	0.0	☐
	additive wa	25 kg	U	UNKNOWN	0.0	☐
	tridur DB A	55 GL	U	CHRONIC CHLORIDE	0.0	☐
	metex pickle aid	55 GL	U	UNKNOWN	0.0	☐
	boric acid		U	boric acid	0.0	☐
	enthobrite CLZ-941B	55 GL	U	enthobrite CLZ-941B	0.0	☐
	Corrostrip 2 Mod.	55 GL	U	UNKNOWN	0.0	☐
	isobrite 408	55 GL	U	UNKNOWN	0.0	☐
	black magic infusion UN3266	55 GL	U	sodium hydroxide, sodium nitrate	0.0	☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☒ No Were there any elevated PID readings taken on site? ☐ Yes ☒ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.42 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4A(</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA(0319</u>		
Location Code:	<u>SS - BLDG - 4A</u>	<u>IA - BLDG - 4A</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1706</u>	<u>2848</u>	<u>609</u>		
Regulator ID:	<u>01274</u>	<u>0011</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-19.85</u>	<u>-29.74</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 14:</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-4.74</u>	<u>-6.06</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



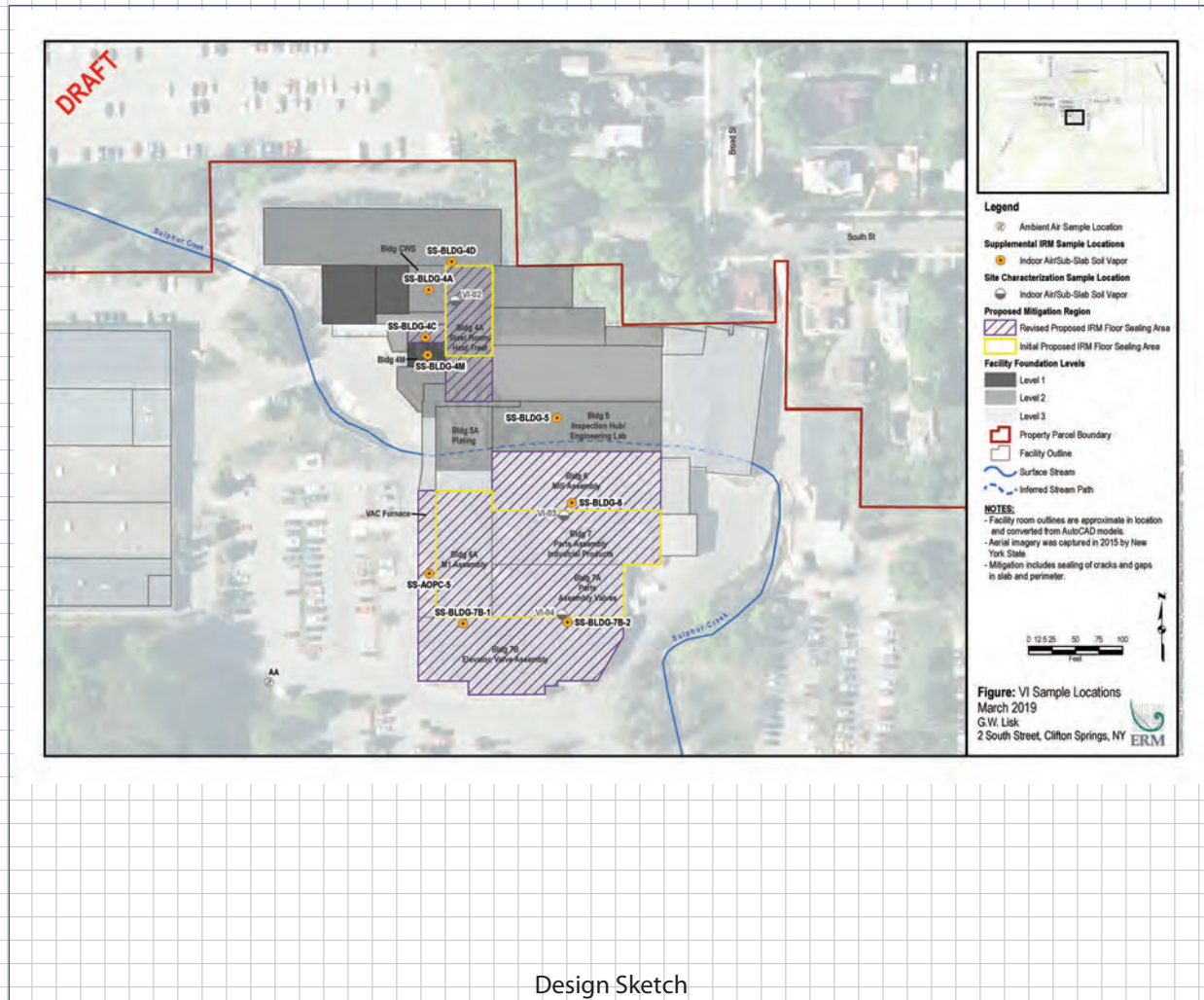
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 19, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4A	new dimensions siege	55 GL	U	unknown		☐
	Cadium balls	5 gal	U	unknown		☐
	tripass elv 1500 LT	55 GL	U	unknown		☐
	MI-PHOS M 5 UN1760	55 GL	U	phosphoric acid		☐
	DYNAPASS T AL	5 gal	U	chromium compounds, sulphuric acid, hydrofluorczironic acid		☐
	actane Q-533		U	unknown		☐
	acetic acid, glacial	5 gal	U	acetic acid		☐
	ferrous sulfate heptahydrate		U	ferrous sulfate heptahydrate		☐
	sodium nitrate	50 lbs	UO	sodium nitrate		☐
	SODIUM METASULFITE	50 lbs	U	SODIUM METASULFITE		☐
	polynucleolyte		U	unknown		☐
	enviralloy NI 12-15 Part A, B, C, 	5GL	U	unknown		☐
	ROGARD LUBE 200	5 GL	U	unknown		☐
	SODIUM DICHROMATE	640 gram 	U	SODIUM DICHROMATE		☐
	iridite 14-2	10 LB	U	unknown		☐
	KENVERT 418	5 GL	U	unknown		☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☒ No Were there any elevated PID readings taken on site? ☐ Yes ☒ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
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Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1706</u>	<u>2848</u>	<u>609</u>		
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Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
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Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



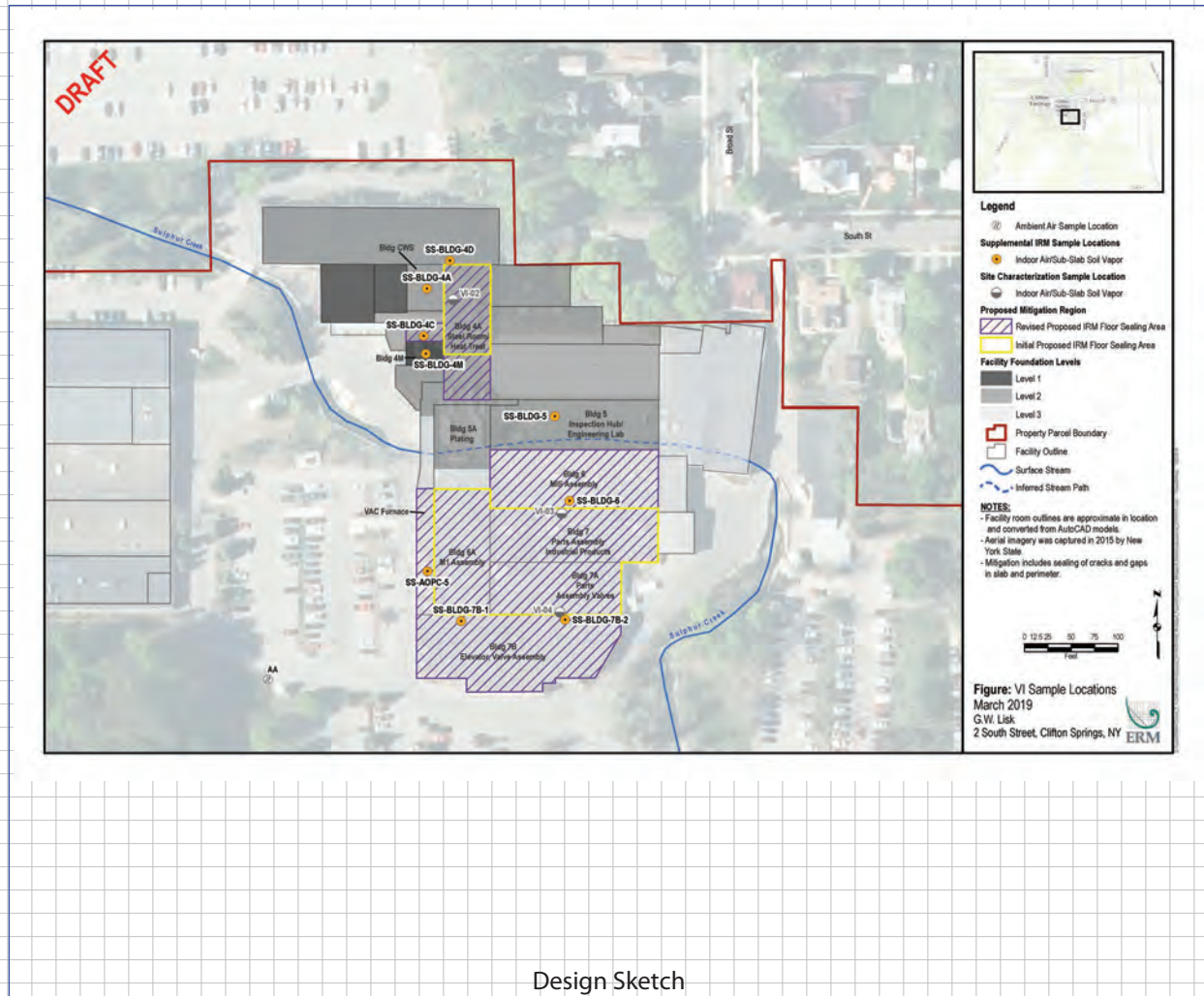
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

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| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 19, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4A	NON-CHLORINATED MOLD CLEANER 	12.25 OZ 	U	Sodium Hypochlorite, Surfactants		☐
	STAINLESS STEEL CLEANER	18 OZ	U	WATER, WHITE MINERAL OIL (PETROLEUM) , ISOBUTANE , SORBITAN OLEATE, ETHANOLAMINE		☐
	ELECTRONICS COMPRESSED-AIR 	10 OZ	U	UNKNOWN		☐
	ANTI-STATIC SPRAY	11.5 OZ	U	2-Propanol, Methyl Acetate, Light Aliphatic Hydrocarbon Solvent, Propane		☐
	BIODEGRADABLE CITRUS OLD 	12 OZ	U	UNKNOWN		☐
	CLOROX DISINFECTING SPRAY	19 OZ	U	ETHANOL, WATER, BUTANE, ISOBUTANE, PROPANE, ALKYL C12-16 Dimethylbenzyl Ammonium Chloride, Benzyl Salicylate, 		☐
	FRC FLUX REMOVER C		U	UNKNOWN		☐
	TINACTIN ANTIFUNGAL LIQUID 	5.3 OZ	U	Tolnaftate, Alcohol Denat (29% v/v), Butylated Hydroxytoluene, Isobutane, PPG-12-Buteth-16.		☐
	TECHSPRAY FLUX REMOVER	16 OZ	U	trans-dichloroethylene, 1,1,1,2 Tetrafluoroethane, ethanol, Carbon dioxide		☐
	SLIDER ZINC STEARATE RELEASE 	11.5 OZ	U	Dimethyl ether , 1,1 difluoroethane, Isopropyl alcohol , Zinc Stearate		☐
	BRAKE PARTS CLEANER	14 OZ	U	Acetone, Carbon dioxide , Toluene		☐
	GLYCERIN		U	GLYCERIN		☐
	PART B HARDENER	5.25 LBS	U	UNKNOWN		☐
	SYMPOXY 1960G		U	UNKNOWN		☐
	PREMIER WATER EMULSION SE 	5 GAL	U	METAL CROSSLINKED ACRYLIC COPOLYMER, AMMONIUM HYDROXIDE, ALKALI SOLUBLE RESIN, DIETHYLENE GLYCOL MONOETHYL ETHER, 		☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4A(</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA(0319</u>		
Location Code:	<u>SS - BLDG - 4A</u>	<u>IA - BLDG - 4A</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1706</u>	<u>2848</u>	<u>609</u>		
Regulator ID:	<u>01274</u>	<u>0011</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-29.85</u>	<u>-29.74</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 14:</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-4.74</u>	<u>-6.06</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



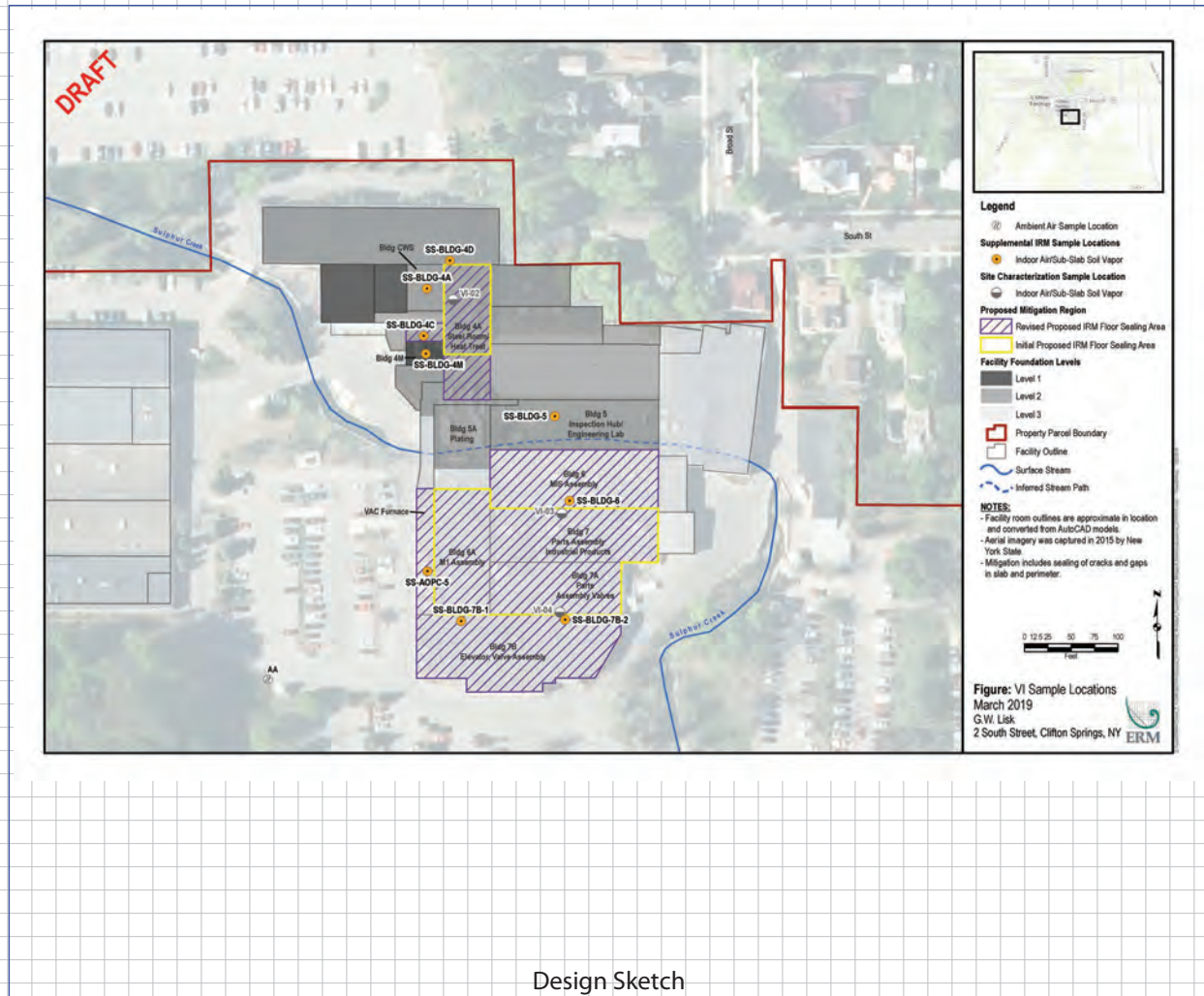
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 19, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4A	XIAMETER RVT-3010-S CATALY ⁺		U	UNKNOWN		☐
	LOCTITE STYCAST 2851MT BL	18 LBS	U	UNKNOWN		☐
	ETHONE 50-700R		U	UNKNOWN		☐
	ULTRA FLUX SILVER BROZING F ⁺	5 LBS	U	UNKNOWN		☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4A(</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA(0319</u>		
Location Code:	<u>SS - BLDG - 4A</u>	<u>IA - BLDG - 4A</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1706</u>	<u>2848</u>	<u>609</u>		
Regulator ID:	<u>01274</u>	<u>0011</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
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Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



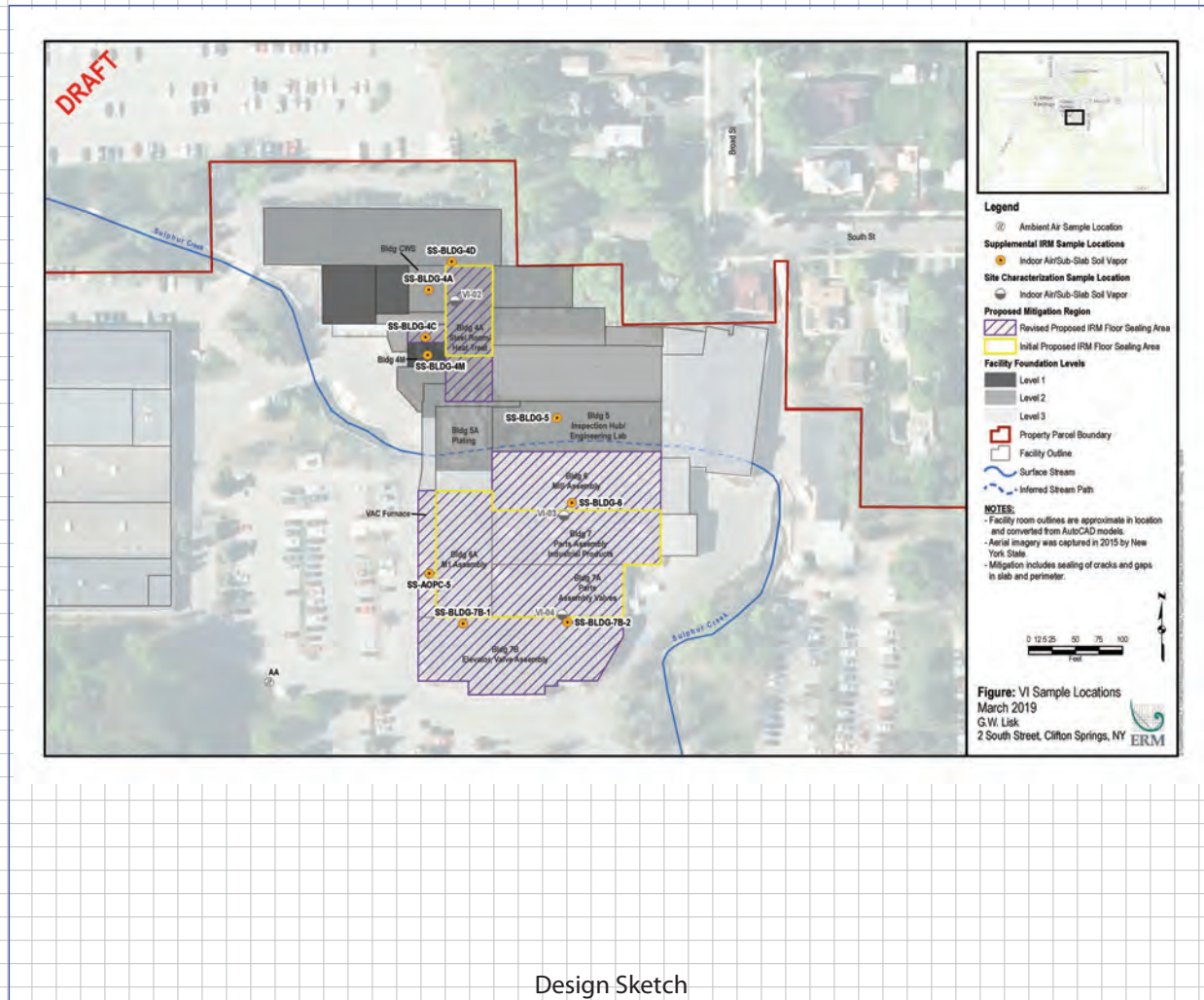
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
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 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4C	KRAMACO 1510	5 GAL	U	UNKNOWN	0.0	☐
	SPS RUST CHECK 1240	90 GAL	U	UNKNOWN	7.4	☐
	DONDERITE C-IC 7005	100 GAL	U	DONDERITE C-IC 7005, WATER	0.0	☐
	RS-DESCALER	100 GAL	U	RS-DESCALER	0.0	☐
	NEW DIMENSION SIEGE	120 GAL	U	NEW DIMENSION SIEGE, WATER	0.0	☐
	140 MINERAL SPIRITS	120 GAL	U	140 MINERAL SPIRITS	0.2	☐
	NOCOCUT L1	55 GAL	U	UNKNOWN	0.0	☐
	AMLUBE AW R&O HYD. OIL 46	55GAL	U	UNKNOWN	0.0	☐
	AMLUBE AW R&O HYDRAULIC : +	55 GAL	U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL-SS-Bldg-4C</u>	<u>GWL-IA-BLDG</u>	<u>GWL-AA(0319)</u>		
Location Code:	<u>SS-BLDG-4C</u>	<u>IA-BLDG-4C</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1688</u>	<u>767</u>	<u>609</u>		
Regulator ID:	<u>01269</u>	<u>0845</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>		
Vacuum Gauge Start:	<u>-29.96</u>	<u>-30.28</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>		
Vacuum Gauge End:	<u>-6.34</u>	<u>-6.33</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>1.6</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



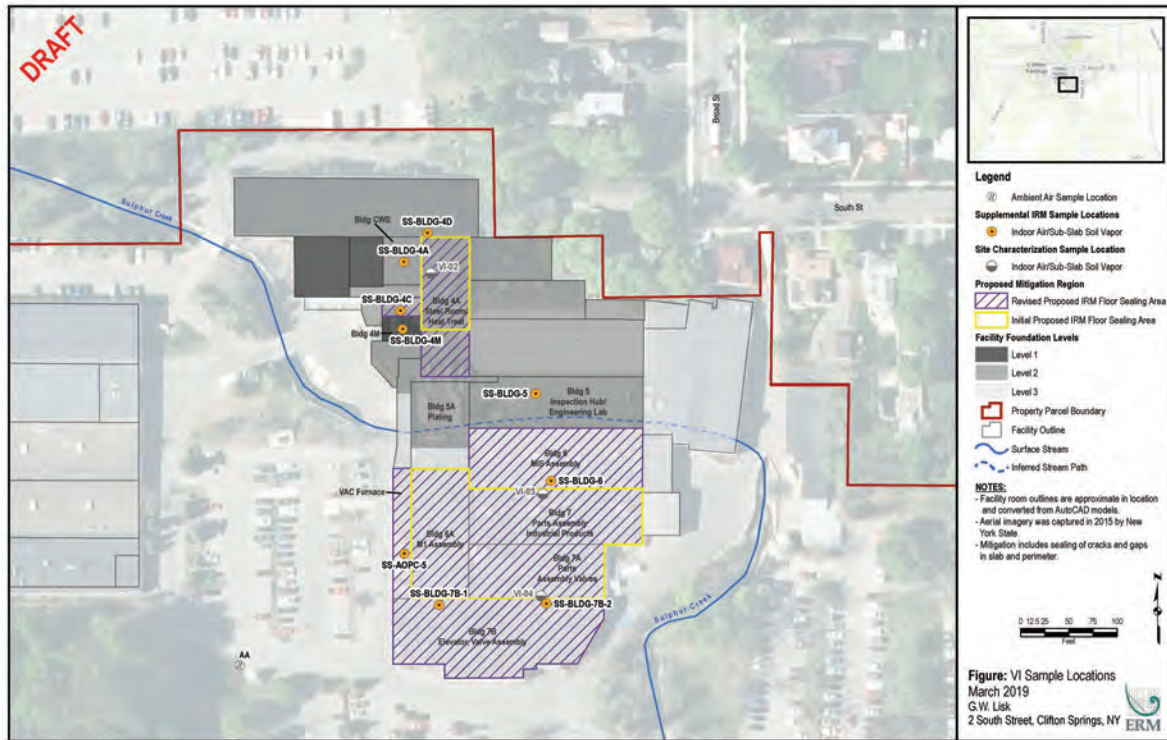
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4D	LPS NOFLASH ELECTRO CONT ⁺	12 OZ	U	1-BROMOPROPANE, TETRAFLUOROETHANE, 1-PROPANOL	0.0	☐
	GOJO SCRUBBING TOWELS		U/UO	WATER, LAURETH-7, POLYSORBATE 20, GLYCERIN, PEG-4, TRISODIUM ETHYLENEDIAMINE DISUCCINATE, PARFUM, DMDM HYDANTOIN, ⁺	0.0	☐
	WAY PURE OIL	7.31 L	U	UNKNOWN	0.0	☐
	ASTRO-CUT SYN	55 GAL	U	1,2-BENZISOTHIAZOLIN-3-ONE, POLY ((OXYETHYLENE, LIMETHYLLIMINIO)ETHYLENE (DIMETHYLIMINIO)ETHYLENE DICHLORIDE)	0.0	☐
	DYKEM STEEL BLUE LAYOUT FL ⁺	8 OZ	U	ETHANOL,BUTYL ACETATE, 1-BUTANOL, NITROCELLULOSE, ISOPROPANOL, PROPYL ACETATE,	0.0	☐
	DYKEM REMOVER AND PREP	12 OZ	U	ACETONE, ETHANOL, ISOPROPANOL, N-PROPYL-ACETATE	0.0	☐
	CDC-10 CLINGING DISINFECTA ⁺	1 QRT	U	ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE, OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE, DIOCTYL DIMETHYL AMMONIUM CHLORIDE, ⁺	0.0	☐
	AM LUBE FLO CUT 15	55 GAL	U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4D</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - BLDG - 4D</u>	<u>IA - BLDG - 4D</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>2322</u>	<u>925</u>	<u>609</u>		
Regulator ID:	<u>01258</u>	<u>0937</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>		
Vacuum Gauge Start:	<u>-29.72</u>	<u>-30.21</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>		
Vacuum Gauge End:	<u>-6.37</u>	<u>-5.93</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>30.7</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



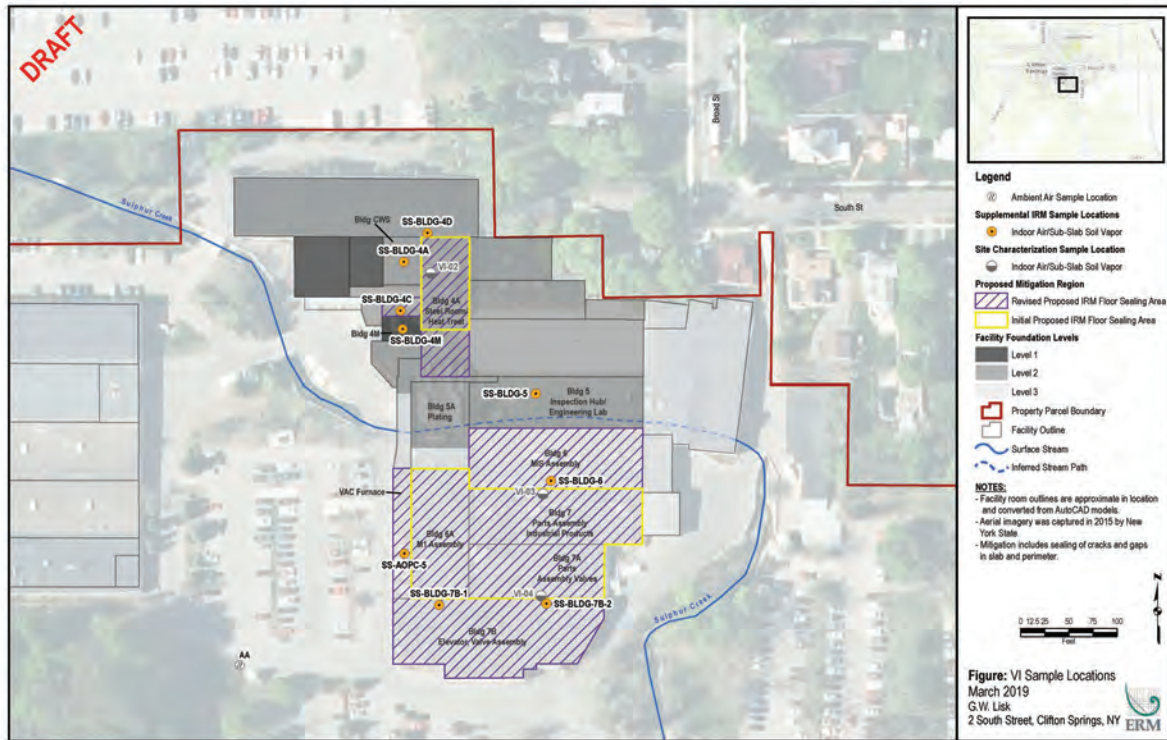
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No: _____

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-4M	OIL DRY PREMIUM ABSORBENT	40 LBS	UO	UNKNOWN	0.0	☐
	KUTOL LOTION VELVET HAND I	0.5 GAL	U	UNKNOWN	0.0	☐
	OIL EATER	15 OZ	U	UNKNOWN	0.0	☐
	CLOROX DISINFECTING SPRAY	19 OZ	U	OCTYL DECTYL DIMETHYL AMMONIUM CHLORIDE, DIOCTYL DIMETHYL AMMONIUM CHLORIDE, DIDECTYL DIMETHYL AMMONIUM CHLORIDE,	0.0	☐
	HERCULES DUCK BUTTER PIPE	32 OZ	U	NJ-TSR #58 1788226, 5001P, 5002P, 5003P, 5004P	0.0	☐
	CONDENSATE/557		U	UNKNOWN	0.0	☐
	WC-534	5 GAL	U	WATER, POTASSIUM HYDROXIDE, SODIUM MOLYBDATE, PROPRIETARY INHIBITORS	0.0	☐
	REFRIGERATION LUBRICANT	1 GAL	U	UNKNOWN	0.0	☐
	PREMIUM PUMP OIL	1 GAL	U	UNKNOWN	0.0	☐
	TRANSMISSION AND HYDRAUL	1 GAL	U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 4M(</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA(0319</u>		
Location Code:	<u>SS - BLDG - 4M</u>	<u>IA - BLDG - 4M</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1873</u>	<u>1693</u>	<u>609</u>		
Regulator ID:	<u>01259</u>	<u>0788</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vap</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLI</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 13:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-29.88</u>	<u>-30.12</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 13:</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-6.07</u>	<u>-9.06</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>0.0</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



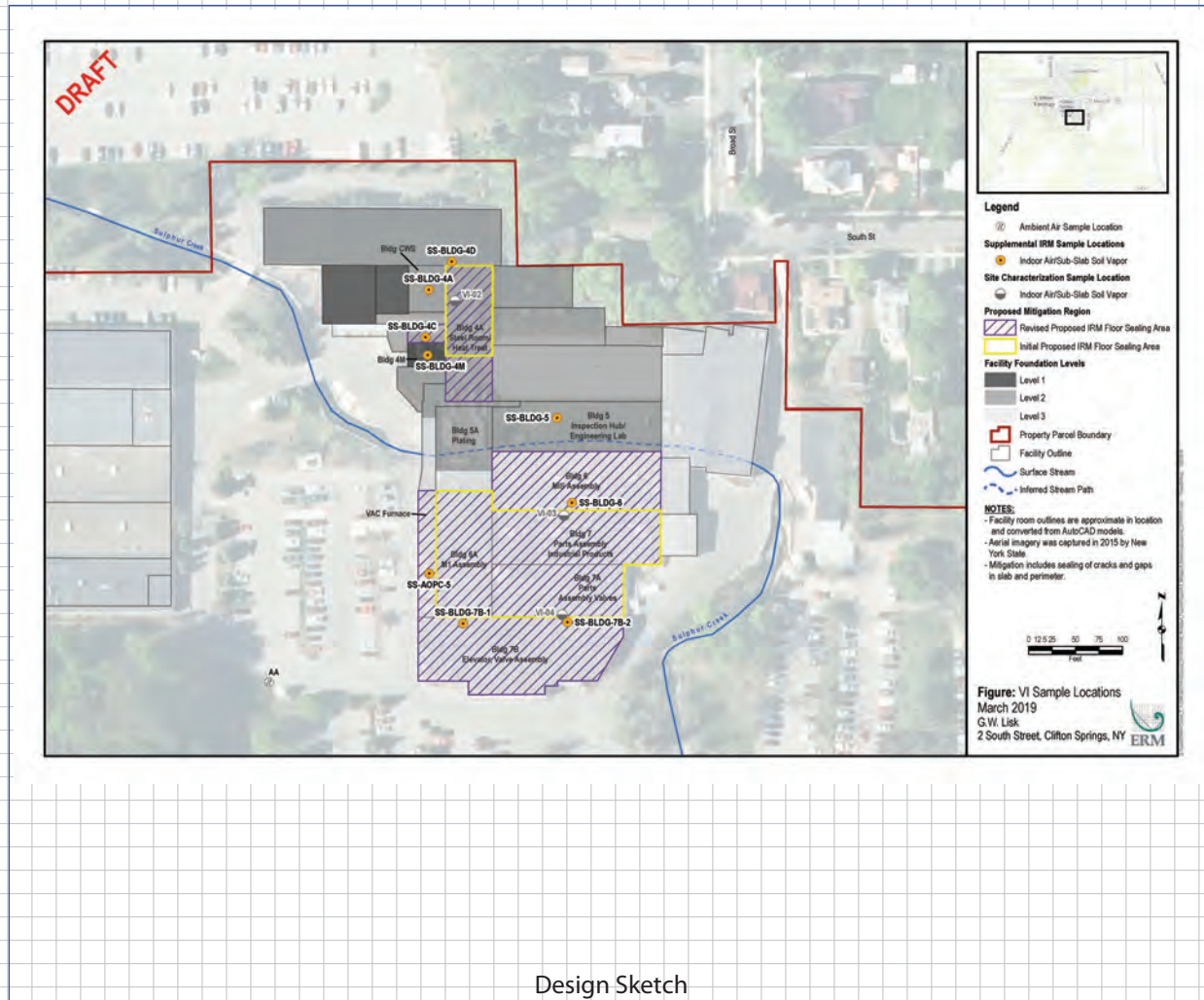
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

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 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-5						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
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						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 5 (02)</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - BLDG - 5</u>	<u>IA - BLDG - 5</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1897</u>	<u>575</u>	<u>609</u>		
Regulator ID:	<u>01246</u>	<u>0249</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 13:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 15:00</u>		
Vacuum Gauge Start:	<u>-29.76</u>	<u>-29.63</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 13:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 15:00</u>		
Vacuum Gauge End:	<u>-6.22</u>	<u>-5.23</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>33.9</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



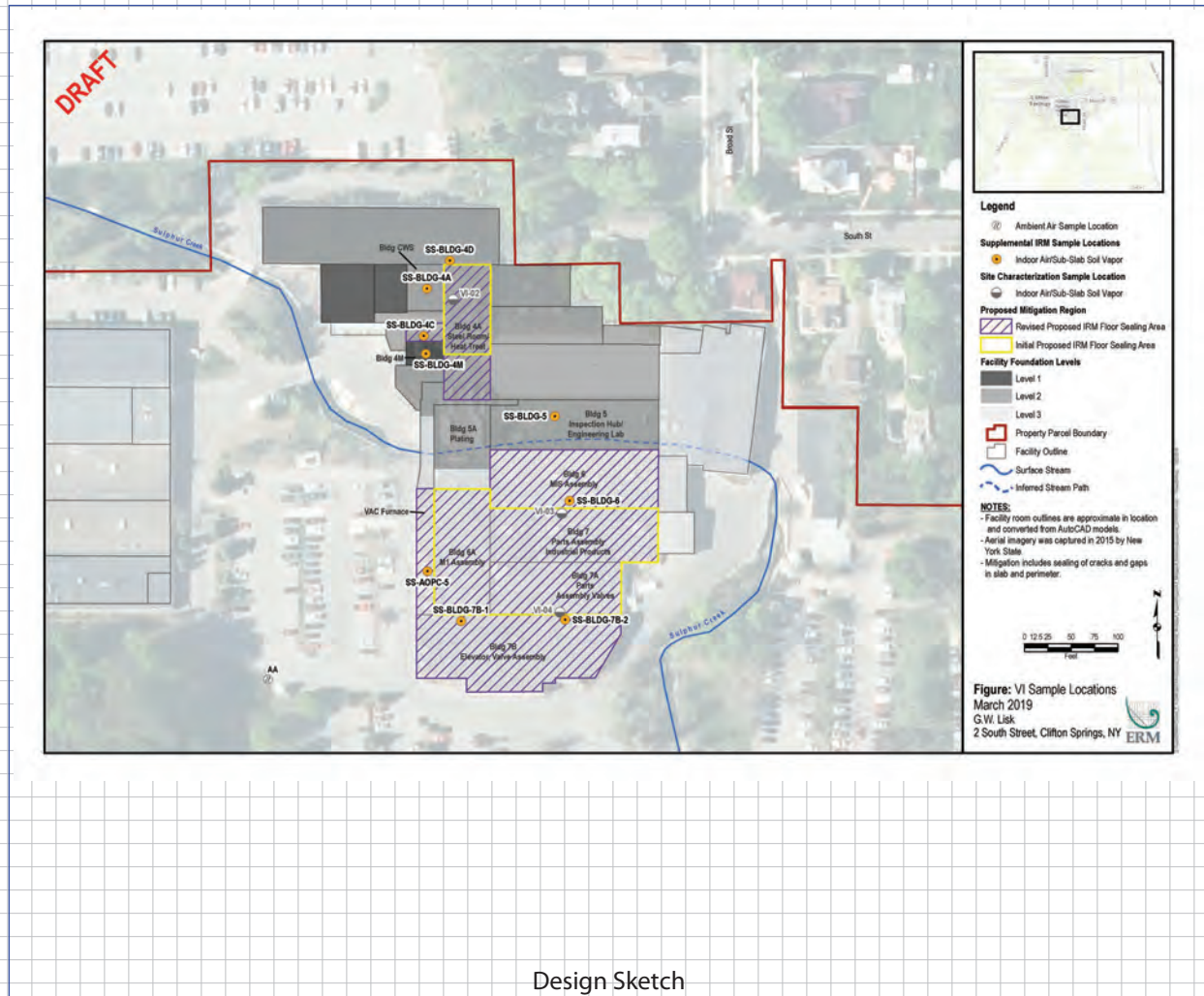
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-6	DEGREASER GENTECH MAX		U	N-PROPAL BROMIDE	0.4	☐
	SILICATED LOW FOAM CLEAN 	55 GAL	U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 6 (02)</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - BLDG - 6</u>	<u>IA - BLDG - 6</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>2604</u>	<u>1579</u>	<u>609</u>		
Regulator ID:	<u>01286</u>	<u>0766</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 13:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 15:00</u>		
Vacuum Gauge Start:	<u>-29.81</u>	<u>-29.83</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 13:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 15:00</u>		
Vacuum Gauge End:	<u>-6.02</u>	<u>-12.46</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>31.8</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



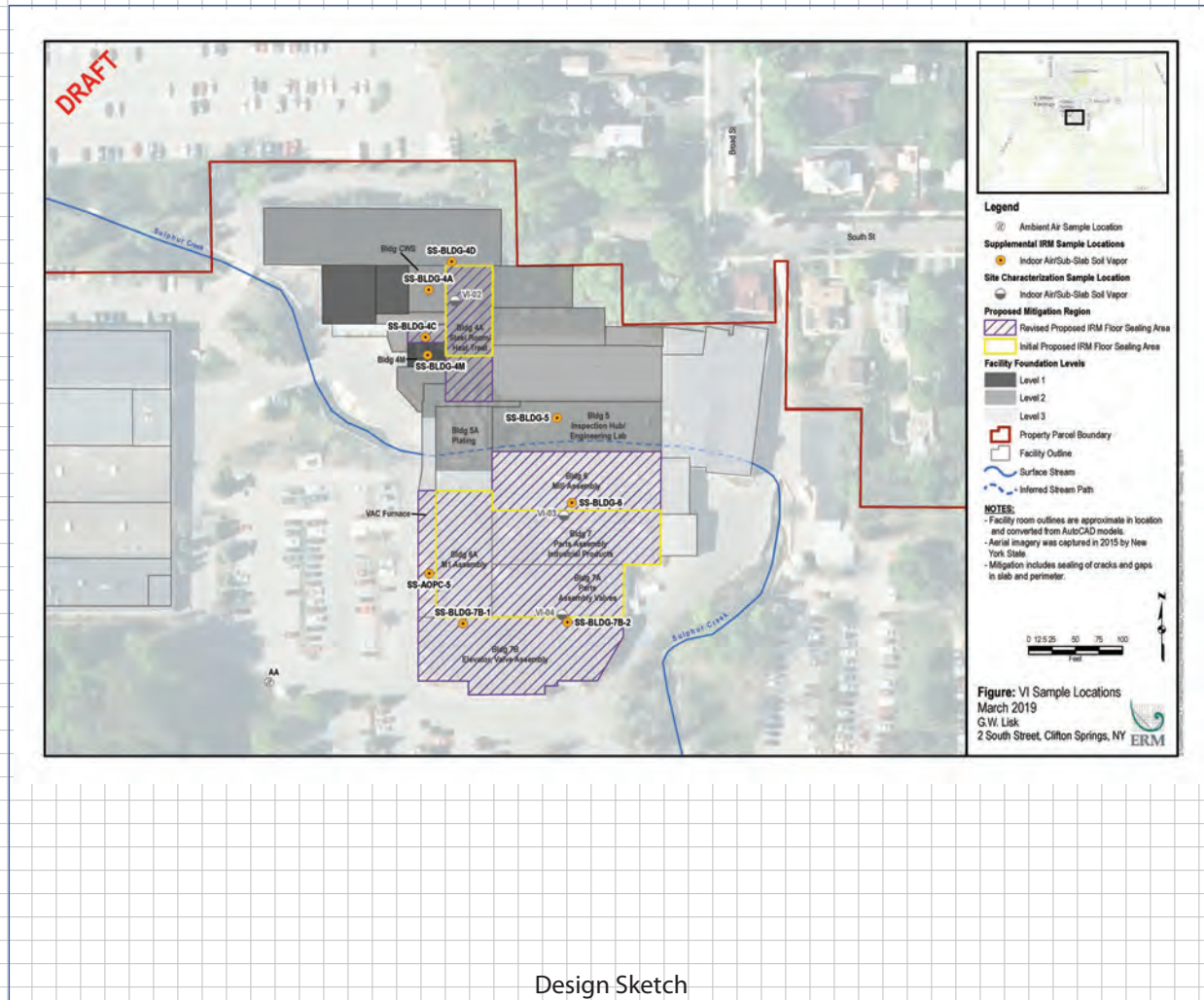
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
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 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-7B	DEGREASER GENTECH MAX		U	N-PROPAL BROMIDE	3.5	☐
	AIRGAS		U	ARGON, HYDROGEN	0.3	☐
	ULTRA HIGH PURITY ARGON 		U	ARGON	0.0	☐
	ISOPROPANOL SQUEEZE BOTTL 		U	ISOPROPANOL	0.0	☐
	TORCH COOLANT		U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 7B - 1</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - BLDG - 7B - 1</u>	<u>IS - BLDG - 7B - 1</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>1980</u>	<u>2288</u>	<u>609</u>		
Regulator ID:	<u>0875</u>	<u>0550</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 12:00</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-29.84</u>	<u>-30.01</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 12:00</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-8.26</u>	<u>-7.15</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>6.9</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



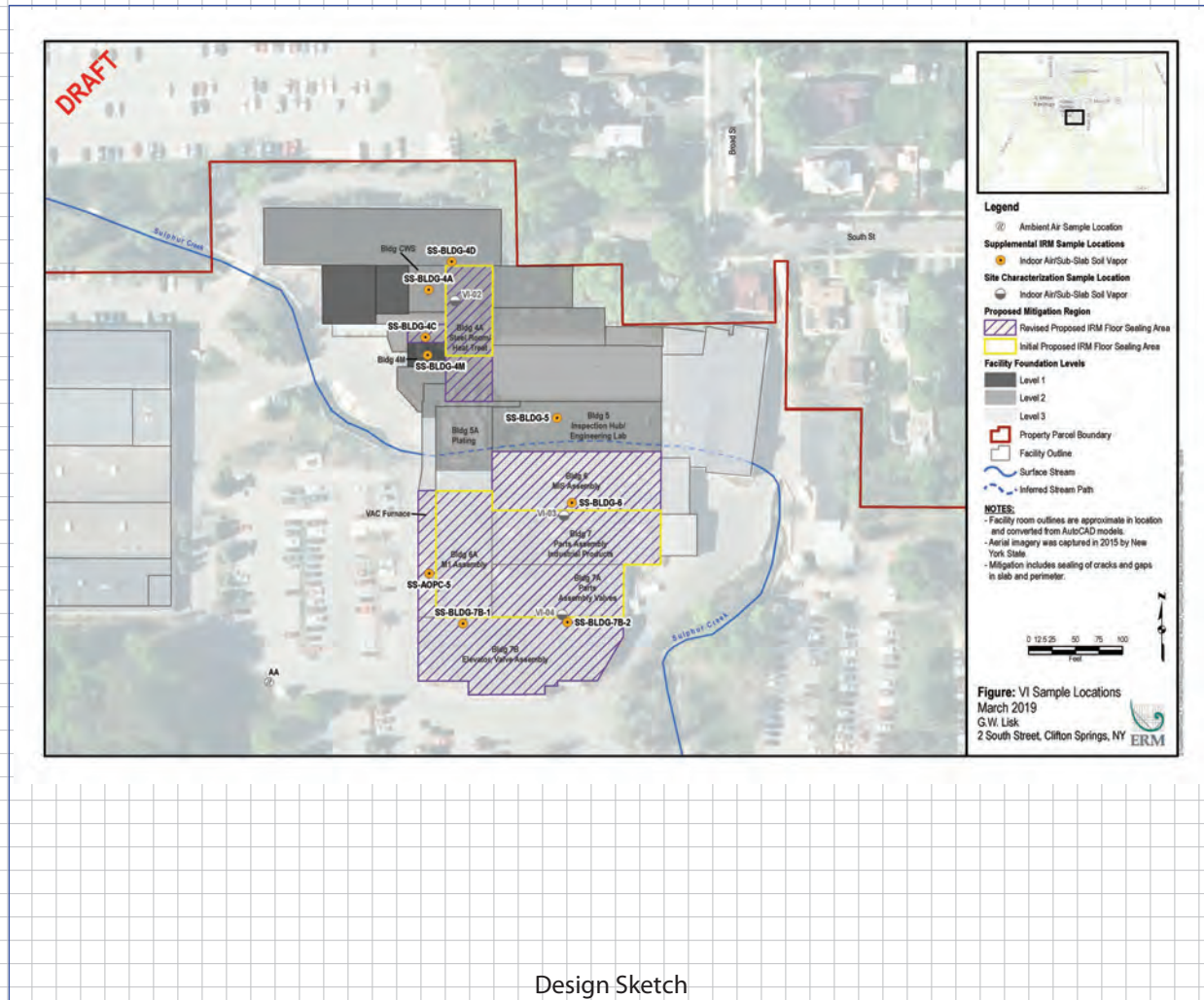
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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Clear Image



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Design Sketch Guidelines and Recommended Symbolology

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- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-Bldg-7B-2	PURELL	16 OZ	U	WATER, ISOPROPYL ALCOHOL, CAPRYLYL GLYCOL, GLYCERIN, ISOPROPYL MYRISTATE, TOCOPHERYL ACETATE, ACRYLATES/C10-30 ACRYLATE +	0.0	☐
	LYSOL ALL PURPOSE CLEANER	32 OZ	U	ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE, ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	0.0	☐
	R&R MOSITURIZING LOTION	8 OZ	U	PURIFIED DI WATER, PROPYLENE GLYCOL, PROPYLENE GLYCOL STEARATE, STEARIC ACID, CETYL ALCOHOL, OCTYL STEARATE/OCTYL +	0.0	☐
	BAUSH & LOMB SIGHT SAVERS	16 OZ	U	ISOPROPYL ALCOHOL,	0.0	☐
	UVEX CLEAR	18 OZ	U	UNKNOWN	0.0	☐
	BRAWNY WET HAND TOWELS		U	WATER, PROPYLENE GLYCOL, PEG-7 GLYCERYL COCATE, SODIUM LAURETH SULFATE, SODIUM LAURETH 8-sulfate, MAGNESIUM LAURETH +	0.0	☐
	ISOPROPANOL		U	ISOPROPANOL	0.0	☐
	WHITE BOARD CLEANER	8 OZ	U	WATER, ETHANOL, DIPROPYLENE, GLYCOL BUTYL ETHER, CITRIC ACID, ALKYL GLYCOSIDES C10-16, CAPRYL GLUCOSIDE, ISOPROPANOL, +	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL - SS - BLDG - 7B - 2</u>	<u>GWL - IA - BLDG</u>	<u>GWL - AA (0319)</u>		
Location Code:	<u>SS - BLDG - 7B - 2</u>	<u>IS - BLDG - 7B - 2</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>977</u>	<u>1564</u>	<u>609</u>		
Regulator ID:	<u>01272</u>	<u>0545</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outd</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SA</u>	<u>SUMMA AIR SA</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 12:</u>	<u>03/19/2019</u>	<u>03/19/2019</u>		
Vacuum Gauge Start:	<u>-29.79</u>	<u>-29.36</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 11:</u>	<u>03/20/2019</u>	<u>03/20/2019</u>		
Vacuum Gauge End:	<u>-4.85</u>	<u>-6.16</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>31.2</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



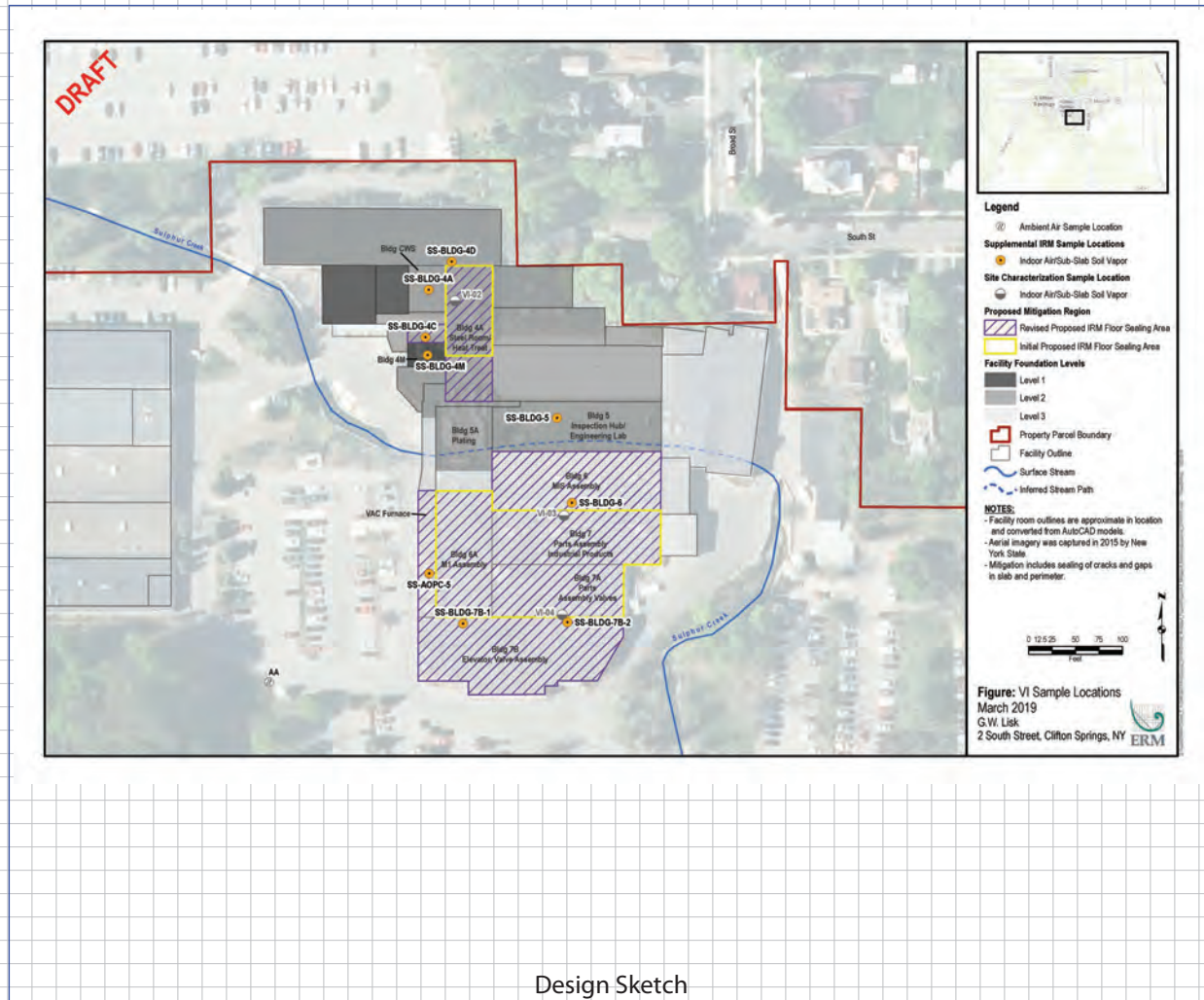
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-VI-02	RUSTCHECK 1240 EB		U	STODDARD SOLVENT	1.4	☐
	AIRGAS		U	ARGON, OXYGEN	0.0	☐
	AIRGAS		U	HELIUM	0.0	☐
	AIRGAS		U	NITROGEN	0.0	☐
	AIRGAS		U	OXYGEN	0.0	☐
	WASTE WATER FOR EVAPORAT ⁺	55 GAL	U	UNKNOWN	0.0	☐
	AM LUBE FLO-CUT 15	1928 KG	U	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC	0.0	☐
	SULFURIC ACID	130 GAL	U	SULFURIC ACID	0.1	☐
	SODIUM HYPOCHLORITE	55 GAL	U	SODIUM HYPOCHLORITE	0.1	☐
	50 0/0 caustic soda	55 GAL	U	UNKNOWN	0.3	☐
	UN 1824	55 GAL	U	SODIUM HYDROXIDE SOLUTION	0.0	☐
	SR-SOLVENT	130 GAL	U	UNKNOWN	0.0	☐
	COAG A31	55 GAL	U	UNKNOWN	0.0	☐
	UN 2582	55 GAL	U	FERRIC CHLORIDE SOLUTION	0.0	☐
	AP-820 POLYMER	130 GAL	U	UNKNOWN	0.0	☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL-SS-VI-02(0319)</u>	<u>GWL-IA-VI-02(0319)</u>	<u>GWL-AA(0319)</u>	<u>GWL-DUP2(0319)</u>	
Location Code:	<u>SS-VI-02</u>	<u>IA-VI-02</u>	<u>AA</u>	<u>DUP2</u>	
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>	<u>FIRST FLOOR</u>	
Canister ID:	<u>2724</u>	<u>947</u>	<u>609</u>	<u>1562</u>	
Regulator ID:	<u>0340</u>	<u>0234</u>	<u>0915</u>	<u>01103</u>	
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor Air</u>	<u>Indoor Air</u>	
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>	<u>03/19/2019 14:00</u>	
Vacuum Gauge Start:	<u>-29.88</u>	<u>-29.82</u>	<u>-30.22</u>	<u>-29.98</u>	
Sample End Date/Time:	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>	<u>03/20/2019 14:00</u>	
Vacuum Gauge End:	<u>-5.92</u>	<u>-6.82</u>	<u>-3.92</u>	<u>-7.23</u>	
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>	

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>45.9</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



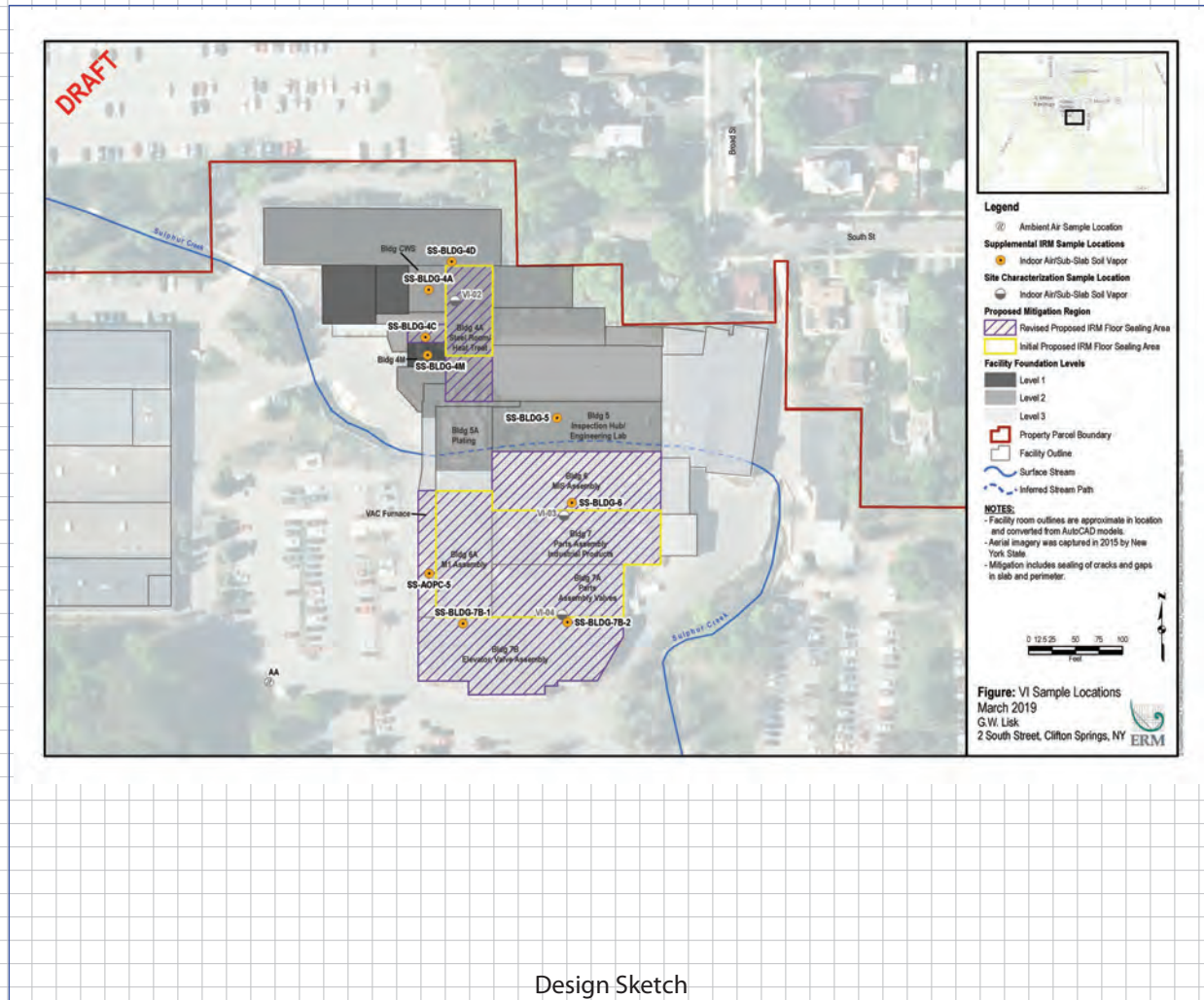
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | ○ | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating /Cooling /Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-VI-03	DEGREASER GENTECH MAX		U	N-PROPAL BROMIDE	0.4	☐
	SILICATED LOW FOAM CLEAN 	55 GAL	U	UNKNOWN	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL-SS-VI-03(0319)</u>	<u>GWL-IA-VI-03(0319)</u>	<u>GWL-AA(0319)</u>	<u>GWL-DUP1(0319)</u>	
Location Code:	<u>SS-VI-03</u>	<u>IS-VI-03</u>	<u>AA</u>	<u>DUP1</u>	
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>	<u>FIRST FLOOR</u>	
Canister ID:	<u>2120</u>	<u>1593</u>	<u>609</u>	<u>2670</u>	
Regulator ID:	<u>01248</u>	<u>0126</u>	<u>0915</u>	<u>0427</u>	
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor Air</u>	<u>Indoor Air</u>	
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 13:00</u>	<u>03/19/2019 13:00</u>	<u>03/19/2019 13:00</u>	<u>03/19/2019 13:00</u>	
Vacuum Gauge Start:	<u>-29.21</u>	<u>-29.82</u>	<u>-30.22</u>	<u>-29.99</u>	
Sample End Date/Time:	<u>03/20/2019 13:00</u>	<u>03/20/2019 13:00</u>	<u>03/20/2019 13:00</u>	<u>03/20/2019 13:00</u>	
Vacuum Gauge End:	<u>-9.17</u>	<u>-6.69</u>	<u>-3.92</u>	<u>-11.72</u>	
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>	<u>24</u>	
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>	

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>59.7</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



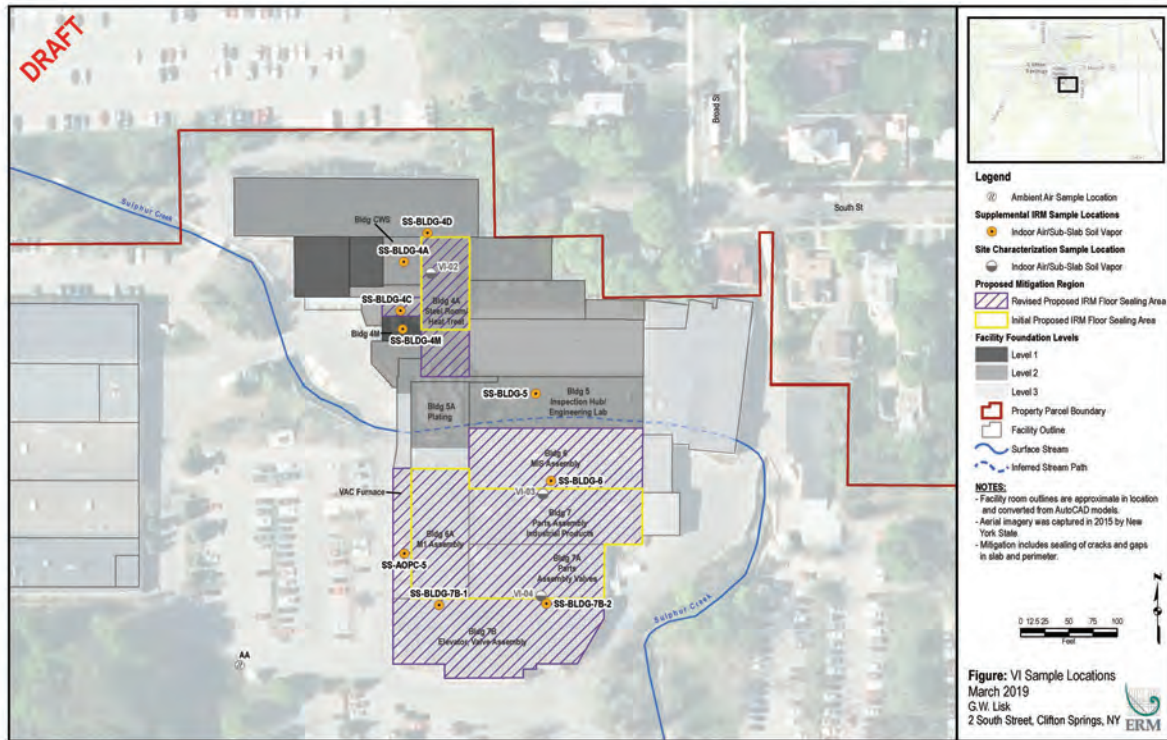
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01
Building Code: MB Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SV Sampling Date of Inspection: Mar 19, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50+ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): _____ Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: ABOVE GRADE Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: _____
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: _____
Water Htr Vent Location: _____ Dryer Vent Location: _____



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB Date: Mar 20, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: MiniRae 3000 Date of Calibration: Mar 19, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SS-VI-04	DEGREASER GENTECH MAX		U	N-PROPAL BROMIDE	3.5	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☒ No Were there any elevated PID readings taken on site? ☐ Yes ☒ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: GW Lisk Site Code: 442008 Operable Unit: 01

Building Code: MB Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Jan 1, 2018

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 30.43 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Mar 20, 2019 Date Samples Sent To Lab: Mar 20, 2019
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	<u>GWL-SS-VI-04(0319)</u>	<u>GWL-IA-VI-04</u>	<u>GWL-AA(0319)</u>		
Location Code:	<u>SS-VI-04</u>	<u>IA-VI-04</u>	<u>AA</u>		
Location Type:	<u>SUBSLAB</u>	<u>FIRST FLOOR</u>	<u>OUTDOOR</u>		
Canister ID:	<u>2052</u>	<u>1513</u>	<u>609</u>		
Regulator ID:	<u>01268</u>	<u>0400</u>	<u>0915</u>		
Matrix:	<u>Subslab Soil Vapor</u>	<u>Indoor Air</u>	<u>Ambient Outdoor Air</u>		
Sampling Method:	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>	<u>SUMMA AIR SAMPLING</u>		

Sampling Area Info

Slab Thickness (inches):	<u>8</u>				
Sub-Slab Material:	<u>FILL</u>				
Sub-Slab Moisture:	<u>DRY</u>				
Seal Type:	<u>MECHANICAL</u>				
Seal Adequate?:	☒	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>03/19/2019 12:00</u>	<u>03/19/2019 12:00</u>	<u>03/19/2019 12:00</u>		
Vacuum Gauge Start:	<u>-29.91</u>	<u>-29.86</u>	<u>-30.22</u>		
Sample End Date/Time:	<u>03/20/2019 13:00</u>	<u>03/20/2019 13:00</u>	<u>03/20/2019 13:00</u>		
Vacuum Gauge End:	<u>-10.67</u>	<u>-5.94</u>	<u>-3.92</u>		
Sample Duration (hrs):	<u>24</u>	<u>24</u>	<u>24</u>		
Vacuum Gauge Unit:	<u>in(hg)</u>	<u>in(hg)</u>	<u>in(hg)</u>		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	<u>1.1</u>				
Purge PID Unit:	<u>ppm</u>				
Tracer Test Pass:	☒	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



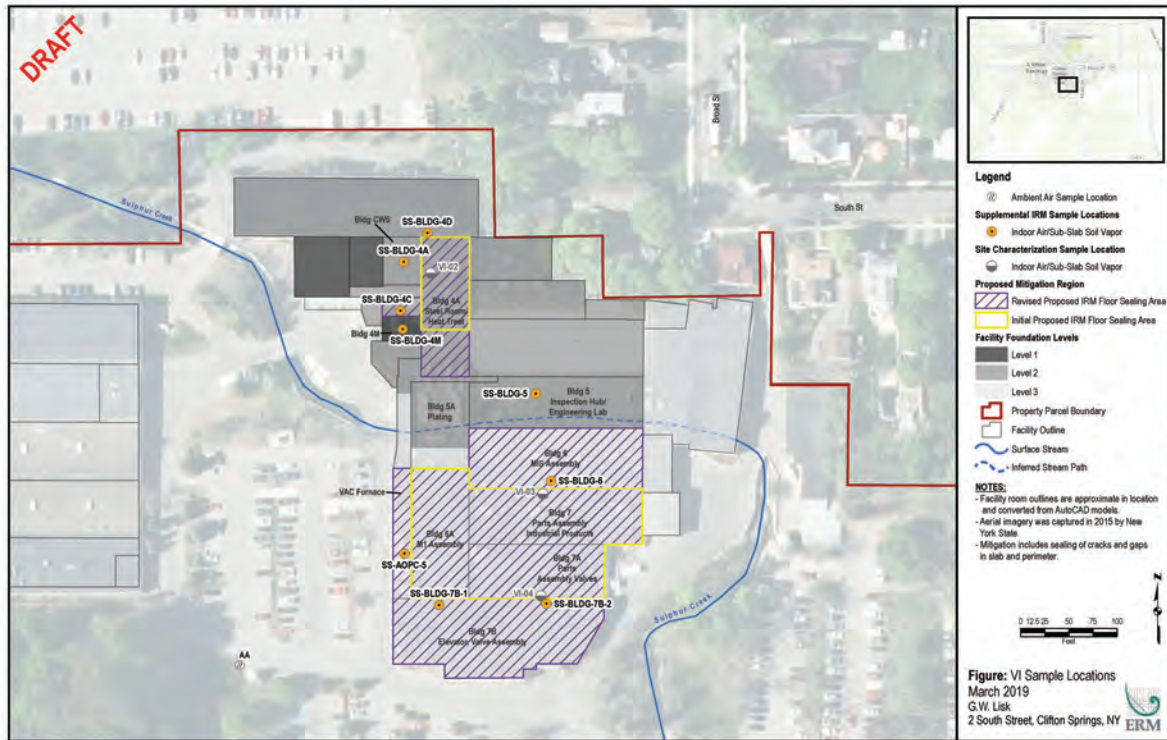
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
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 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |

August 2019



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM23 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315) 317-2044
Preparer's Affiliation: ERM Company Code: ERM
Purpose of Investigation: Post Mitigation VI Sampling Date of Inspection: Aug 6, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☐ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1940 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM23 Date: Aug 6, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Mini-Rae Date of Calibration: Aug 6, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
(Observed) IA- +	Avistat-D spray disinfectant cle +	1qt	U	n-Alkyl dimethyl benzyl ammonium chlorides (60% C14, 30% C16, 5% C12, 5% C18), n-Alkyl dimethyl ethylbenzyl ammonium chlorides(68% C12, 32% +	0.8	☐
(Observed) IA- +	I.P.A. Alcohol	4	U		3.8	☐
(Reported) Ge +	CDC-10	32	U	water, diethylene glycol monobutyl ether, sodium tripolyphosphate, disodium cocampho dipropionatedialkyl dimethyl ammonium chloride +	0.0	☐
(Reported) Ge +	Clorox	19	U	ethanol, isobutane, propane, sodium nitrite, n-alkyl benzyl ammonium chloride, octyl decyl dimethyl ammonium chloride	0.0	☐
(Reported) Ge +	Dykem Remover and Prep	12	U	acetone, ethanol, n-propyl acetate, isopropyl alcohol	0.0	☐
(Reported) Ge +	Flux Remover	16	U	1,1,1,2,2,3,4,5,5,5-decafluoropentane, 1,2-transdichloroethylene, 1,1,1,2-tetrafluoroethane, ethanol, carbon dioxide	0.0	☐
(Reported) Ge +	Orange Tough 15	32	U	triethanolamine dodecylbenzene sulfonate, dipropylene glycol monobutyl ether, triethanolaminesoybean oil, methyl esters, d- +	0.0	☐
(Reported) Ge +	Electro Contact Cleaner		U	ethane, 1,1,1,2-tetrafluoro-(hfc-134a),methyl nonafluorobutyl ether, perfluoro compounds, 1,2-trans dichloroethene, cyclohexylmethane, +	0.0	☐
(Reported) Ge +	WD-40	7	U	alyphatix hydrocarbon, petroleum base oil, LVP alyphatic hydrocarbon, surfactant	0.0	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☒ No Were there any elevated PID readings taken on site? ☐ No ☒ Yes Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM23 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: acetone, iso-propyl alcohol

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Chemical Use, degreasing, plating, waste Storage

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Mar 20, 2019

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 77 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.74 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM23 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Aug 6, 2019 Date Samples Sent To Lab: Aug 7, 2019
Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL-AA(08062019)	IA-BLDG-7B-1	IA-BLDG-7B-2	GWL-DUP(08062019)	
Location Code:	AA	BLDG-7B-1	BLDG-7B-2	DUP	
Location Type:	OUTDOOR	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	
Canister ID:	2982	1688	901	1640	
Regulator ID:	0237	01189	01189	01186	
Matrix:	Ambient Outdoor	Indoor Air	Indoor Air	Indoor Air	
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	08/06/2019 10:10	08/06/2019 10:10	08/06/2019 10:10	08/06/2019 10:10	
Vacuum Gauge Start:	-29.37	-29.47	-28.95	-29.6	
Sample End Date/Time:	08/07/2019 9:52	08/07/2019 9:52	08/07/2019 9:52	08/07/2019 9:52	
Vacuum Gauge End:	-8.56	-7.61	-4.69	-5.65	
Sample Duration (hrs):	24	24	24	24	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM21 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315) 317-2044
Preparer's Affiliation: ERM Company Code: ERM
Purpose of Investigation: Post Mitigation VI Sampling Date of Inspection: Aug 6, 2019
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☐ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G. W Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM21 Date: Aug 6, 2019

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Mini-Rae Date of Calibration: Aug 6, 2019

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
(Observed) IA- +	Degreaser	7040	U	acetone, Iso-propyl alcohol, n-propylbromide, xylene		☐
(Reported) IA- +	Trump Plus	12	U	1,1,1-trichlorethane, methylene chloride, zinc oxide, propane, N-butane, alyphatic hydrocarbon, naphthenic distillate		☐
(Reported) Ge +	CDC-10	32	U	water, diethylene glycol monobutyl ether, sodium tripolyphosphate, disodium cocampho dipropionatedialkyl dimethyl ammonium chloride		☐
(Reported) Ge +	Clorox	19	U	ethanol, isobutane, propane, sodium nitrite, n-alkyl benzyl ammonium chloride, octyl decyl dimethyl ammonium chloride		☐
(Reported) Ge +	Dykem Remover and Prep	12	U	acetone, ethanol, n-propyl acetate, isopropyl alcohol		☐
(Reported) Ge +	Flux Remover	16	U	1,1,1,2,2,3,4,5,5,5-decafluoropentane, 1,2-transdichloroethylene, 1,1,1,2-tetrafluoroethane, ethanol, carbon dioxide		☐
(Reported) Ge +	Orange Tough 15	32	U	triethanolamine dodecylbenzene sulfonate, dipropylene glycol monobutyl ether, triethanolaminesoybean oil, methyl esters, d- +		☐
(Reported) Ge +	Electro Contact Cleaner		U	ethane, 1,1,1,2-tetrafluoro-(hfc-134a),methyl nonafluorobutyl ether, perfluoro compounds, 1,2-trans dichloroethene, cyclohexylmethane, +		☐
(Reported) Ge +	WD-40	7	U	alyphatic hydrocarbon, petroleum base oil, LVP alyphatic hydrocarbon, surfactant		☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ No ☐ Yes ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM21 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: acetone, iso-propyl alcohol

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Chemical Use, degreasing, plating, waste storage

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Mar 19, 2019

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 77 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.74 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM21 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Tim Daniluk, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Aug 6, 2019 Date Samples Sent To Lab: Aug 7, 2019
Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL-AA(08062019)	IA-VI-04(08062019)			
Location Code:	AA	VI-04			
Location Type:	OUTDOOR	FIRST FLOOR			
Canister ID:	2982	2616			
Regulator ID:	0237	01059			
Matrix:	Ambient Outdoor	Indoor Air			
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING			

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	08/06/2019 10:00	08/06/2019 10:00			
Vacuum Gauge Start:	-29.37	-29.23			
Sample End Date/Time:	08/07/2019 9:52	08/07/2019 9:52			
Vacuum Gauge End:	-8.56	-7.60			
Sample Duration (hrs):	24	24			
Vacuum Gauge Unit:	in(hg)	in(hg)			

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

January 2020



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: C835026 Operable Unit: 01
Building Code: MB-RM16 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: Material Sampling Date of Inspection: Jan 28, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0 
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM16 Date: Jan 28, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Date of Calibration:

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
	Techspray G3 Flux Remover	16	U	1,2-transdichloroethylene, 1,1,1,2,2,3,4,5,5,5-decafluoropentane, ethanol, 1,1,1,2-tetrafluoroethane, carbon dioxide		☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes Were there any elevated PID readings taken on site? ☐ No ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM16 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 30 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.30 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM16 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Jon Fox, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Jan 28, 2020 Date Samples Sent To Lab: Jan 28, 2020
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: _____

SUMMA Canister Information

Sample ID:	<u>GWL-G3-01-19275</u>				
Location Code:	<u>GWL-G3-01-19275</u>				
Location Type:	<u>FIRST FLOOR</u>				
Canister ID:	<u>468</u>				
Regulator ID:	<u>01443</u>				
Matrix:	<u>Indoor Air</u>				
Sampling Method:	<u>SUMMA AIR SAMPLI</u>				

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>01/28/2020 10:</u>				
Vacuum Gauge Start:	<u>-29.37</u>				
Sample End Date/Time:	<u>01/28/2020 11:</u>				
Vacuum Gauge End:	<u>-1.78</u>				
Sample Duration (hrs):	<u>1</u>				
Vacuum Gauge Unit:	<u>in(hg)</u>				

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: C835026 Operable Unit: 01
Building Code: MB-RM16 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: Material Sampling Date of Inspection: Jan 28, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0 
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: DRY ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM16 Date: Jan 28, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Date of Calibration:

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
	Techspray G3 Flux Remover	16	U	1,2-transdichloroethylene, 1,1,1,2,2,3,4,5,5,5-decafluoropentane, ethanol, 1,1,1,2-tetrafluoroethane, carbon dioxide		☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes Were there any elevated PID readings taken on site? ☐ No ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: C835026 Operable Unit: 01

Building Code: MB-RM16 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 30 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.30 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM16 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Jon Fox, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Jan 28, 2020 Date Samples Sent To Lab: Jan 28, 2020
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: _____

SUMMA Canister Information

Sample ID:	<u>GWL-G3-02-19308</u>				
Location Code:	<u>GWL-G3-02-19308</u>				
Location Type:	<u>FIRST FLOOR</u>				
Canister ID:	<u>379</u>				
Regulator ID:	<u>01532</u>				
Matrix:	<u>Indoor Air</u>				
Sampling Method:	<u>SUMMA AIR SAMPLING</u>				

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>01/28/2020 13:</u>				
Vacuum Gauge Start:	<u>-29.61</u>				
Sample End Date/Time:	<u>01/28/2020 14:</u>				
Vacuum Gauge End:	<u>-2.16</u>				
Sample Duration (hrs):	<u>1</u>				
Vacuum Gauge Unit:	<u>in (hg)</u>				

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: C835026 Operable Unit: 01
Building Code: MB-RM16 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Tim Daniluk Phone No: (315)317-2044
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: Material Sampling Date of Inspection: Jan 28, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0 
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: 1995 ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: FINISHED Basement is: DRY ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: ELECTRIC ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM16 Date: Jan 28, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Date of Calibration:

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
	3M Novec Brand Flux Remover	12	U	1,2-trans-dichloroethylene, mwthyl nonafluoroisobutyl ether, methyl nonafluorobutyl ether, carbon dioxide, isopropyl alcohol		☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes Were there any elevated PID readings taken on site? ☐ No ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: C835026 Operable Unit: 01

Building Code: MB-RM16 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, Iso-propyl, Xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: MOSTLY CLOUDY Outdoor Temperature: 30 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.30 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM16 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Jon Fox, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Jan 28, 2020 Date Samples Sent To Lab: Jan 28, 2020
Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: _____

SUMMA Canister Information

Sample ID:	<u>GWL-Novec-01-NO₂</u>				
Location Code:	<u>GWL-Novec-01-NO₂</u>				
Location Type:	<u>FIRST FLOOR</u>				
Canister ID:	<u>163</u>				
Regulator ID:	<u>01550</u>				
Matrix:	<u>Indoor Air</u>				
Sampling Method:	<u>SUMMA AIR SAMPLI</u>				

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	<u>01/28/2020 9:33</u>				
Vacuum Gauge Start:	<u>-28.66</u>				
Sample End Date/Time:	<u>01/28/2020 10:00</u>				
Vacuum Gauge End:	<u>-1.5</u>				
Sample Duration (hrs):	<u>1</u>				
Vacuum Gauge Unit:	<u>in(hg)</u>				

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

February 2020



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM23 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Katherine Popyack Phone No: (315) 559-2658
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Air Sampling Date of Inspection: Feb 26, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: _____ ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM23 Date: Feb 26, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Minirae 3000 Date of Calibration: Feb 26, 2020

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
6-7 backgroun ⁺	Avistat-D spray disinfectant		U	2-(2-Butoxyethoxy) ethanol, tetrasodium ethylenediamine tetraacetate, _alkyl dimethyl ethylbenzyl ammonium chloride, _alkyl dimethyl ⁺		☐
	G PST-802 damping fluid	1 gal	U/UO	Silicone greases and silicone compounds	17.2	☐
	Clorox disinfecting		U	ethylene glycol monohexyl ether, n-alkyl dimethyl ethylbenzyl ammonium chloride, n-alkyl dimethyl benzyl ammonium chloride ⁺		☐
	Simply Done disinfecting wipe ⁺	55 wipes ⁺	U	quaternary ammonium compounds, benzyl-c12-18-alkyldimethyl salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, 1- ⁺		☐
	Bausch Laub sight savers lens cl ⁺	16 oz	U	isopropyl alcohol, dipropylene glycol methyl ether, silicone, sodium lauryl sulfate, calcomine brilliant violet		☐
	Dykem remover and prep	12 oz	U	acetone, ethanol, isopropanol, n-propyl acetate		☐
	Flammable solvent waste cont ⁺		U	unknown		☐
	Purell advanced		U	isopropyl alcohol, caprylyl glycol, glycerin, isopropyl myristate, tocopheryl acetate, acrylates, aminomethyl propanol		☐
	Compressed Argon, Hydrogen ⁺		U/UO	Argon, hydrogen		☐
	Isopropanol		U	Isopropanol		☒
	Brawny Professional wipes		U	Rayon/polyester/polyethylene/poly propylene synthetic fiber, propylene glycol	11.2	☐
	Sky Kleen 1000 aviation solven ⁺		U	Dimethyl glutarate, dimethyl succinate, dimethyl adipate	3.0	☐
	Sustainable Earth white board ⁺		U	Ethanol, dipropylene glycol butyl ether		☐
	Acetone		U	Acetone	9.8	☐
	Avistat D		U	2-(2-Butoxyethoxy) ethanol, tetrasodium ethylenediamine tetraacetate, _alkyl dimethyl ethylbenzyl ammonium chloride, _alkyl dimethyl ⁺		☐
	PST-802 polysilicon		U	Unknown		☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM23 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, iso-propyl, xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.9 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM23 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Katherine Popyack, Olivia Botting Sampler Company Code: ERM

Sample Collection Date: Feb 27, 2020 Date Samples Sent To Lab: Feb 27, 2020

Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL - IA - BLDG - 7B - 1	GWL - IA - BLDG - 7B - 2	GWL - DUP (0226)	GWL - AA (0226)	
Location Code:	IA - BLDG - 7B - 1	IA - BLDG - 7B - 2	DUP	AA	
Location Type:	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	OUTDOOR	
Canister ID:	805	2835	2114	3318	
Regulator ID:	01174	01827	01277	0364	
Matrix:	Indoor Air	Indoor Air	Indoor Air	Ambient Outd	
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/26/2020 10:56	02/26/2020 10:56	02/26/2020 10:56	02/26/2020 10:56	
Vacuum Gauge Start:	-29.48	-29.77	-28.64	-29.43	
Sample End Date/Time:	02/27/2020 9:24	02/27/2020 9:24	02/27/2020 9:24	02/27/2020 9:24	
Vacuum Gauge End:	-4.49	-5.88	-7.78	-2.99	
Sample Duration (hrs):	24	24	24	24	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM23 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Katherine Popyack Phone No: (315) 559-2658
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Air Sampling Date of Inspection: Feb 26, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: _____ ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM23 Date: Feb 26, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Minirae 3000 Date of Calibration: Feb 26, 2020

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
MB-RM20 Inve ⁺	G3 flux cleaner		U	1,2-transdichloroethylene, 1,1,1,2,2,3,4,5,5,5-decafluoropentane, ethanol, 1,1,1,2-tetrafluoroethane, carbon dioxide	1218/7.3	☒
	alpha 615		U	isopropyl alcohol, rosin/resin, solvent, amine	1.6	☐
	dymon orange citrus natural	18 oz	U	Unknown	0.6	☐
Background P ⁺	ethone 50-700		U	glycol ether, black carbon, respirable powder	0.0	☐
	loctite ablestik 285 BK		U	Aluminium oxide, epoxy resin, silica, amorphous, fumed, crystal-free, butyl 2,3-epoxypropyl ether, black carbon	0.0	☐
	active v-station with g3 flux		U		8.3	☐
	xylene		U	xylene	0.0	☐
	Kester Techform TC-533		U/UO	Paraffin waxes ad hydrocarbon waxes		☐
	Loctite Cat 11 BRN		U/UO	1,3-Phenylenediamine, N-Methyl-2-pyrrolidone		☐
	Loctite Cat 9 AMB		U/UO	3,6,9-Triazaundecamethylenediamine 112-57-2		☐
	Enthone Catalyst 20A		U/UO	2,4,6-tris(dimethylaminomethyl)phrnl, glycol ether, aliphatic amine		☐
	Loctite SF 7471 primer		U/UO	Acetone, isobutene, 2-propanol		☐
	Neutralization		U/UO	Unknown		☐
	Polyurethane enamel x-310A		U/UO	Hexamethylene diisocyanate, oligomers, n-butyl acetate, xylene, ethybenzene, hexamethylene-diisocyanate		☐
	Loctite Cat 17M-1 Tan		U/UO	Benzene-1,2:4,5-teracarboxylic dianhydride, hexahydromethylphthalic anhydride, substituted phthalic anhydride, benzene-1,2,4,5- ⁺		☐
	Loctite Stycast 2762FT BK		U/UO	Aluminium oxide, epichlorohydrin-4,4'-isopropylidene diphenol resin, bisphenol-F epichlorohydrin resin, butyl 2,3-epoxypropyl ethe ⁺		☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Were there any elevated PID readings taken on site? ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM23 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): Organic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, iso-propyl, xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: PARTLY CLOUDY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.9 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM23 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Katherine Popyack, Olivia Botting Sampler Company Code: ERM

Sample Collection Date: Feb 27, 2020 Date Samples Sent To Lab: Feb 27, 2020

Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL - IA - BLDG - 7B - 1	GWL - IA - BLDG	GWL - DUP (0226	GWL - AA (0226	
Location Code:	IA - BLDG - 7B - 1	IA - BLDG - 7B - 2	DUP	AA	
Location Type:	FIRST FLOOR	FIRST FLOOR	FIRST FLOOR	OUTDOOR	
Canister ID:	805	2835	2114	3318	
Regulator ID:	01174	01827	01277	0364	
Matrix:	Indoor Air	Indoor Air	Indoor Air	Ambient Outd	
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA	SUMMA AIR SA	SUMMA AIR SA	

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/26/2020 10:5	02/26/2020	02/26/2020	02/26/2020	
Vacuum Gauge Start:	-29.48	-29.77	-28.64	-29.43	
Sample End Date/Time:	02/27/2020 9:24	02/27/2020	02/27/2020	02/27/2020	
Vacuum Gauge End:	-4.49	-5.88	-7.78	-2.99	
Sample Duration (hrs):	24	24	24	24	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM21 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Katherine Popyack Phone No: (315) 559-2658
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Feb 27, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING
If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: _____ ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM21 Date: Feb 26, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Minirae 3000 Date of Calibration: Feb 26, 2020

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
VI-04 (Backgro ⁺)	Gentex solution degreaser		U	n-popyl bromide	23.5	☒
	Viscore 1487C		U	distillates, hydrotreated lght, highly refined mineral oil, calcium sulphonate	3.2	☐
	Compressed Hydrogen, Argon ⁺		U	Compressed air	0.0	☐
	RTB		U	Unknown	0.0	☐
	732 multi-purpose sealant	300 ml	U/UO	Dimethylsiloxane, hydroxv-terminated, silicone dioxide, triethylsilioxv-terminated, black carbon, awcitic acid, aecitic anhydrate	4.7	☐
	Parker Super-O lube	8 lb	U	silicone base, dimethylpolysiloxane	0.0	☐
	CDC-10 clinging disinfectant cl ⁺	1 qt	U	dimethyl denzene, ammonium chlorides, octyl dectyl dimethyl ammonium chloirde, dioctyl dimethyl ammounium chloride, ijert ingredients	0	☐
	Mineral spirits		U	Hydrotreated light distillate (petroleum, mineral spirits)	12.1	☐
	EXpo wipe board care\sustaina ⁺	8 oz	U	propylene glycol n-butyl ether	0.0	☐
Doser assemb ⁺	Dykem remover and prep	12 oz	U	acetone, ethanol, isopropanol, n-propyl acetate	13.7	☐
Background P ⁺	Starrett M1 all purpose lubricar ⁺	12 oz	U	petroleum distillates, hydrotreated light, trade secret calcium oxidate	10.1	☐
	Isopropyl alcohol		U	isopropyl alcohol	952.3	☒
	Mega Bubble leak detector		U	propylene glycol, water, glycerol	4.7	☐
Background P ⁺	Snoop liquid leak detector		U	water, isopropylamine alkyl benzenesulfonate, benzenesulfonic acid, dodecyl compd with 2-propanamine, benzene derivs, isopropylamine	3.1	☐
	Loctite 2760		U	dimethacrylate ester, polyglycol dimethacrylate, treated fumed silica, saccharin, acetic acid, 2-phenylhrdrazide	3.2	☐
	Avistat-D spray disinfectant cle ⁺	1 qt	U	2-(2-Butoxethoxy) ethanol, tetrasodium ethylenediamine tetraacetaate, _alkyl dimethyl ethylbenzyl ammonium chloride, _alkyl dimeth ⁺	0.0	☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes Were there any elevated PID readings taken on site? Yes ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM21 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): ORganic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, isopropyl, xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.9 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM21 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Katherine Popyack, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Feb 27, 2020 Date Samples Sent To Lab: Feb 27, 2020
Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL - VI - 04 (02262)	GWL - AA (0226)			
Location Code:	VI - 04	AA			
Location Type:	FIRST FLOOR	OUTDOOR			
Canister ID:	1629	3318			
Regulator ID:	01481	0364			
Matrix:	Indoor Air	Ambient Outd			
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA			

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/26/2020 10:	02/26/2020			
Vacuum Gauge Start:	-28.85	-29.43			
Sample End Date/Time:	02/27/2020 9:26	02/27/2020			
Vacuum Gauge End:	-4.6	-2.99			
Sample Duration (hrs):	24	24			
Vacuum Gauge Unit:	in(hg)	in(hg)			

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01
Building Code: MB-RM21 Building Name: Main Building
Address: 2 South Street Apt/Suite No: _____
City: Clifton Springs State: NY Zip: 14432 County: Ontario

Contact Information

Preparer's Name: Katherine Popyack Phone No: (315) 559-2658
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Feb 27, 2020
Contact Name: Arno Bebernitz Affiliation: MANAGER
Phone No: (315) 462-4255 Alt. Phone No: _____ Email: abebernitz@gwlisk.com
Number of Occupants (total): 50 Number of Children: 0
☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): G.W. Lisk Company, Inc. Owner Phone: _____
Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): INDUSTRIAL Bldg Size (S/M/L): LARGE
If Commercial or Industrial Facility, Select Operations: MANUFACTURING If Residential Select Structure Type: _____
Number of Floors: 2 Approx. Year Construction: _____ ☒ Building Insulated? ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):
Tight

Foundation Description

Foundation Type: NO BASEMENT/SLAB Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: POURED CONCRETE Foundation Floor Thickness: 8 Unit: INCHES
Foundation Wall Material: CONCRETE BLOCK Foundation Wall Thickness: _____
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: _____ Basement is: _____ ☐ Sumps/Drains? Water In Sump?: N/A
Describe Foundation Condition (cracks, seepage, etc.) : _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating / Cooling / Ventilation Systems

Heating System: FORCED AIR Heat Fuel Type: GAS ☒ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: GAS Clothes Dryer Fuel Type: NO CLOTHES DRYER
Water Htr Vent Location: OUTSIDE Dryer Vent Location: NONE



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM21 Date: Feb 26, 2020

Bldg Address: 2 South Street Apt/Suite No:

Bldg City/State/Zip: Clifton Springs NY, 14432

Make and Model of PID: Minirae 3000 Date of Calibration: Feb 26, 2020

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
VI-04	Master Stages cleaner IP 2019s	drum	U	Unknown -- "trade secret"	0.0	☐
	Master Stages Whamex XT	drum	U	triethanolamine, monoethanolamine	0.0	☐
	WD 40		U	aliphatic petroleum distillates, petroleum base oil, carbon dioxide	0.0	☐
	Fast and Easy glass cleaner spa ⁺	1 qt	U	butyl hydroxybutyrate, sodium sesquicarbonate, caprylyl/capryl glucoside, sodium laureth sulfate, lauryl glucoside	0.0	☐
	Loctite 648		U	polyurethane methacrylate resin, polyglycol dimethacrylate, acrylic acid, hydroxyalkyl methacrylate, polyglycol dimethacrylate, cumer ⁺	0.0	☐
	Rust Check 1240 EB	drum	U	Unknown	0.0	☐
	Al bradford 15/40		U	Unknown	0.0	☐
	Parts fresh out degreaser			Unknown	116	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Yes ☐ No Were there any elevated PID readings taken on site? ☐ Yes ☐ No ☐ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: G.W. Lisk Company, Inc. Site Code: 442008 Operable Unit: 01

Building Code: MB-RM21 Building Name: Main Building

Address: 2 South Street Apt/Suite No: _____

City: Clifton Springs State: NY Zip: 14432 County: Ontario

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: FULL TIME Floor Material: CEMENT

☒ Inhabited? ☒ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: OTHER ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☒ Solvent or Chemical Odors? Describe Odors (if any): ORganic

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Acetone, isopropyl, xylene, N- +

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:
Manufacturing Operations

☐ Any Prior Testing For Radon? If So, When?: _____

☒ Any Prior Testing For VOCs? If So, When?: Aug 6, 2019

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 40 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.9 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM21 Address: 2 South Street Clifton Springs, NY 14432

Sampling Information

Sampler Name(s): Katherine Popyack, Olivia Botting Sampler Company Code: ERM
Sample Collection Date: Feb 27, 2020 Date Samples Sent To Lab: Feb 27, 2020
Sample Chain of Custody Number: Outdoor Air Sample Location ID: AA

SUMMA Canister Information

Sample ID:	GWL-VI-04(02262)	GWL-AA(0226)			
Location Code:	VI-04	AA			
Location Type:	FIRST FLOOR	OUTDOOR			
Canister ID:	1629	3318			
Regulator ID:	01481	0364			
Matrix:	Indoor Air	Ambient Outd			
Sampling Method:	SUMMA AIR SAMPLI	SUMMA AIR SA			

Sampling Area Info

Slab Thickness (inches):					
Sub-Slab Material:					
Sub-Slab Moisture:					
Seal Type:					
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02/26/2020 10:	02/26/2020			
Vacuum Gauge Start:	-28.85	-29.43			
Sample End Date/Time:	02/27/2020 9:26	02/27/2020			
Vacuum Gauge End:	-4.6	-2.99			
Sample Duration (hrs):	24	24			
Vacuum Gauge Unit:	in(hg)	in(hg)			

Sample QA/QC Readings

Vapor Port Purge:	☐	☐	☐	☐	☐
Purge PID Reading:					
Purge PID Unit:					
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Appendix B
Agency Correspondence
and Approvals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 | F: (585) 226-8139
www.dec.ny.gov

February 14, 2019

Arno Bebernitz
GW Lisk Company Inc.
2 South Street
Clifton Springs, NY 14432

Subject: Draft Final Revised Soil Vapor Intrusion Interim Remedial Measures Work Plan, February 2019
G.W. Lisk NYSDEC Site No. C835026
Clifton Springs (V), Ontario County

Dear Mr. Bebernitz:

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH) collectively referred to as the Departments, have reviewed the "Draft Final Revised Soil Vapor Intrusion Interim Remedial Measures Work Plan," (IRM WP) completed February 2019 for the G.W. Lisk site in the Town of Clifton Springs, Ontario County. The Departments have determined that the IRM WP, with the following comment, substantially addresses the requirements of the Brownfield Cleanup Agreement (BCA):

- The completion dates in the schedule are actual, not estimated and are an enforceable part of the BCA.

With the understanding that the above comment is agreed to, the IRM WP is hereby approved. By March 1, 2019 and before work begins, please distribute final copies as follows:

- Danielle Miles (NYSDEC – Avon, 1 bound hard copy);
- Renata Ockerby (NYSDOH – Albany, electronic file/CD);
- Document Repository (Clifton Springs Public Library – 4 Railroad Ave, hard copy).

If you have questions or concerns, please contact me at (585) 226-5349 or danielle.miles@dec.ny.gov.

Sincerely,



Danielle Miles, EIT
Environmental Engineer

ec:

Jon Fox, ERM
Stephen Mirabello, ERM
Leslie Connolly, Harter Secrest & Emery LLP
Renata Ockerby, NYSDOH
Justin Deming, NYSDOH

Dudley Loew, NYSDEC
Bernette Schilling, NYSDEC
Frank Sowers, NYSDEC
Tasha Mumbrue, NYSDEC



Jon Fox

From: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Sent: Tuesday, June 11, 2019 3:45 PM
To: Jon Fox
Cc: Arno Bebernitz (Abebernitz@gwlisk.com); Ockerby, Renata E (HEALTH); Mumbrue, Tasha L (DEC); Sowers, Frank (DEC); Deming, Justin H (HEALTH); Tim Daniluk; Stephen Mirabello; Ernie Rossano
Subject: RE: G.W. Lisk 2 South Street - SVI Post-Mitigation Results Proposed Approach and Updated SVI IRM Schedule - NYSDEC BCP Site Number C835026

Jon – it is acceptable to conduct the additional indoor air sampling 30 days after the elevator shaft inspection/work is completed. Depending on the day and time I may be able to observe the inspection; Renata will be unavailable.

Thanks,
Danielle

From: Jon Fox <Jon.Fox@erm.com>
Sent: Tuesday, June 11, 2019 11:55 AM
To: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Cc: Arno Bebernitz (Abebernitz@gwlisk.com) <Abebernitz@gwlisk.com>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Mumbrue, Tasha L (DEC) <Tasha.Mumbrue@dec.ny.gov>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: RE: G.W. Lisk 2 South Street - SVI Post-Mitigation Results Proposed Approach and Updated SVI IRM Schedule - NYSDEC BCP Site Number C835026

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Danielle,

Thank you for your response. G.W. Lisk and ERM performed additional inspection and sealing on both sides of the wall between Buildings 7A and 7B on 19 May 2019. We are in the process of arranging for the safe inspection of the bottom of the elevator shaft in Building 7B (and any additional sealing work within that elevator shaft that may be required). We are planning to advise you of the scheduled date/time for the elevator shaft inspection at least one week in advance to provide you and Renata with an opportunity to observe the inspection/work if you would like. The inspection/work may have to be after normal business hours in order to avoid disruption to the facility's production operations.

With regards to the additional indoor air sampling, we recommend performing the additional indoor air sampling after the inspection in the elevator shaft in the event that additional sealing work may be required based on the results of the inspection. Given your guidance below regarding the timing of the additional indoor air sampling, would it be acceptable for us to perform the additional indoor air sampling 30 days after the elevator shaft work is completed?

Regards,
Jon

Jon S. Fox, P.G. (NY, PA)

Principal Consultant Geologist
Environmental Resources Management
5784 Widewaters Parkway
Syracuse, New York 13214 USA
office phone: 315-233-3035
cell phone: 315-256-5352
jon.fox@erm.com



"We can complain because rose bushes have thorns, or rejoice because thorn bushes have roses."
Abraham Lincoln

From: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Sent: Tuesday, June 11, 2019 10:40 AM
To: Jon Fox <Jon.Fox@erm.com>; Mumbrue, Tasha L (DEC) <Tasha.Mumbrue@dec.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Cc: Arno Bebernitz (<Abebernitz@gwlink.com>) <Abebernitz@gwlink.com>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: RE: G.W. Lisk 2 South Street - SVI Post-Mitigation Results Proposed Approach and Updated SVI IRM Schedule - NYSDEC BCP Site Number C835026

Jon,

Renata and I discussed the proposed approach below and approve additional indoor air sampling in Buildings 7A and 7B. It is our understanding that sealing in these areas has already been completed. Please complete the indoor air sampling 30 days after the sealing work was performed. In addition, please provide more information about the elevator shaft as this may be a preferential pathway.

Thank you,
Danielle

From: Jon Fox <Jon.Fox@erm.com>
Sent: Thursday, May 16, 2019 9:16 AM
To: Mumbrue, Tasha L (DEC) <Tasha.Mumbrue@dec.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Cc: Arno Bebernitz (<Abebernitz@gwlink.com>) <Abebernitz@gwlink.com>; Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: G.W. Lisk 2 South Street - SVI Post-Mitigation Results Proposed Approach and Updated SVI IRM Schedule - NYSDEC BCP Site Number C835026

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Tasha and Renata:

Per recent discussions and as indicated in analytical data attached to the April 2019 Monthly Progress Report (MPR) submitted to NYSDEC and NYSDOH on 10 May 2019, G.W. Lisk is submitting this proposed approach to respond to the detected concentrations of TCE in indoor air at sample locations VI-04 and SS-BLDG-7B2 (see attached figure). These locations are within Buildings 7A and 7B at the facility and are close to the wall that separates these buildings and a nearby elevator shaft in Building 7B. The proposed approach includes the following scope of work.

1. Modify HVAC systems to increase fresh air input into Buildings 7A and 7B (completed).
2. Move additional large equipment and perform additional inspection of the joints between the wall and floor of Buildings 7A and 7B and the Building 7B elevator shaft to look for gaps or cracks potentially missed during the recent mitigation effort; seal additional gaps/cracks that are found (if any).
3. Re-sample indoor air at all three sampling points located within Buildings 7A and 7B; sampling will be performed approximately two weeks after the additional inspection and sealing work is completed.

We have prepared and attached an updated project schedule based on this additional proposed work.

Please advise us if this approach is acceptable to the Departments.

Thank you.

Regards,
Jon

Jon S. Fox, P.G. (NY, PA)
Principal Consultant Geologist
Environmental Resources Management
5784 Widewaters Parkway
Syracuse, New York 13214 USA
office phone: 315-233-3035
cell phone: 315-256-5352
jon.fox@erm.com



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Abraham Lincoln

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Jon Fox

From: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Sent: Thursday, July 25, 2019 10:14 AM
To: Jon Fox; Ockerby, Renata E (HEALTH)
Subject: RE: G.W. Lisk Post-Mitigation Indoor Air Sampling - NYSDEC BCP Site Number C835026

Jon – I just spoke with Renata. We find the below method acceptable.

From: Jon Fox <Jon.Fox@erm.com>
Sent: Friday, July 19, 2019 3:59 PM
To: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Subject: G.W. Lisk Post-Mitigation Indoor Air Sampling - NYSDEC BCP Site Number C835026

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Danielle and Renata,

I'd like to notify you that we are planning to perform post-mitigation indoor air sampling in Buildings 7A and 7B on Tuesday, 6-Aug-2019, which will be 35 days after we completed the additional sealing work at the facility. Our e-mail dated 28-Jun-2019 indicated we will be collecting indoor air samples and not sub-slab soil vapor samples. I'd just like to check with you to verify that you are aware that we are not planning on collecting sub-slab soil vapor samples during this sampling event. Please let me know if this is OK with you.

Thank you.

Regards,
Jon

Jon S. Fox, P.G. (NY, PA)
Principal Consultant Geologist
Environmental Resources Management
5784 Widewaters Parkway
Syracuse, New York 13214 USA
office phone: 315-233-3035
cell phone: 315-256-5352
jon.fox@erm.com



"We can complain because rose bushes have thorns, or rejoice because thorn bushes have roses."
Abraham Lincoln

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Jon Fox

From: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Sent: Thursday, November 21, 2019 2:30 PM
To: Jon Fox; Ockerby, Renata E (HEALTH)
Cc: Arno Bebernitz (Abebernitz@gwlisk.com); Deming, Justin H (HEALTH); Sowers, Frank (DEC); Pratt, David (DEC); Loew, Dudley D (DEC); Leslie M. Connolly Esq. (lconnolly@hselaw.com); lmsmith@hselaw.com; Tim Daniluk; Stephen Mirabello; Ernie Rossano
Subject: RE: G.W. Lisk 2 South Street - Validated 2nd Round Post-Mitigation Indoor Air Results and Proposed Next Steps - NYSDEC BCP Site Number C835026

Jon,

The Departments find the proposed additional mitigation and sampling work acceptable. Please proceed as indicated below. Additionally, please provide an updated schedule for remaining work associated with the SVI IRM.

Thank you,
Danielle

From: Jon Fox <Jon.Fox@erm.com>
Sent: Friday, November 15, 2019 4:27 PM
To: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Cc: Arno Bebernitz (Abebernitz@gwlisk.com) <Abebernitz@gwlisk.com>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Loew, Dudley D (DEC) <dudley.loew@dec.ny.gov>; Leslie M. Connolly Esq. (lconnolly@hselaw.com) <lconnolly@hselaw.com>; lmsmith@hselaw.com; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: RE: G.W. Lisk 2 South Street - Validated 2nd Round Post-Mitigation Indoor Air Results and Proposed Next Steps - NYSDEC BCP Site Number C835026

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Danielle,

As requested, the approximate location of the Building 7B elevator shaft (shown as a magenta-colored square; this symbol and its description has also been added into the legend) is shown in the attached updated Figure 3-3.

Regards,
Jon

Jon S. Fox, P.G. (NY, PA)
Principal Consultant Geologist
Environmental Resources Management
5784 Widewaters Parkway
Syracuse, New York 13214 USA
office phone: 315-233-3035
cell phone: 315-256-5352
jon.fox@erm.com



"We can complain because rose bushes have thorns, or rejoice because thorn bushes have roses."
Abraham Lincoln

From: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>
Sent: Friday, November 15, 2019 2:33 PM
To: Jon Fox <Jon.Fox@erm.com>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Cc: Arno Bebernitz (Abebernitz@gwllisk.com) <Abebernitz@gwllisk.com>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Loew, Dudley D (DEC) <dudley.loew@dec.ny.gov>; Leslie M. Connolly Esq. (lconnolly@hselaw.com) <lconnolly@hselaw.com>; lmsmith@hselaw.com; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: RE: G.W. Lisk 2 South Street - Validated 2nd Round Post-Mitigation Indoor Air Results and Proposed Next Steps - NYSDEC BCP Site Number C835026

Jon – could you please indicate on Figure 3-3 the approximate location of the elevator shaft you reference below?

Thanks,
Danielle

From: Jon Fox <Jon.Fox@erm.com>
Sent: Friday, November 15, 2019 2:12 PM
To: Miles, Danielle J (DEC) <Danielle.Miles@dec.ny.gov>; Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>
Cc: Arno Bebernitz (Abebernitz@gwllisk.com) <Abebernitz@gwllisk.com>; Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>; Pratt, David (DEC) <david.pratt@dec.ny.gov>; Loew, Dudley D (DEC) <dudley.loew@dec.ny.gov>; Leslie M. Connolly Esq. (lconnolly@hselaw.com) <lconnolly@hselaw.com>; lmsmith@hselaw.com; Tim Daniluk <Tim.Daniluk@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Ernie Rossano <Ernie.Rossano@erm.com>
Subject: G.W. Lisk 2 South Street - Validated 2nd Round Post-Mitigation Indoor Air Results and Proposed Next Steps - NYSDEC BCP Site Number C835026

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Danielle and Renata:

On behalf of the G.W. Lisk Company, Inc. (G.W. Lisk), please find attached a table summarizing the validated laboratory analytical results for the indoor air sampling conducted after the most recent round of mitigation performed inside Building 7B as part of the approved Soil Vapor Intrusion (SVI) Interim Remedial Measure (IRM). Review of the attached table indicates that trichloroethene (TCE) has been detected in indoor air at concentrations above the current NYSDOH Air Guideline Value of 2 µg/m³ near the boundary between Buildings 7A and 7B (locations Bldg-7B-1, Bldg-7B-2, and VI-04; please see the attached Figure 3-3 for sample locations).

Recent mitigation work included the Building 7B elevator shaft and involved the sealing of visible gaps between cinder blocks in the walls of the elevator shaft (please see the attached photograph "010.jpg" which shows the sealing

approach previously used in this elevator shaft). The floor of the Building 7B elevator shaft is approximately four feet below the floor level of Building 7B. As seen in the attached photograph, the elevator shaft walls are constructed with cinder blocks, the surface of which were never previously sealed. Therefore, we believe it is possible that the cinder block walls may be somewhat permeable to vapors. In order to further address a potential pathway for subsurface vapors into indoor air at the facility, G.W. Lisk proposes to perform the following additional mitigation work:

1. thoroughly scrape, vacuum, and wash all walls and floor surfaces of the Building 7B elevator shaft at elevations at or below the building's floor level; allow to dry;
2. apply a thick coat of Drylok® Original Basement and Masonry Waterproof Sealer (or equivalent masonry sealant) to all walls and the floor of the Building 7B elevator shaft at or below the building's floor level;
3. allow 24 hours for the first coat of Drylok® to cure;
4. apply a second thick coat of Drylok® to all walls and the floor of the Building 7B elevator shaft at or below the building's floor level; and
5. a minimum of 30 days after application of the second coat of Drylok®, collect an additional round of indoor air samples at locations Bldg-7B-1, Bldg-7B-2, and VI-04.

The Safety Data Sheet for Drylok® (attached) indicates "...this product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR Part 122.21 and 40 CFR Part 122.42)".

Two products that are currently used in manufacturing operations inside Buildings 7A and 7B (as well as other parts of the Main Building) contain significant concentrations of the VOC dichloroethene (DCE) as demonstrated by the attached Safety Data Sheets for these products (3M Novec Flux Remover and Techspray G3 Universal Cleaner). In addition to the mitigation work proposed above, G.W. Lisk proposes to collect four samples of these products (two from each product) for analysis of chlorinated VOCs by USEPA Method TO-15 to evaluate whether or not TCE may be present within these products.

The preliminary analytical results of the additional mitigation and sampling effort will be reported to NYSDEC and NYSDOH for review and discussion. The final validated analytical results will be reported to NYSDEC and NYSDOH in the SVI IRM Construction Completion Report.

Please advise us if the proposed additional mitigation and sampling work is acceptable to NYSDEC and NYSDOH.

Thank you and please contact me with any questions.

Regards,
Jon

Jon S. Fox, P.G. (NY, PA)
Principal Consultant Geologist
Environmental Resources Management
5784 Widewaters Parkway
Syracuse, New York 13214 USA
office phone: 315-233-3035
cell phone: 315-256-5352
jon.fox@erm.com



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Abraham Lincoln

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Appendix C

Lab Reports

*Note: Laboratory data submitted
electronically*

Appendix D
Photographic Logs

ERM Project # 0500166

PHOTO LOG

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 1	Date: 3/4/2019	
Description: Example of sealed floor crack.		

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 2	Date: 3/4/2019	
Description: Floor crack prior to sealing.		

ERM Project # 0500166

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 3	Date: 3/4/2019	
Description: Floor slab seam and wall gap after sealing in Building 7.		

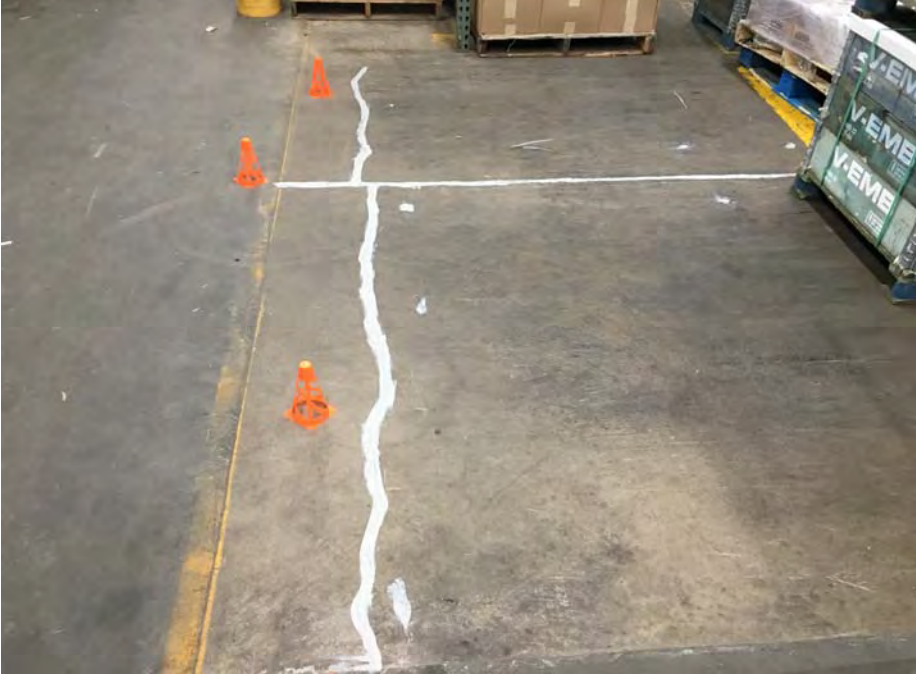
Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 4	Date: 3/4/2019	
Description: Floor and wall gap after sealing in Building 7.		

ERM Project # 0500166

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 5	Date: 3/4/2019	
Description: Sealing floor cracks in Building 7.		

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 6	Date: 3/4/2019	
Description: Sealed wall joint in Building 7.		

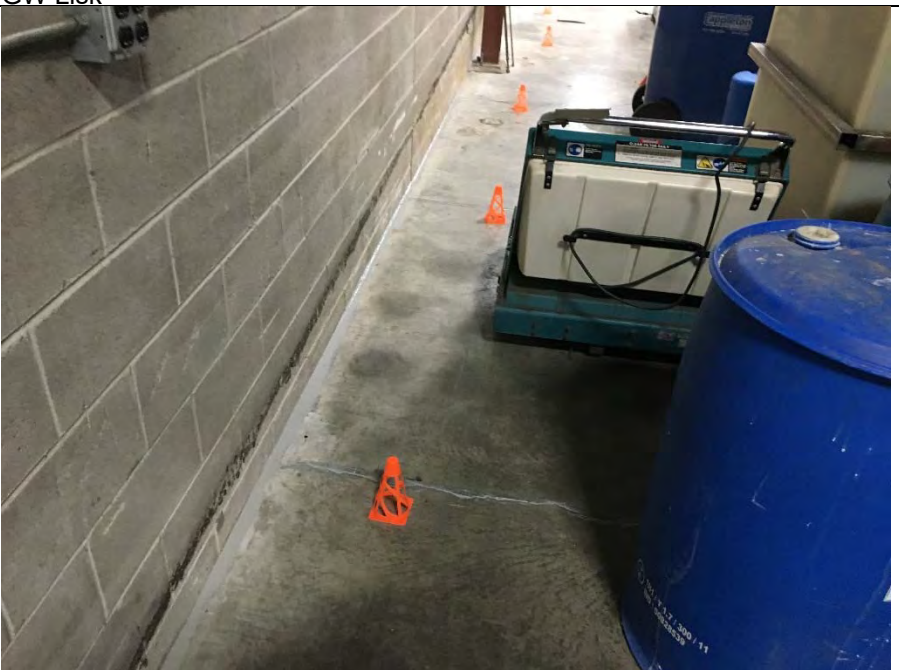
ERM Project # 0500166

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 7	Date: 3/4/2019	
Description: Sealed slab cracks and floor joint in Building 7.		

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 8	Date: 3/4/2019	
Description: Sealed cracks and floor joints in Building 7A.		

ERM Project # 0500166

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 9	Date: 3/4/2019	
Description: Sealed cracks in vacuum furnace room.		

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 10	Date: 3/4/2019	
Description: Sealed wall joint in vacuum furnace room.		

ERM Project # 0500166

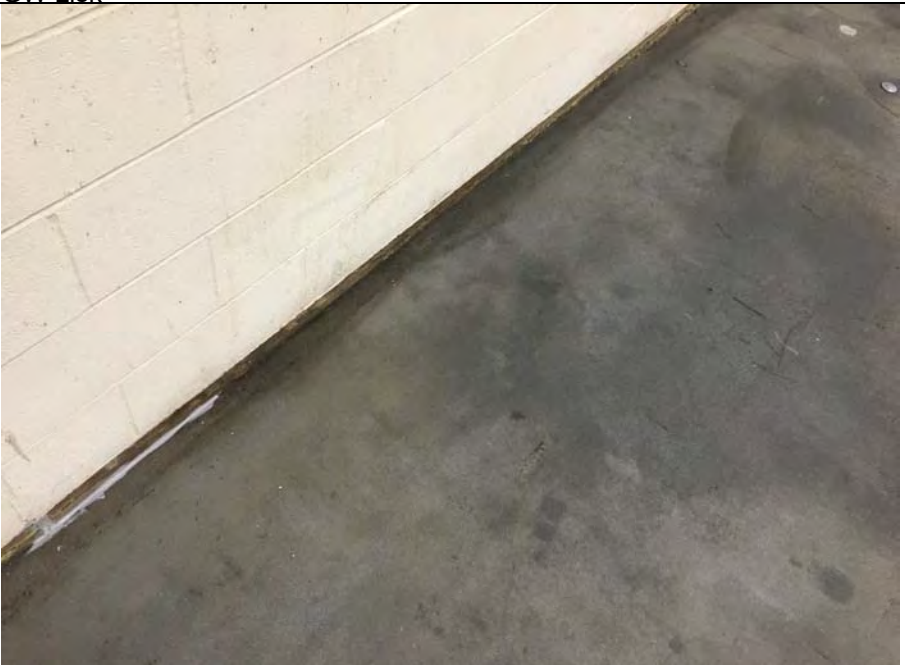
Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 11	Date: 3/4/2019	
Description: Sealed cracks in Building 6.		

Property ID: Parcel Name: GW Lisk		Property Location: GW Lisk
Photo #: 12	Date: 3/4/2019	
Description: Sealed cracks in Building 6.		

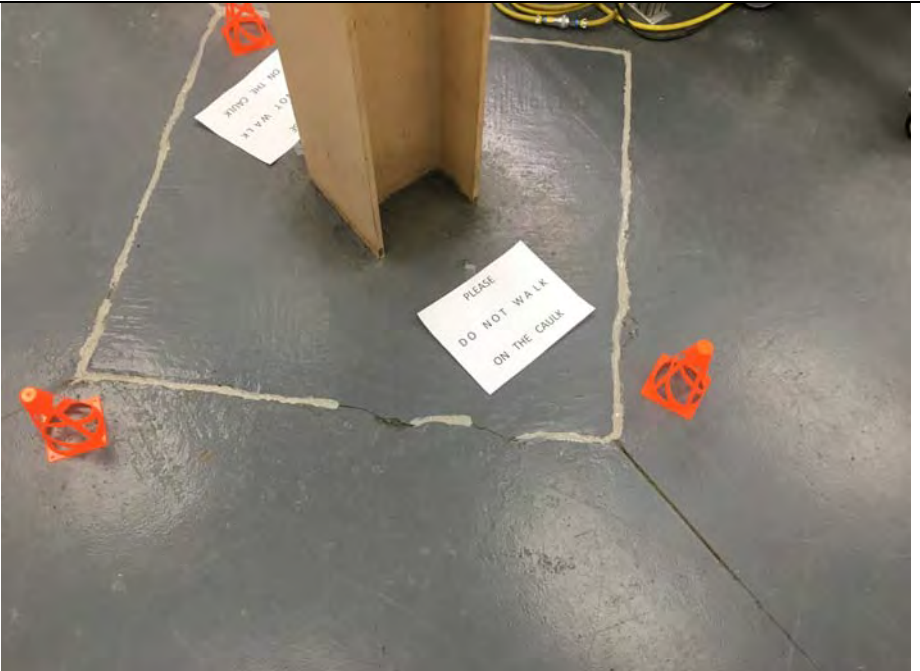
ERM Project # 0500166

PHOTO LOG

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 1	Date: 3/5/2019	
Description: Floor joint gap in Building 6.		

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 2	Date: 3/5/2019	
Description: Wall joint gap after sealing in Building 6.		

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 3	Date: 3/5/2019	
Description: Floor joint after sealing in Building 7.		

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 4	Date: 3/5/2019	
Description: Floor joint seal in Building 7.		

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 5	Date: 3/5/2019	
Description: Floor crack in Building 7 during sealing activities.		

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 6	Date: 3/5/2019	
Description: Floor joint in Building 6 after sealing..		

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 7	Date: 3/5/2019	 A photograph showing a worker in a black shirt and cap kneeling on a concrete floor in a warehouse. The worker is using a yellow and black sealant gun to apply a white substance to a crack in the floor. The floor is surrounded by numerous cardboard boxes stacked on pallets.
Description: Sealing floor joints and cracks in Building 7.		

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 8	Date: 3/5/2019	 A photograph showing a concrete wall in a basement. A white sealant has been applied along a joint in the wall. A black pipe runs horizontally along the wall. To the right, there are black barrels and a white jug.
Description: Sealed wall joint in Building 7.		

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 9	Date: 3/5/2019	
Description: Sealed floor cracks in Building 7.		

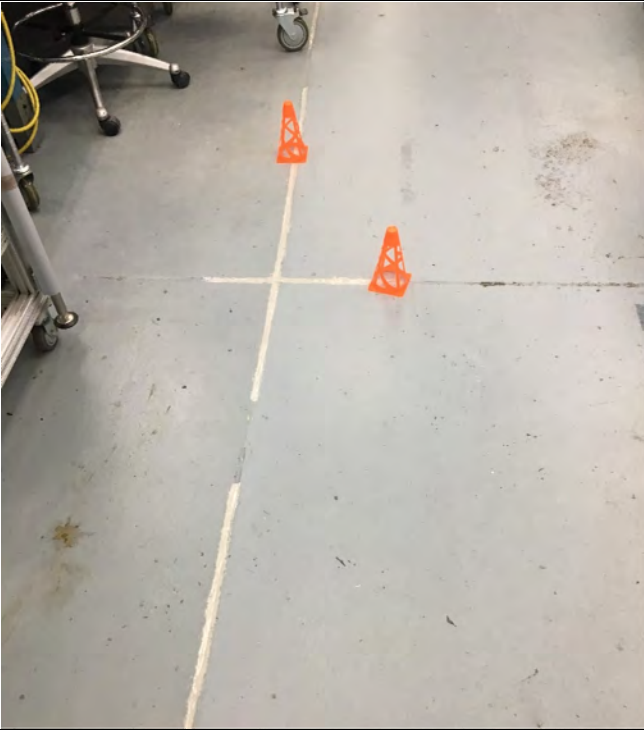
Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 10	Date: 3/5/2019	
Description: Sealed floor joint in Building 7.		

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk	
Photo #: 11	Date: 3/5/2019		
Description: Sealed floor joint in Building 7.			

Property ID: Parcel Name:		Property Location: GW Lisk	
Photo #: 12	Date: 3/5/2019		
Description: Sealed floor cracks in Building 7.			

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk	
Photo #: 13	Date: 3/5/2019		
Description: Sealed floor joints in Building 7.			

Property ID: Parcel Name:		Property Location: GW Lisk	
Photo #: 14	Date: 3/5/2019		
Description: Sealed floor penetrations and well box cover in Building 4A.			

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk	
Photo #: 15	Date: 3/5/2019		
Description: Sealed floor joint in Building 4A.			

Property ID:		Property Location:	
Parcel Name:		GW Lisk	
Photo #: 16	Date: 3/5/2019		
Description:			
Sealed floor cracks in Building 4A.			

ERM Project # 0500166

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 17	Date: 3/5/2019	
Description: Sealed floor cracks in Building 4A.		

Property ID: Parcel Name:		Property Location: GW Lisk
Photo #: 18	Date: 3/5/2019	
Description: Sealed floor cracks in Building 4A.		

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 1	Date: 19-May-2019		
Description: Building 7B elevator.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 2	Date: 19-May-2019	
Description: Interior wall of Building 7B elevator shaft.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 3	Date: 19-May-2019		
Description: Interior wall of Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 4	Date: 19-May-2019		
Description: Interior wall of Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 5	Date: 19-May-2019		
Description: Edge of Building 7B elevator shaft.			

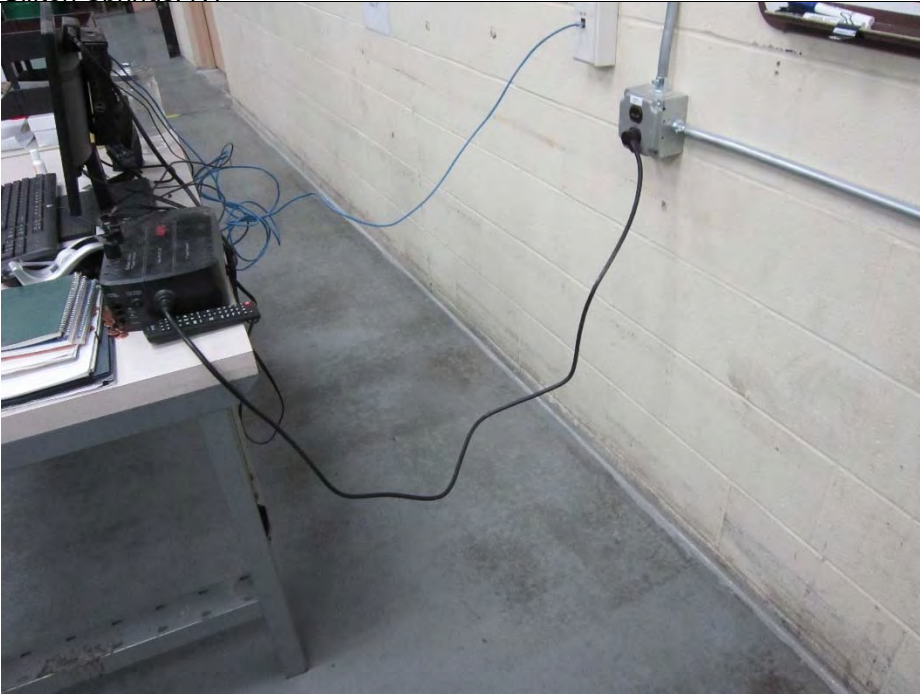
Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 6	Date: 19-May-2019		
Description: Floor gap at slab level of Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 7	Date: 19-May-2019	
Description: Vapor point and monitoring well in Building 7A.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 8	Date: 19-May-2019	
Description: Vapor point and monitoring wells in Building 7A.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 9	Date: 19-May-2019	
Description: Wall joint in Building 7A after sealing.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 10	Date: 19-May-2019	
Description: Wall joint in Building 7A after sealing.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 11	Date: 19-May-2019	
Description: Wall joint in Building 7A after sealing.		

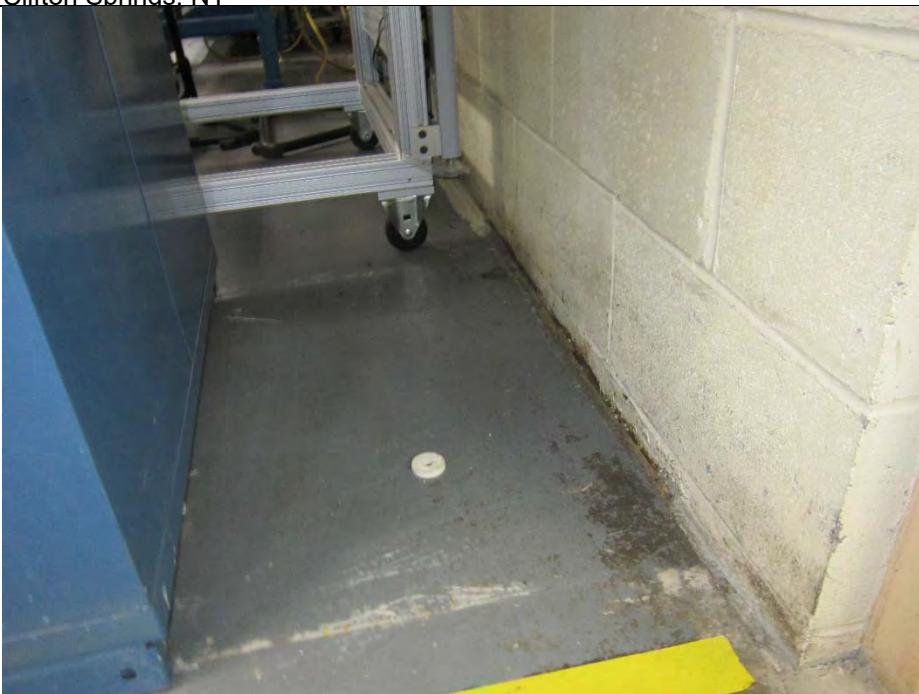
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 12	Date: 19-May-2019	
Description: Interior of Building 7A.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 13	Date: 19-May-2019	
Description: Building 7A.		

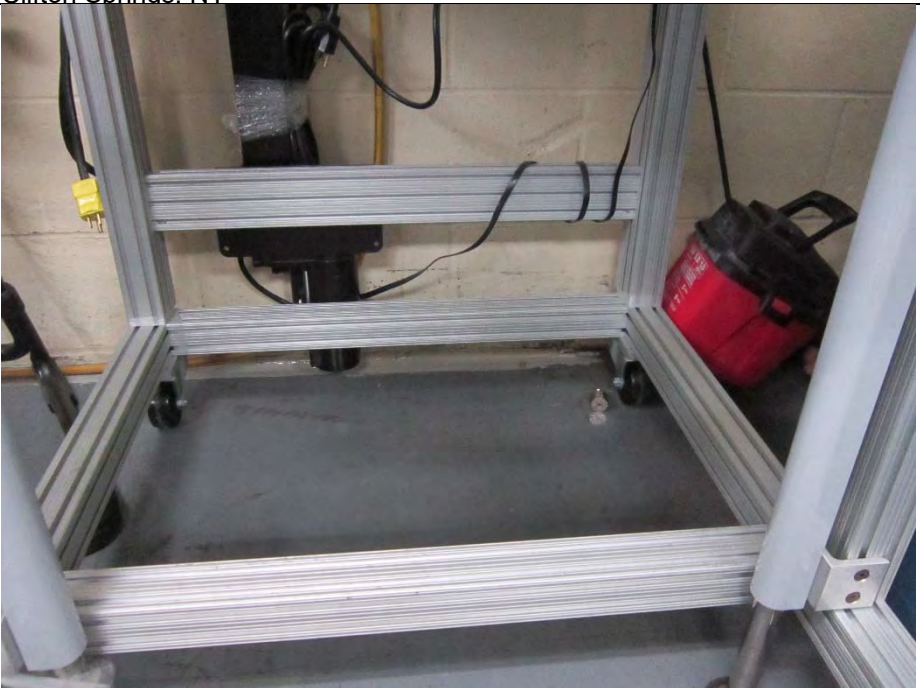
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 14	Date: 19-May-2019		
Description: Wall joint after sealing in Building 7A.			

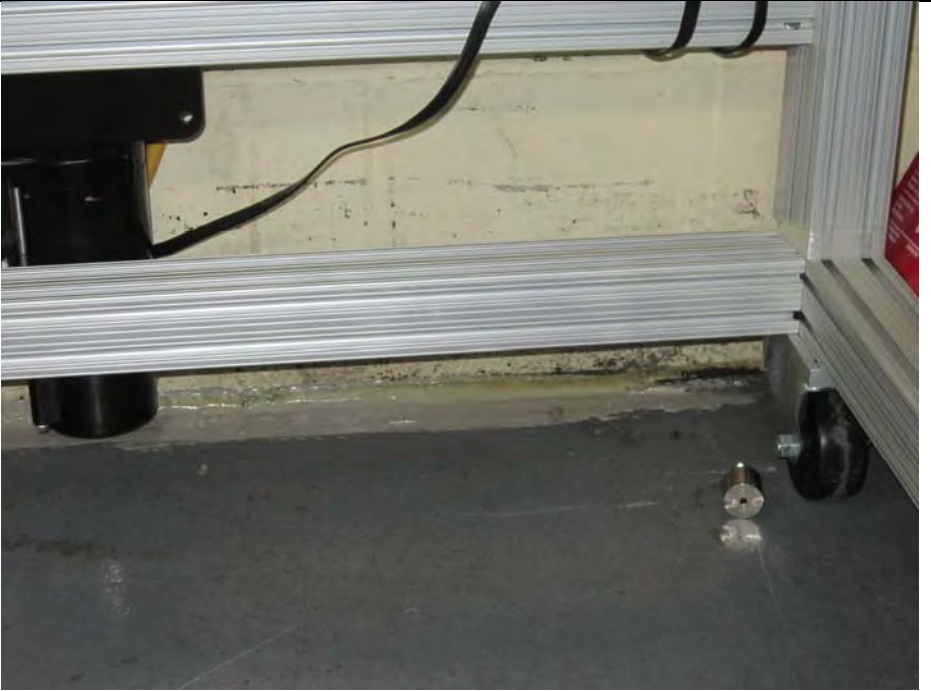
Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 15	Date: 19-May-2019		
Description: Wall joint prior to sealing in Building 7B.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 16	Date: 19-May-2019	
Description: Sealing of wall joint in Building 7B.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 17	Date: 19-May-2019	
Description: Sealed wall joint in Building 7B.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 18	Date: 19-May-2019	
Description: Sealed wall joint in Building 7B, close-up view of Photo #17.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 19	Date: 19-May-2019	
Description: Vapor point and wall joint pictured in Photos #17 & 18.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 20	Date: 19-May-2019	
Description: Sealed wall joint in Building 7B.		

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 23	Date: 19-May-2019		
Description: Close-up of sealed wall joint.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 24	Date: 19-May-2019		
Description: Close-up of sealed wall joint.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 25	Date: 19-May-2019		
Description: Close-up of sealed wall joint.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 26	Date: 19-May-2019		
Description: Sealant used for mitigation activities.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 27	Date: 19-May-2019	
Description: Sealed wall joint in Building 7B.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 28	Date: 19-May-2019	
Description: GW Lisk work stations.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 29	Date: 19-May-2019	
Description: Sealed floor joints in Building 7B.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 30	Date: 19-May-2019	
Description: Vapor point and monitoring wells in Building 7A.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 31	Date: 19-May-2019	
Description: Sealed wall joint in Building 7A.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 32	Date: 19-May-2019	
Description: Looking upstream at Sulphur Creek as it flows toward the GW Lisk facility.		

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 1	Date: 21-Jun-2019		
Description: Building 7B elevator.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 2	Date: 21-Jun-2019		
Description: Sump in Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 3	Date: 21-Jun-2019		
Description: Sump in Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 4	Date: 21-Jun-2019		
Description: Sump in Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 5	Date: 21-Jun-2019		
Description: Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 6	Date: 21-Jun-2019		
Description: Wall crack in Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 7	Date: 21-Jun-2019		
Description: Interior of Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 8	Date: 21-Jun-2019		
Description: Interior of Building 7B elevator shaft.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 9	Date: 21-Jun-2019		
Description: Interior of Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 10	Date: 21-Jun-2019		
Description: Interior of Building 7B elevator shaft after sealing of wall cracks.			

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 11	Date: 21-Jun-2019		
Description: Sealed cracks in Building 7B elevator shaft.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 12	Date: 21-Jun-2019		
Description: Sealed cracks in Building 7B elevator shaft.			

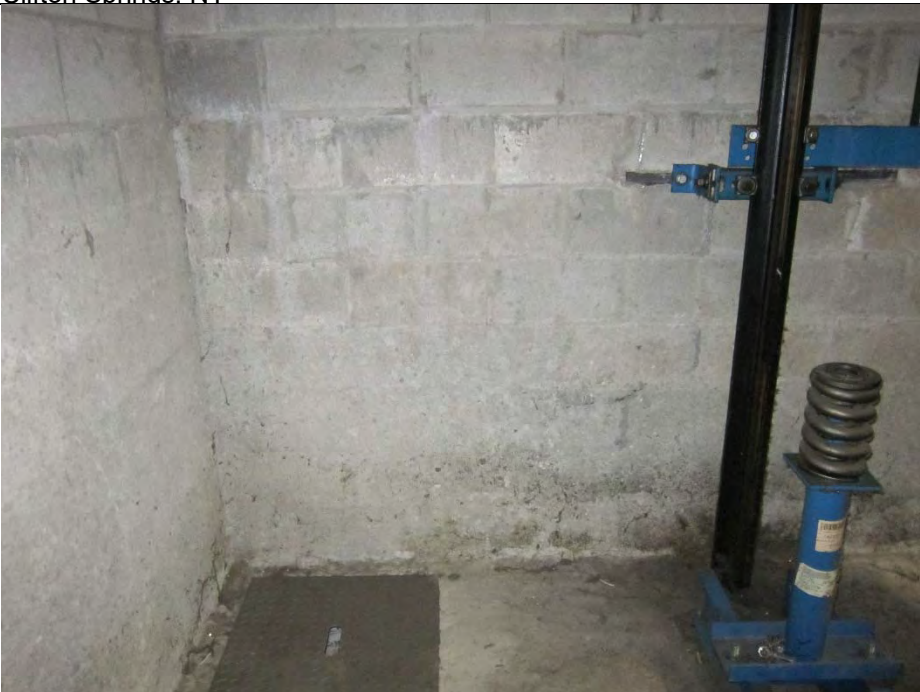
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 13	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 14	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

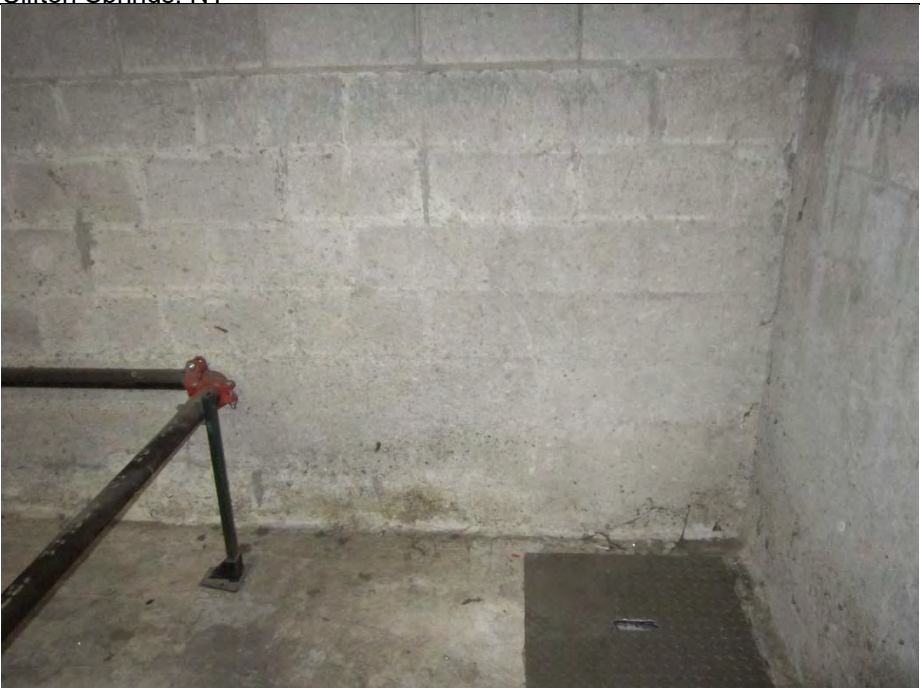
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 15	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 16	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 17	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 18	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 19	Date: 21-Jun-2019	
Description: Sealed cracks in Building 7B elevator shaft.		

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 1	Date: 02-Jul-2019		
Description: GW Lisk personnel sealing additional floor and wall joints in Building 7B.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 2	Date: 02-Jul-2019		
Description: View of sealed wall joint in Building 7B.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 3	Date: 02-Jul-2019		
Description: Close up of sealed wall joint in Building 7B.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 4	Date: 02-Jul-2019	
Description: GW Lisk personnel sealing additional wall joints in Building 7B.		

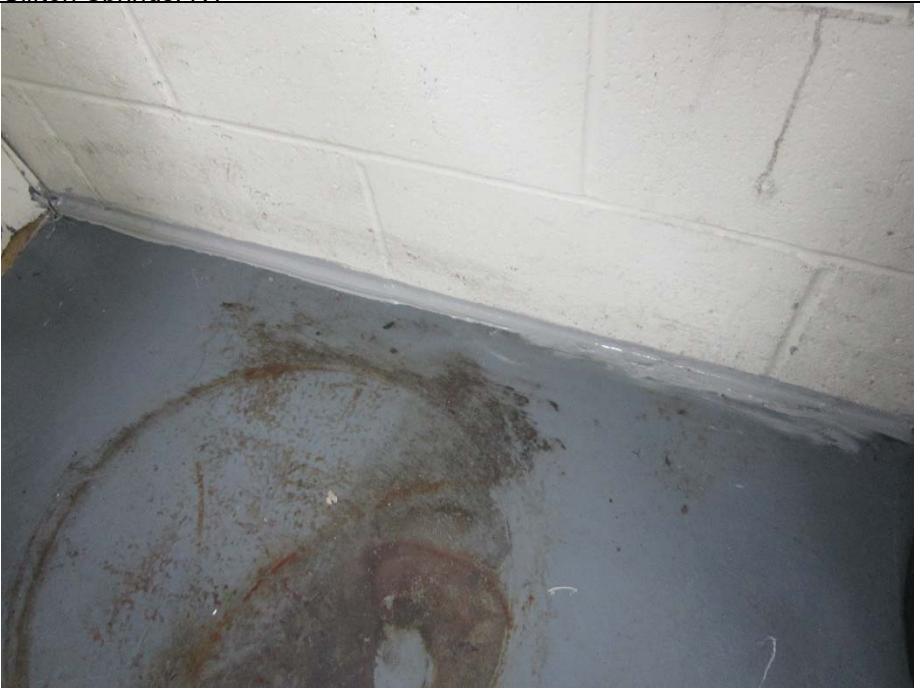
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 5	Date: 02-Jul-2019		
Description: Sealed wall joint in Building 7B.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 6	Date: 02-Jul-2019		
Description: Boundary between Building 7A and Building 7B.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 7	Date: 02-Jul-2019		
Description: Tube of sealing agent used for mitigation of cracks and joints.			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 8	Date: 02-Jul-2019		
Description: Sealed wall joint in Building 7A.			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 9	Date: 02-Jul-2019	
Description: Boundary between Building 6 and Building 7A.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 10	Date: 02-Jul-2019	
Description: Gap in wall joint prior to sealing.		

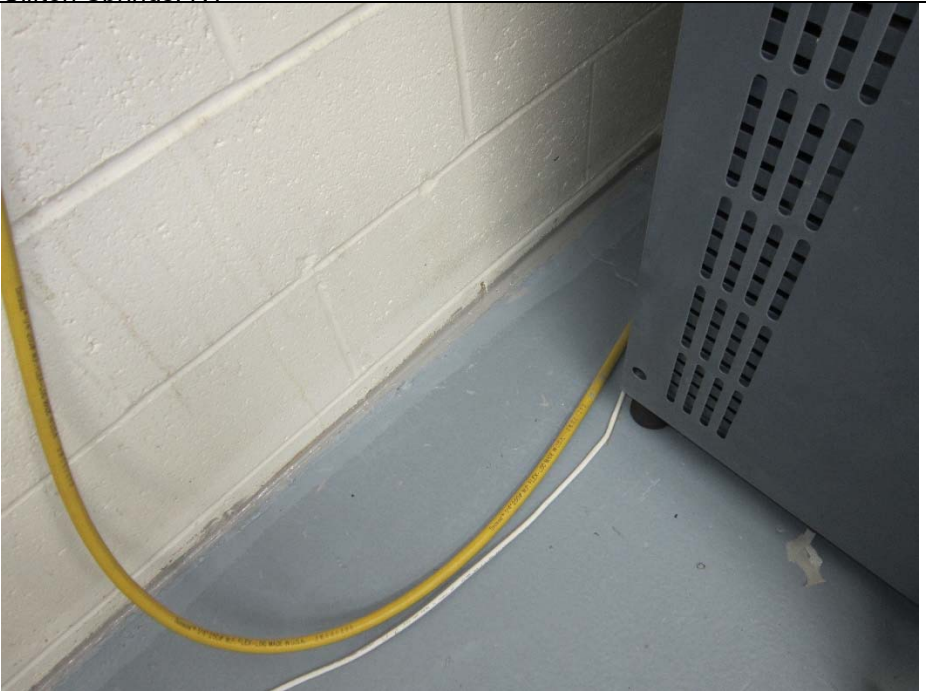
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 11	Date: 02-Jul-2019	
Description: View of wall joint in Photo #10 after sealing.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 12	Date: 02-Jul-2019	
Description: Close-up view of wall joint after sealing.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 13	Date: 02-Jul-2019	
Description: Boundary between Building 7A and Building 7B.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 14	Date: 02-Jul-2019	
Description: Close-up of wall joint after sealing.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 15	Date: 02-Jul-2019	
Description: GW Lisk personnel sealing wall joint in Building 7B.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 16	Date: 02-Jul-2019	
Description: Sealed well covers in Building 7A.		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 17	Date: 02-Jul-2019	
Description: Wall joint sealed in Building 7A.		

ERM Project # 0500166

PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 1	Date: 25- January-2020	
Description: View of Building 7B elevator shaft sump prior to sealing with DRYLOK™.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 2	Date: 25- January-2020	
Description: View of Building 7B elevator shaft sump following application of first coat of DRYLOK™.		

ERM Project # 0500166

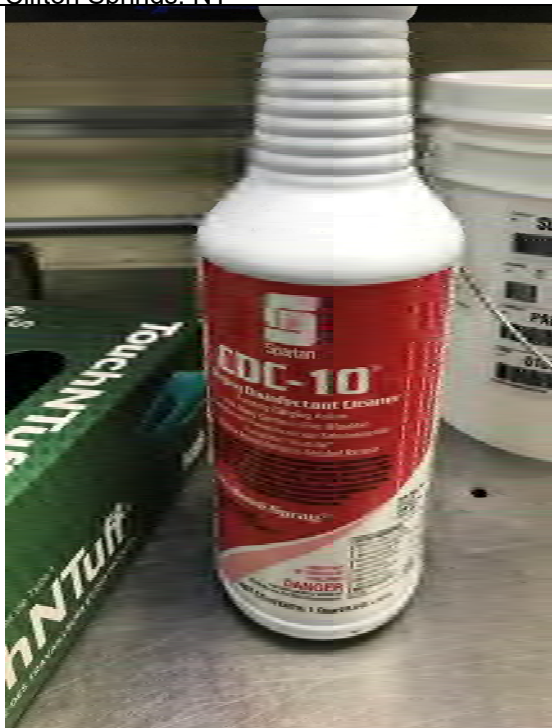
Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 3	Date: 25-January-2020	
Description: View of Building 7B elevator shaft sump following application of first coat of DRYLOK™ during drying/curing time.		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 4	Date: 25-January-2020	
Description: View of Building 7B elevator shaft sump following application of second coat of DRYLOK™.		

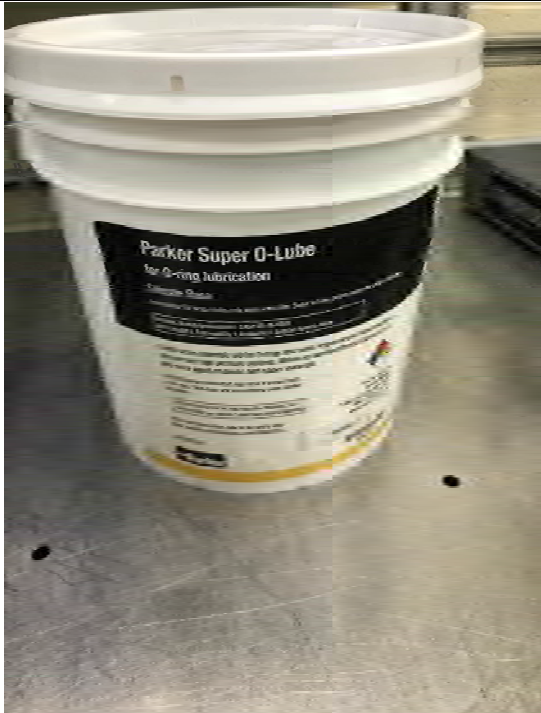
ERM Project # 0500166

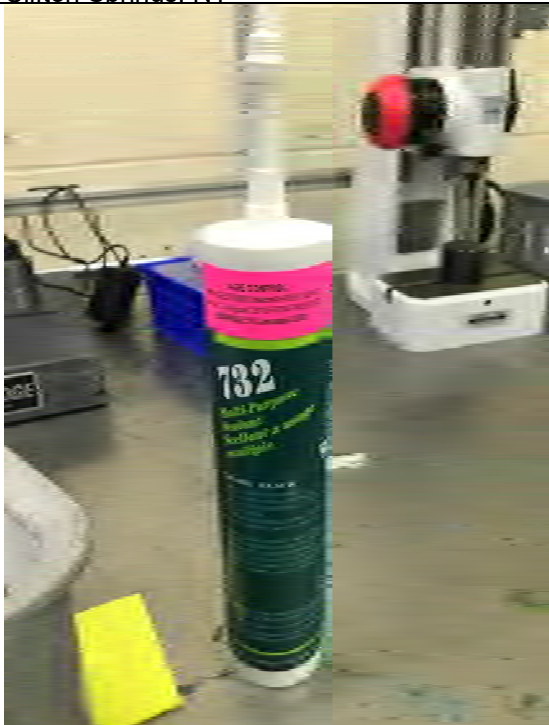
PHOTO LOG

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 1	Date: 02/26/2020		
Description: White Board Cleaner			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 2	Date: 02/26/2020		
Description: Disinfectant Cleaner			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 3	Date: 02/26/2020	
Description: Lubrication		

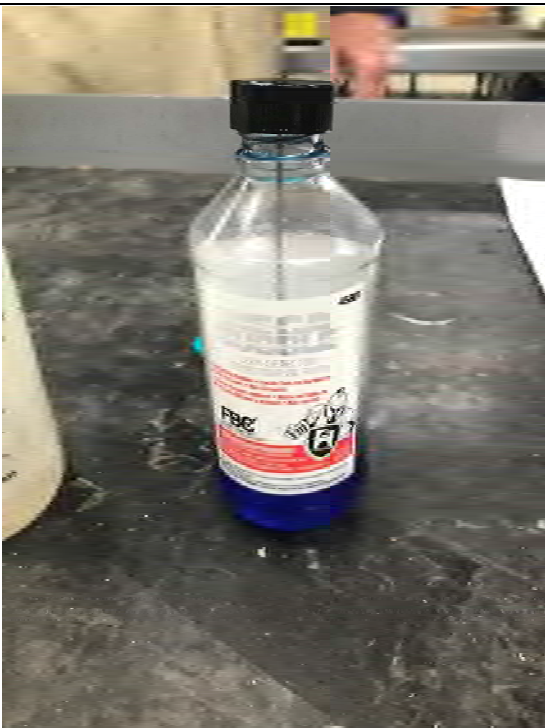
Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 4	Date: 02/26/2020	
Description: Multi-Purpose Sealant		

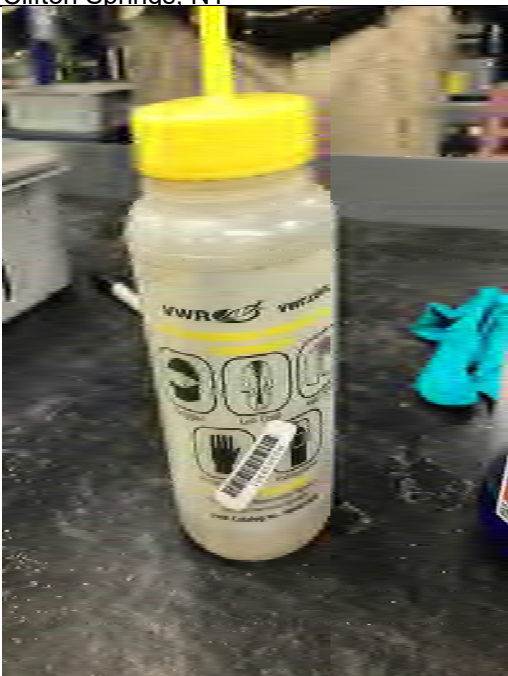
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 5	Date: 02/26/2020		
Description: Remover and Prep for DYKEM fluids			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 6	Date: 02/26/2020		
Description: All purpose lubrication			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 7	Date: 02/26/2020		
Description: Leak detector			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 8	Date: 02/26/2020		
Description: Isopropyl Alcohol			

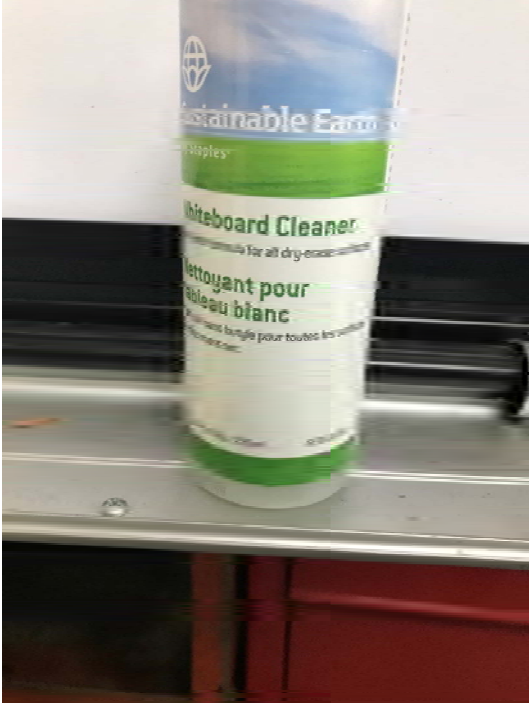
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 9	Date: 02/26/2020		
Description: Threadlocker			

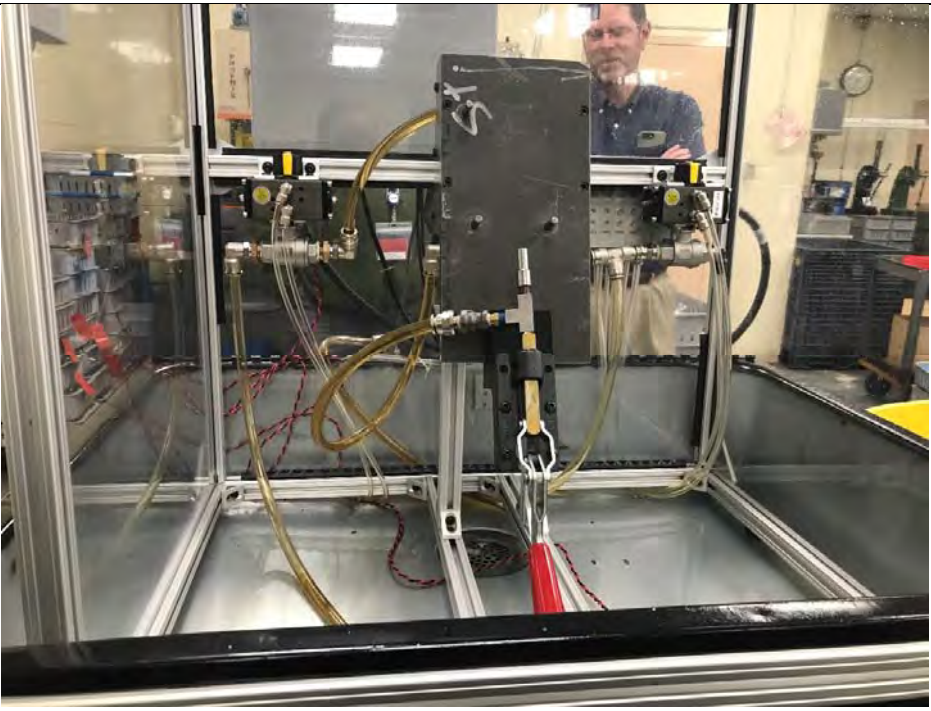
Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 10	Date: 02/26/2020		
Description: Liquid Leak Detector			

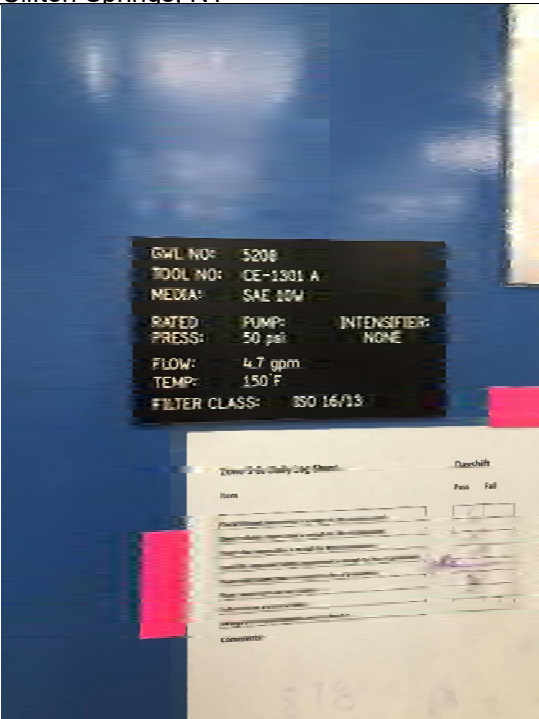
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 11	Date: 02/26/2020		
Description: Disinfectant Cleaner			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 12	Date: 02/26/2020		
Description: Whiteboard Cleaner			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 13	Date: 02/26/2020	
Description: Mineral Spirits		

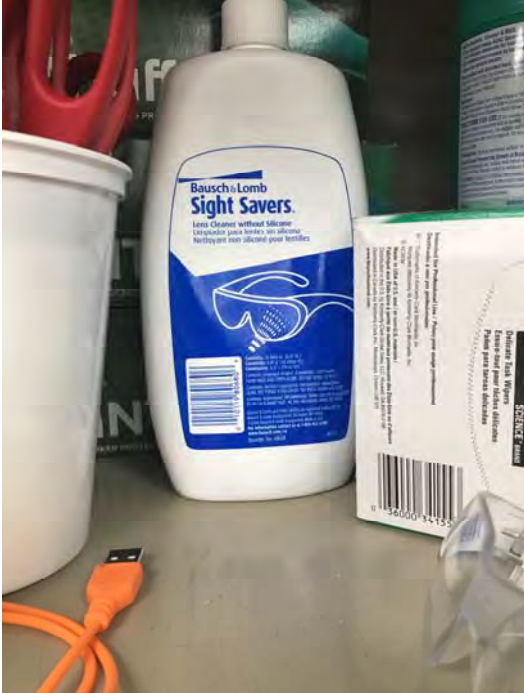
Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 14	Date: 02/26/2020	
Description: SAE 10W (Motor Oil)		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 15	Date: 02/26/2020	
Description: Damping Fluid		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 16	Date: 02/26/2020	
Description: Cleaning Supplies		

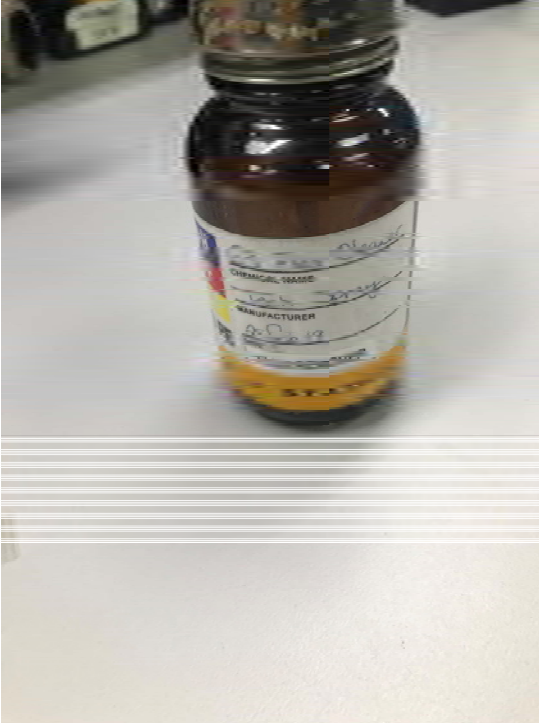
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 17	Date: 02/26/2020	
Description: Lens Cleaning Cloths		

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 18	Date: 02/26/2020		
Description: Compressed Argon and Hydrogen Gasses			

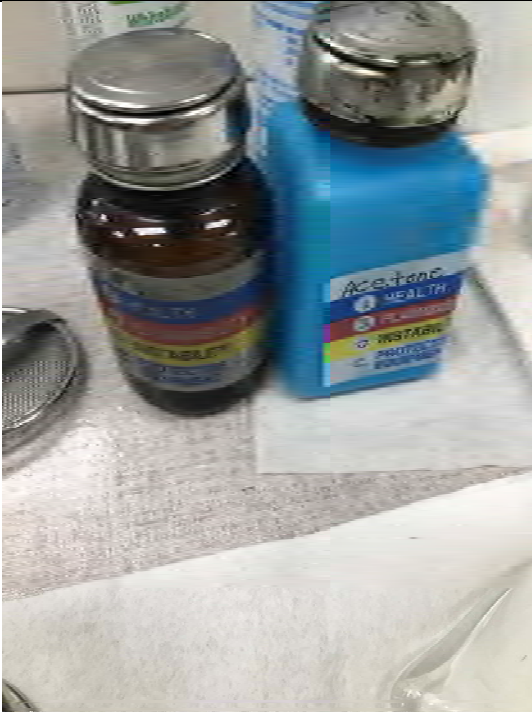
ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 19	Date: 02/26/2020	
Description: Whiteboard cleaner and Solution solvent		

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 20	Date: 02/26/2020	
Description: G3 Flux Cleaner		

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 21	Date: 02/26/2020		
Description: Cleaning wipes			

Property ID: GW Lisk		Property Location: Clifton Springs, NY	
Photo #: 22	Date: 02/26/2020		
Description: Acetone (blue) and Flux (amber)			

ERM Project # 0500166

Property ID: GW Lisk		Property Location: Clifton Springs, NY
Photo #: 23	Date: 02/26/2020	
Description: Cabinet containing various chemical reagents used during production		

Appendix E
Data Usability
Summary Reports

DATA USABILITY SUMMARY REPORT (DUSR)

Client: Environmental Resources Management

Site: G.W. Lisk Facility - Clifton Springs, New York

Laboratory: Alpha Analytical – Mansfield, MA

Lab Number: L1911106

Date: June 14, 2019

EDS Sample ID	Client Sample ID	Laboratory Sample ID	Matrix
01	GWL-AA	L1911106-01	Ambient Air
02	GWL-SS-AOPC-5	L1911106-02	Sub-Slab Vapor
03	GWL-IA-AOPC-5	L1911106-03	Indoor Air
04	GWL-SS-BLDG-7B-1	L1911106-04	Sub-Slab Vapor
05	GWL-IA-BLDG-7B-1	L1911106-05	Indoor Air
06	GWL-SS-BLDG-7B-2	L1911106-06	Sub-Slab Vapor
07	GWL-IA-BLDG-7B-2	L1911106-07	Indoor Air
08	GWL-SS-VI-04	L1911106-08	Sub-Slab Vapor
09	GWL-IA-VI-04	L1911106-09	Indoor Air
10	GWL-DUP (IA-VI-03)	L1911106-10	Indoor Air
11	GWL-SS-VI-03	L1911106-11	Sub-Slab Vapor
12	GWL-IA-VI-03	L1911106-12	Indoor Air
13	GWL-SS-BLDG-6	L1911106-13	Sub-Slab Vapor
14	GWL-IA-BLDG-6	L1911106-14	Indoor Air
15	GWL-SS-BLDG-5	L1911106-15	Sub-Slab Vapor
16	GWL-IA-BLDG-5	L1911106-16	Indoor Air
17	GWL-SS-BLDG-4M	L1911106-17	Sub-Slab Vapor
18	GWL-IA-BLDG-4M	L1911106-18	Indoor Air
19	GWL-SS-VI-02	L1911106-19	Sub-Slab Vapor
20	GWL-IA-VI-02	L1911106-20	Indoor Air
21	GWL-DUP2 (IA-VI-02)	L1911106-21	Indoor Air
22	GWL-SS-BLDG-4C	L1911106-22	Sub-Slab Vapor
23	GWL-IA-BLDG-4C	L1911106-23	Indoor Air
24	GWL-SS-BLDG-4A	L1911106-24	Sub-Slab Vapor
25	GWL-IA-BLDG-4A	L1911106-25	Indoor Air
26	GWL-SS-BLDG-4D	L1911106-26	Sub-Slab Vapor
27	GWL-IA-BLDG-4D	L1911106-27	Indoor Air

VOLATILE ORGANIC COMPOUNDS (VOCs)

Compendium Method TO-15

The samples were analyzed following “Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B”, Compendium Method TO-15, “Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)”. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (January 2017), the USEPA Region 2 Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, and the reviewer’s professional judgment.

Chain-of-Custody (COC) – No discrepancies were identified. The project requires specific reporting limits (RLs) for certain analytes. More details are provided in the Reporting Limits/Compound Identification section.

Holding Time (HT) – All HT criteria were met.

Canister Certification – Canisters were batch certified. No positively identified target compounds were observed.

Canister and Flow Controller Receipt – All canister criteria were acceptable.

Surrogates – Surrogates were not spiked into the samples. No qualification is required.

Lab Control Sample (LCS) – All percent recovery (%R) met QC criteria except those in the table below.

LCS ID	Compound	%R Bias	Associated EDS IDs	Qualifier
WG1220730-3	Vinyl Acetate Heptane 4-Methyl-2-pentanone 2-Hexanone 1,2,4-Trimethylbenzene	High	27DL	NA – not analyzed for these analytes
WG1221186-3	Propylene 3-Chloropropene cis-1,2-Dichloroethene Ethyl acetate Bromoform 1,1,2,2-tetrachloroethane	High	02DL 04DL2 08DL2	NA – not analyzed for these analytes

Laboratory Duplicate (LD) – The LDs were analyzed on EDS ID 05 and 08. All RPDs were within QC criteria.

Method Blank (MB) - The MBs contained no positively identified target compounds.

GC/MS Tuning – All tuning criteria were met.

Initial Calibration (ICAL) - The ICAL exhibited acceptable percent relative standard deviation (%RSD) and mean relative response factor (RRF) values.

Continuing Calibration Verifications (CCVs) - The CCVs exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All IS met response and retention time (RT) criteria.

Blind Field Duplicate – EDS ID 12 is a blind field duplicate of EDS ID 10. All results matched well except Carbon disulfide. Results for Carbon disulfide in EDS ID 10 & 12 are qualified J.

EDS ID 12 is a blind field duplicate of EDS ID 10. All results matched well.

RLs/Analyte Identification – The following analytes were analyzed separately in Selective Ion Monitoring (SIM) mode to achieve lower RLs for all indoor air (IA) and ambient air (AA) samples: Vinyl chloride, 1,1-Dichloroethene, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Carbon tetrachloride, Trichloroethene, Tetrachloroethene and 1,2-Dichloroethene (total).

EDS IDs 06, 08, 11, and 13 were analyzed at dilutions due to the elevated presence of target analytes. EDS ID 26 was analyzed at a dilution due to the elevated presence of non-target analytes. No qualification of the sample data is required; however the end user should be aware of the elevated RLs.

EDS IDs 02, 04, 05, 08, 27 were reanalyzed at dilutions due to target analytes exceeding the calibration range of the instrument in the initial analysis. The lab has flagged these analytes with an “E” on the Form 1 and reported the diluted result for these analytes on a separate Form 1. Some samples required more than one dilution and therefore have more than two Form 1s. The dilutions were justified. The result for the analytes from the diluted analysis are to be reported. All other results are reported from the initial analysis. No qualification of the sample data is required.

Data Qualifier	Definition
None	The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U (ND)	Non-Detect. The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is usable as a non-detect at the RL.
J	Estimated value. The value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ (ND J)	The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated RL.

Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-01
 Client ID : GWL-AA (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511188
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 09:50
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 18:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--	
74-87-3	Chloromethane	0.514	0.200	--	1.06	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.37	1.00	--	3.25	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.543	0.500	--	1.60	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-01
 Client ID : GWL-AA (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511188
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 09:50
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 18:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-01
 Client ID : GWL-AA (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511188
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 09:50
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 18:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-02
 Client ID : GWL-SS-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511200
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 02:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	286	0.200	--	1410	0.989	--	E
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	168	5.00	--	317	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.83	1.00	--	23.4	2.38	--	
75-69-4	Trichlorofluoromethane	0.477	0.200	--	2.68	1.12	--	
67-63-0	Isopropanol	20.8	0.500	--	51.1	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.36	0.500	--	4.12	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.200	0.200	--	0.623	0.623	--	
76-13-1	Freon-113	49.2	0.200	--	377	1.53	--	
156-60-5	trans-1,2-Dichloroethene	4.53	0.200	--	18.0	0.793	--	
75-34-3	1,1-Dichloroethane	2.27	0.200	--	9.19	0.809	--	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.58	0.500	--	4.66	1.47	--	
156-59-2	cis-1,2-Dichloroethene	9.93	0.200	--	39.4	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.834	0.200	--	4.07	0.977	--	
109-99-9	Tetrahydrofuran	0.678	0.500	--	2.00	1.47	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-02
 Client ID : GWL-SS-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511200
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 02:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.335	0.200	--	1.18	0.705	--	
71-55-6	1,1,1-Trichloroethane	4.39	0.200	--	24.0	1.09	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	23.0	0.200	--	124	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.297	0.200	--	1.12	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	9.07	0.200	--	61.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.205	0.200	--	0.890	0.869	--	
179601-23-1	p/m-Xylene	0.753	0.400	--	3.27	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-02
 Client ID : GWL-SS-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511200
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 02:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.240	0.200	--	1.04	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-02D
 Client ID : GWL-SS-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1610629
 Sample Amount : 25.0 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/30/19 03:44
 Dilution Factor : 10
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	392	2.00	--	1940	9.89	--	



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-03
 Client ID : GWL-IA-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511189
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.736	0.200	--	3.64	0.989	--	
74-87-3	Chloromethane	0.581	0.200	--	1.20	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	13.6	5.00	--	25.6	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	21.9	1.00	--	52.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.405	0.200	--	2.28	1.12	--	
67-63-0	Isopropanol	125	0.500	--	307	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.296	0.200	--	0.922	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	4.15	0.200	--	16.5	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.61	0.500	--	4.75	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.961	0.500	--	2.83	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-03
 Client ID : GWL-IA-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511189
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.204	0.200	--	0.769	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.589	0.400	--	2.56	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.214	0.200	--	1.05	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-03
 Client ID : GWL-IA-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511189
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
Project Name : GW LISK
Lab ID : L1911106-04
Client ID : GWL-SS-BLDG-7B-1 (03192019)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1511201
Sample Amount : 250 ml

Lab Number : L1911106
Project Number : 0500166.04
Date Collected : 03/20/19 12:58
Date Received : 03/20/19
Date Analyzed : 03/29/19 03:06
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRLAB15
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	475	0.200		2350	0.989		E
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	198	5.00	--	373	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	10.1	1.00	--	24.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.708	0.200	--	3.98	1.12	--	
67-63-0	Isopropanol	86.5	0.500	--	213	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	2.00	0.500	--	6.06	1.52	--	
75-09-2	Methylene chloride	0.843	0.500	--	2.93	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	132	0.200		1010	1.53		E
156-60-5	trans-1,2-Dichloroethene	126	0.200		500	0.793		E
75-34-3	1,1-Dichloroethane	2.27	0.200	--	9.19	0.809	--	
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.54	0.500	--	4.54	1.47	--	
156-59-2	cis-1,2-Dichloroethene	34.0	0.200	--	135	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	2.55	0.200	--	12.5	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-04
 Client ID : GWL-SS-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511201
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 03:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.292	0.200	--	1.03	0.705	--	
71-55-6	1,1,1-Trichloroethane	22.0	0.200	--	120	1.09	--	
71-43-2	Benzene	0.544	0.200	--	1.74	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	81.8	0.200	--	440	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.464	0.200	--	1.75	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	24.0	0.200	--	163	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.756	0.200	--	3.28	0.869	--	
179601-23-1	p/m-Xylene	2.78	0.400	--	12.1	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-04
 Client ID : GWL-SS-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511201
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 03:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.740	0.200	--	3.21	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.282	0.200	--	1.39	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-04D
 Client ID : GWL-SS-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511214
 Sample Amount : 35.0 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 13:06
 Dilution Factor : 7.143
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
76-13-1	Freon-113	124	1.43	--	950	11.0	--	
156-60-5	trans-1,2-Dichloroethene	126	1.43	--	500	5.67	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-04D2
 Client ID : GWL-SS-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1610630
 Sample Amount : 12.6 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/30/19 04:21
 Dilution Factor : 19.89
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	1460	3.98	--	7220	19.7	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-05
 Client ID : GWL-IA-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511190
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.496	0.200	--	2.45	0.989	--	
74-87-3	Chloromethane	0.553	0.200	--	1.14	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	42.9	5.00	--	80.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	18.9	1.00	--	44.9	2.38	--	
75-69-4	Trichlorofluoromethane	0.310	0.200	--	1.74	1.12	--	
67-63-0	Isopropanol	570	0.500	--	1400	1.23	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	1.02	0.500	--	3.54	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.284	0.200	--	0.884	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	170	0.200	--	674	0.793	--	E
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.542	0.500	--	1.60	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-05
 Client ID : GWL-IA-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511190
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.230	0.200	--	0.867	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.959	0.200	--	4.17	0.869	--	
179601-23-1	p/m-Xylene	3.64	0.400	--	15.8	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.01	0.200	--	4.39	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.338	0.200	--	1.66	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-05
 Client ID : GWL-IA-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511190
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-05D
 Client ID : GWL-IA-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511209
 Sample Amount : 75.0 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 09:59
 Dilution Factor : 3.333
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	537	1.67	--	1320	4.10	--	
156-60-5	trans-1,2-Dichloroethene	133	0.667	--	527	2.64	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-06D
 Client ID : GWL-SS-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511205
 Sample Amount : 3.79 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 11:26
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:06
 Dilution Factor : 65.96
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	36.6	13.2	--	181	65.3	--	
74-87-3	Chloromethane	ND	13.2	--	ND	27.3	--	U
76-14-2	Freon-114	ND	13.2	--	ND	92.3	--	U
75-01-4	Vinyl chloride	ND	13.2	--	ND	33.7	--	U
106-99-0	1,3-Butadiene	ND	13.2	--	ND	29.2	--	U
74-83-9	Bromomethane	ND	13.2	--	ND	51.3	--	U
75-00-3	Chloroethane	ND	13.2	--	ND	34.8	--	U
64-17-5	Ethanol	ND	330	--	ND	622	--	U
593-60-2	Vinyl bromide	ND	13.2	--	ND	57.7	--	U
67-64-1	Acetone	ND	66.0	--	ND	157	--	U
75-69-4	Trichlorofluoromethane	ND	13.2	--	ND	74.2	--	U
67-63-0	Isopropanol	97.1	33.0	--	239	81.1	--	
75-35-4	1,1-Dichloroethene	296	13.2	--	1170	52.3	--	
75-65-0	Tertiary butyl Alcohol	ND	33.0	--	ND	100.	--	U
75-09-2	Methylene chloride	ND	33.0	--	ND	115	--	U
107-05-1	3-Chloropropene	ND	13.2	--	ND	41.3	--	U
75-15-0	Carbon disulfide	ND	13.2	--	ND	41.1	--	U
76-13-1	Freon-113	4970	13.2	--	38100	101	--	
156-60-5	trans-1,2-Dichloroethene	23.2	13.2	--	92.0	52.3	--	
75-34-3	1,1-Dichloroethane	54.0	13.2	--	219	53.4	--	
1634-04-4	Methyl tert butyl ether	ND	13.2	--	ND	47.6	--	U
78-93-3	2-Butanone	ND	33.0	--	ND	97.3	--	U
156-59-2	cis-1,2-Dichloroethene	279	13.2	--	1110	52.3	--	
141-78-6	Ethyl Acetate	ND	33.0	--	ND	119.	--	U
67-66-3	Chloroform	14.3	13.2	--	69.8	64.5	--	
109-99-9	Tetrahydrofuran	ND	33.0	--	ND	97.3	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-06D
 Client ID : GWL-SS-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511205
 Sample Amount : 3.79 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 11:26
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:06
 Dilution Factor : 65.96
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	13.2	--	ND	53.4	--	U
110-54-3	n-Hexane	ND	13.2	--	ND	46.5	--	U
71-55-6	1,1,1-Trichloroethane	817	13.2	--	4460	72.0	--	
71-43-2	Benzene	ND	13.2	--	ND	42.2	--	U
56-23-5	Carbon tetrachloride	ND	13.2	--	ND	83.0	--	U
110-82-7	Cyclohexane	ND	13.2	--	ND	45.4	--	U
78-87-5	1,2-Dichloropropane	ND	13.2	--	ND	61.0	--	U
75-27-4	Bromodichloromethane	ND	13.2	--	ND	88.4	--	U
123-91-1	1,4-Dioxane	ND	13.2	--	ND	47.6	--	U
79-01-6	Trichloroethene	4400	13.2	--	23600	70.9	--	
540-84-1	2,2,4-Trimethylpentane	ND	13.2	--	ND	61.7	--	U
142-82-5	Heptane	ND	13.2	--	ND	54.1	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	13.2	--	ND	59.9	--	U
108-10-1	4-Methyl-2-pentanone	ND	33.0	--	ND	135.	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	13.2	--	ND	59.9	--	U
79-00-5	1,1,2-Trichloroethane	ND	13.2	--	ND	72.0	--	U
108-88-3	Toluene	ND	13.2	--	ND	49.7	--	U
591-78-6	2-Hexanone	ND	13.2	--	ND	54.1	--	U
124-48-1	Dibromochloromethane	ND	13.2	--	ND	112.	--	U
106-93-4	1,2-Dibromoethane	ND	13.2	--	ND	101.	--	U
127-18-4	Tetrachloroethene	252	13.2	--	1710	89.5	--	
108-90-7	Chlorobenzene	ND	13.2	--	ND	60.8	--	U
100-41-4	Ethylbenzene	ND	13.2	--	ND	57.3	--	U
179601-23-1	p/m-Xylene	ND	26.4	--	ND	115.	--	U
75-25-2	Bromoform	ND	13.2	--	ND	136.	--	U
100-42-5	Styrene	ND	13.2	--	ND	56.2	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-06D
 Client ID : GWL-SS-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511205
 Sample Amount : 3.79 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 11:26
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:06
 Dilution Factor : 65.96
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	13.2	--	ND	90.6	--	U
95-47-6	o-Xylene	ND	13.2	--	ND	57.3	--	U
622-96-8	4-Ethyltoluene	ND	13.2	--	ND	64.9	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	13.2	--	ND	64.9	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	13.2	--	ND	64.9	--	U
100-44-7	Benzyl chloride	ND	13.2	--	ND	68.3	--	U
541-73-1	1,3-Dichlorobenzene	ND	13.2	--	ND	79.4	--	U
106-46-7	1,4-Dichlorobenzene	ND	13.2	--	ND	79.4	--	U
95-50-1	1,2-Dichlorobenzene	ND	13.2	--	ND	79.4	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	13.2	--	ND	98.0	--	U
87-68-3	Hexachlorobutadiene	ND	13.2	--	ND	141.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-07
 Client ID : GWL-IA-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511192
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:04
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--	
74-87-3	Chloromethane	0.511	0.200	--	1.06	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	38.5	5.00	--	72.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.50	1.00	--	20.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.496	0.200	--	2.79	1.12	--	
67-63-0	Isopropanol	112	0.500	--	275	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.215	0.200	--	1.65	1.53	--	
156-60-5	trans-1,2-Dichloroethene	2.91	0.200	--	11.5	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.14	0.500	--	6.31	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.683	0.500	--	2.01	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-07
 Client ID : GWL-IA-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511192
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:04
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.257	0.200	--	1.20	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.287	0.200	--	1.08	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.205	0.200	--	0.890	0.869	--	
179601-23-1	p/m-Xylene	1.28	0.400	--	5.56	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.669	0.200	--	2.91	0.869	--	
622-96-8	4-Ethyltoluene	0.823	0.200	--	4.05	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	4.10	0.200	--	20.2	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	8.74	0.200	--	43.0	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-07
 Client ID : GWL-IA-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511192
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:04
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-08D
 Client ID : GWL-SS-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511206
 Sample Amount : 2.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:43
 Dilution Factor : 85.91
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	90.3	17.2	--	447	85.1	--	
74-87-3	Chloromethane	ND	17.2	--	ND	35.5	--	U
76-14-2	Freon-114	ND	17.2	--	ND	120.	--	U
75-01-4	Vinyl chloride	ND	17.2	--	ND	44.0	--	U
106-99-0	1,3-Butadiene	ND	17.2	--	ND	38.1	--	U
74-83-9	Bromomethane	ND	17.2	--	ND	66.8	--	U
75-00-3	Chloroethane	ND	17.2	--	ND	45.4	--	U
64-17-5	Ethanol	ND	430	--	ND	810	--	U
593-60-2	Vinyl bromide	ND	17.2	--	ND	75.2	--	U
67-64-1	Acetone	ND	85.9	--	ND	204	--	U
75-69-4	Trichlorofluoromethane	ND	17.2	--	ND	96.7	--	U
67-63-0	Isopropanol	ND	43.0	--	ND	106	--	U
75-35-4	1,1-Dichloroethene	536	17.2	--	2130	68.2	--	
75-65-0	Tertiary butyl Alcohol	ND	43.0	--	ND	130	--	U
75-09-2	Methylene chloride	ND	43.0	--	ND	149.	--	U
107-05-1	3-Chloropropene	ND	17.2	--	ND	53.8	--	U
75-15-0	Carbon disulfide	ND	17.2	--	ND	53.6	--	U
76-13-1	Freon-113	10600	17.2	--	81200	132	--	E
156-60-5	trans-1,2-Dichloroethene	ND	17.2	--	ND	68.2	--	U
75-34-3	1,1-Dichloroethane	68.0	17.2	--	275	69.6	--	
1634-04-4	Methyl tert butyl ether	ND	17.2	--	ND	62.0	--	U
78-93-3	2-Butanone	ND	43.0	--	ND	127.	--	U
156-59-2	cis-1,2-Dichloroethene	246	17.2	--	975	68.2	--	
141-78-6	Ethyl Acetate	ND	43.0	--	ND	155.	--	U
67-66-3	Chloroform	ND	17.2	--	ND	84.0	--	U
109-99-9	Tetrahydrofuran	ND	43.0	--	ND	127.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-08D
 Client ID : GWL-SS-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511206
 Sample Amount : 2.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:43
 Dilution Factor : 85.91
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	17.2	--	ND	69.6	--	U
110-54-3	n-Hexane	ND	17.2	--	ND	60.6	--	U
71-55-6	1,1,1-Trichloroethane	1430	17.2	--	7800	93.8	--	
71-43-2	Benzene	ND	17.2	--	ND	54.9	--	U
56-23-5	Carbon tetrachloride	ND	17.2	--	ND	108.	--	U
110-82-7	Cyclohexane	ND	17.2	--	ND	59.2	--	U
78-87-5	1,2-Dichloropropane	ND	17.2	--	ND	79.5	--	U
75-27-4	Bromodichloromethane	ND	17.2	--	ND	115.	--	U
123-91-1	1,4-Dioxane	ND	17.2	--	ND	62.0	--	U
79-01-6	Trichloroethene	3250	17.2	--	17500	92.4	--	
540-84-1	2,2,4-Trimethylpentane	ND	17.2	--	ND	80.3	--	U
142-82-5	Heptane	ND	17.2	--	ND	70.5	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	17.2	--	ND	78.1	--	U
108-10-1	4-Methyl-2-pentanone	ND	43.0	--	ND	176.	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	17.2	--	ND	78.1	--	U
79-00-5	1,1,2-Trichloroethane	ND	17.2	--	ND	93.8	--	U
108-88-3	Toluene	ND	17.2	--	ND	64.8	--	U
591-78-6	2-Hexanone	ND	17.2	--	ND	70.5	--	U
124-48-1	Dibromochloromethane	ND	17.2	--	ND	147.	--	U
106-93-4	1,2-Dibromoethane	ND	17.2	--	ND	132.	--	U
127-18-4	Tetrachloroethene	76.1	17.2	--	516	117	--	
108-90-7	Chlorobenzene	ND	17.2	--	ND	79.2	--	U
100-41-4	Ethylbenzene	ND	17.2	--	ND	74.7	--	U
179601-23-1	p/m-Xylene	ND	34.4	--	ND	149.	--	U
75-25-2	Bromoform	ND	17.2	--	ND	178.	--	U
100-42-5	Styrene	ND	17.2	--	ND	73.2	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-08D
 Client ID : GWL-SS-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511206
 Sample Amount : 2.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:43
 Dilution Factor : 85.91
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17.2	--	ND	118.	--	U
95-47-6	o-Xylene	ND	17.2	--	ND	74.7	--	U
622-96-8	4-Ethyltoluene	ND	17.2	--	ND	84.6	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	17.2	--	ND	84.6	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	17.2	--	ND	84.6	--	U
100-44-7	Benzyl chloride	ND	17.2	--	ND	89.1	--	U
541-73-1	1,3-Dichlorobenzene	ND	17.2	--	ND	103.	--	U
106-46-7	1,4-Dichlorobenzene	ND	17.2	--	ND	103.	--	U
95-50-1	1,2-Dichlorobenzene	ND	17.2	--	ND	103.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	17.2	--	ND	128.	--	U
87-68-3	Hexachlorobutadiene	ND	17.2	--	ND	183.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-08D2
 Client ID : GWL-SS-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1610631
 Sample Amount : 1.75 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/30/19 04:59
 Dilution Factor : 142.9
 Analyst : TS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
76-13-1	Freon-113	13000	28.6	--	99600	219	--	



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-09
 Client ID : GWL-IA-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511193
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--	
74-87-3	Chloromethane	0.496	0.200	--	1.02	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	25.7	5.00	--	48.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.3	1.00	--	29.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.454	0.200	--	2.55	1.12	--	
67-63-0	Isopropanol	124	0.500	--	305	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	1.19	0.200	--	4.72	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.14	0.500	--	6.31	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-09
 Client ID : GWL-IA-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511193
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.221	0.200	--	0.833	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.871	0.400	--	3.78	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.504	0.200	--	2.19	0.869	--	
622-96-8	4-Ethyltoluene	0.732	0.200	--	3.60	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	3.23	0.200	--	15.9	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	6.76	0.200	--	33.2	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-09
 Client ID : GWL-IA-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511193
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:45
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-10
 Client ID : GWL-DUP (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511194
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.449	0.200	--	2.22	0.989	--	
74-87-3	Chloromethane	0.518	0.200	--	1.07	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	60.2	5.00	--	113	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.33	1.00	--	12.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.328	0.200	--	1.84	1.12	--	
67-63-0	Isopropanol	60.8	0.500	--	149	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	3.26	0.200	--	10.2	0.623	--	J
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.846	0.200	--	3.35	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.665	0.500	--	1.96	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.647	0.500	--	1.91	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-10
 Client ID : GWL-DUP (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511194
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.542	0.200	--	2.53	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.352	0.200	--	1.33	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.220	0.200	--	1.08	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.589	0.200	--	2.90	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-10
 Client ID : GWL-DUP (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511194
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:25
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-11D
 Client ID : GWL-SS-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511207
 Sample Amount : 1.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:21
 Dilution Factor : 130.9
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	70.2	26.2	--	347	130	--	
74-87-3	Chloromethane	ND	26.2	--	ND	54.1	--	U
76-14-2	Freon-114	ND	26.2	--	ND	183.	--	U
75-01-4	Vinyl chloride	ND	26.2	--	ND	67.0	--	U
106-99-0	1,3-Butadiene	ND	26.2	--	ND	58.0	--	U
74-83-9	Bromomethane	ND	26.2	--	ND	102.	--	U
75-00-3	Chloroethane	ND	26.2	--	ND	69.1	--	U
64-17-5	Ethanol	ND	654	--	ND	1230	--	U
593-60-2	Vinyl bromide	ND	26.2	--	ND	115.	--	U
67-64-1	Acetone	ND	131	--	ND	311	--	U
75-69-4	Trichlorofluoromethane	ND	26.2	--	ND	147.	--	U
67-63-0	Isopropanol	ND	65.4	--	ND	161	--	U
75-35-4	1,1-Dichloroethene	1050	26.2	--	4160	104	--	
75-65-0	Tertiary butyl Alcohol	ND	65.4	--	ND	198.	--	U
75-09-2	Methylene chloride	ND	65.4	--	ND	227.	--	U
107-05-1	3-Chloropropene	ND	26.2	--	ND	82.0	--	U
75-15-0	Carbon disulfide	ND	26.2	--	ND	81.6	--	U
76-13-1	Freon-113	6560	26.2	--	50300	201	--	
156-60-5	trans-1,2-Dichloroethene	ND	26.2	--	ND	104.	--	U
75-34-3	1,1-Dichloroethane	184	26.2	--	745	106	--	
1634-04-4	Methyl tert butyl ether	ND	26.2	--	ND	94.5	--	U
78-93-3	2-Butanone	ND	65.4	--	ND	193.	--	U
156-59-2	cis-1,2-Dichloroethene	162	26.2	--	642	104	--	
141-78-6	Ethyl Acetate	ND	65.4	--	ND	236.	--	U
67-66-3	Chloroform	28.7	26.2	--	140	128	--	
109-99-9	Tetrahydrofuran	ND	65.4	--	ND	193.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-11D
 Client ID : GWL-SS-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511207
 Sample Amount : 1.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:21
 Dilution Factor : 130.9
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	26.2	--	ND	106.	--	U
110-54-3	n-Hexane	ND	26.2	--	ND	92.3	--	U
71-55-6	1,1,1-Trichloroethane	1370	26.2	--	7470	143	--	
71-43-2	Benzene	ND	26.2	--	ND	83.7	--	U
56-23-5	Carbon tetrachloride	ND	26.2	--	ND	165.	--	U
110-82-7	Cyclohexane	ND	26.2	--	ND	90.2	--	U
78-87-5	1,2-Dichloropropane	ND	26.2	--	ND	121.	--	U
75-27-4	Bromodichloromethane	ND	26.2	--	ND	176.	--	U
123-91-1	1,4-Dioxane	ND	26.2	--	ND	94.4	--	U
79-01-6	Trichloroethene	9260	26.2	--	49800	141	--	
540-84-1	2,2,4-Trimethylpentane	ND	26.2	--	ND	122.	--	U
142-82-5	Heptane	ND	26.2	--	ND	107.	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	26.2	--	ND	119.	--	U
108-10-1	4-Methyl-2-pentanone	ND	65.4	--	ND	268.	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	26.2	--	ND	119.	--	U
79-00-5	1,1,2-Trichloroethane	ND	26.2	--	ND	143.	--	U
108-88-3	Toluene	ND	26.2	--	ND	98.7	--	U
591-78-6	2-Hexanone	ND	26.2	--	ND	107.	--	U
124-48-1	Dibromochloromethane	ND	26.2	--	ND	223.	--	U
106-93-4	1,2-Dibromoethane	ND	26.2	--	ND	201.	--	U
127-18-4	Tetrachloroethene	176	26.2	--	1190	178	--	
108-90-7	Chlorobenzene	ND	26.2	--	ND	121.	--	U
100-41-4	Ethylbenzene	ND	26.2	--	ND	114.	--	U
179601-23-1	p/m-Xylene	ND	52.4	--	ND	228.	--	U
75-25-2	Bromoform	ND	26.2	--	ND	271.	--	U
100-42-5	Styrene	ND	26.2	--	ND	112.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-11D
 Client ID : GWL-SS-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511207
 Sample Amount : 1.91 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:21
 Dilution Factor : 130.9
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	26.2	--	ND	180.	--	U
95-47-6	o-Xylene	ND	26.2	--	ND	114.	--	U
622-96-8	4-Ethyltoluene	ND	26.2	--	ND	129.	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	26.2	--	ND	129.	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	26.2	--	ND	129.	--	U
100-44-7	Benzyl chloride	ND	26.2	--	ND	136.	--	U
541-73-1	1,3-Dichlorobenzene	ND	26.2	--	ND	158.	--	U
106-46-7	1,4-Dichlorobenzene	ND	26.2	--	ND	158.	--	U
95-50-1	1,2-Dichlorobenzene	ND	26.2	--	ND	158.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	26.2	--	ND	194.	--	U
87-68-3	Hexachlorobutadiene	ND	26.2	--	ND	279.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-12
 Client ID : GWL-IA-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511195
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.480	0.200	--	2.37	0.989	--	
74-87-3	Chloromethane	0.506	0.200	--	1.04	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	56.0	5.00	--	106	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.96	1.00	--	11.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.325	0.200	--	1.83	1.12	--	
67-63-0	Isopropanol	55.7	0.500	--	137	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.559	0.200	--	1.74	0.623	--	J
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.787	0.200	--	3.12	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.603	0.500	--	1.78	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-12
 Client ID : GWL-IA-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511195
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.507	0.200	--	2.37	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.355	0.200	--	1.34	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.471	0.200	--	2.32	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-12
 Client ID : GWL-IA-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511195
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:05
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-13D
 Client ID : GWL-SS-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511208
 Sample Amount : 0.810 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:58
 Dilution Factor : 308.6
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	164	61.7	--	811	305	--	
74-87-3	Chloromethane	ND	61.7	--	ND	127.	--	U
76-14-2	Freon-114	ND	61.7	--	ND	431.	--	U
75-01-4	Vinyl chloride	ND	61.7	--	ND	158.	--	U
106-99-0	1,3-Butadiene	ND	61.7	--	ND	136.	--	U
74-83-9	Bromomethane	ND	61.7	--	ND	240.	--	U
75-00-3	Chloroethane	ND	61.7	--	ND	163.	--	U
64-17-5	Ethanol	ND	1540	--	ND	2900	--	U
593-60-2	Vinyl bromide	ND	61.7	--	ND	270.	--	U
67-64-1	Acetone	ND	309	--	ND	734	--	U
75-69-4	Trichlorofluoromethane	ND	61.7	--	ND	347.	--	U
67-63-0	Isopropanol	ND	154	--	ND	379	--	U
75-35-4	1,1-Dichloroethene	1060	61.7	--	4200	245	--	
75-65-0	Tertiary butyl Alcohol	ND	154	--	ND	467.	--	U
75-09-2	Methylene chloride	ND	154	--	ND	535.	--	U
107-05-1	3-Chloropropene	ND	61.7	--	ND	193.	--	U
75-15-0	Carbon disulfide	ND	61.7	--	ND	192.	--	U
76-13-1	Freon-113	12900	61.7	--	98900	473	--	
156-60-5	trans-1,2-Dichloroethene	ND	61.7	--	ND	245.	--	U
75-34-3	1,1-Dichloroethane	167	61.7	--	676	250	--	
1634-04-4	Methyl tert butyl ether	ND	61.7	--	ND	222.	--	U
78-93-3	2-Butanone	ND	154	--	ND	454.	--	U
156-59-2	cis-1,2-Dichloroethene	162	61.7	--	642	245	--	
141-78-6	Ethyl Acetate	ND	154	--	ND	555.	--	U
67-66-3	Chloroform	ND	61.7	--	ND	301	--	U
109-99-9	Tetrahydrofuran	ND	154	--	ND	454.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-13D
 Client ID : GWL-SS-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511208
 Sample Amount : 0.810 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:58
 Dilution Factor : 308.6
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	61.7	--	ND	250.	--	U
110-54-3	n-Hexane	ND	61.7	--	ND	217.	--	U
71-55-6	1,1,1-Trichloroethane	1700	61.7	--	9280	337	--	
71-43-2	Benzene	ND	61.7	--	ND	197.	--	U
56-23-5	Carbon tetrachloride	ND	61.7	--	ND	388.	--	U
110-82-7	Cyclohexane	ND	61.7	--	ND	212.	--	U
78-87-5	1,2-Dichloropropane	ND	61.7	--	ND	285.	--	U
75-27-4	Bromodichloromethane	ND	61.7	--	ND	413.	--	U
123-91-1	1,4-Dioxane	ND	61.7	--	ND	222.	--	U
79-01-6	Trichloroethene	7580	61.7	--	40700	332	--	
540-84-1	2,2,4-Trimethylpentane	ND	61.7	--	ND	288.	--	U
142-82-5	Heptane	ND	61.7	--	ND	253.	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	61.7	--	ND	280.	--	U
108-10-1	4-Methyl-2-pentanone	ND	154	--	ND	631.	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	61.7	--	ND	280.	--	U
79-00-5	1,1,2-Trichloroethane	ND	61.7	--	ND	337.	--	U
108-88-3	Toluene	ND	61.7	--	ND	233.	--	U
591-78-6	2-Hexanone	ND	61.7	--	ND	253.	--	U
124-48-1	Dibromochloromethane	ND	61.7	--	ND	526.	--	U
106-93-4	1,2-Dibromoethane	ND	61.7	--	ND	474.	--	U
127-18-4	Tetrachloroethene	101	61.7	--	685	418	--	
108-90-7	Chlorobenzene	ND	61.7	--	ND	284.	--	U
100-41-4	Ethylbenzene	ND	61.7	--	ND	268.	--	U
179601-23-1	p/m-Xylene	ND	123	--	ND	534.	--	U
75-25-2	Bromoform	ND	61.7	--	ND	638.	--	U
100-42-5	Styrene	ND	61.7	--	ND	263.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-13D
 Client ID : GWL-SS-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511208
 Sample Amount : 0.810 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:58
 Dilution Factor : 308.6
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	61.7	--	ND	424.	--	U
95-47-6	o-Xylene	ND	61.7	--	ND	268.	--	U
622-96-8	4-Ethyltoluene	ND	61.7	--	ND	303.	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	61.7	--	ND	303.	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	61.7	--	ND	303.	--	U
100-44-7	Benzyl chloride	ND	61.7	--	ND	319.	--	U
541-73-1	1,3-Dichlorobenzene	ND	61.7	--	ND	371.	--	U
106-46-7	1,4-Dichlorobenzene	ND	61.7	--	ND	371.	--	U
95-50-1	1,2-Dichlorobenzene	ND	61.7	--	ND	371.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	61.7	--	ND	458.	--	U
87-68-3	Hexachlorobutadiene	ND	61.7	--	ND	658.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-14
 Client ID : GWL-IA-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511196
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.470	0.200	--	2.32	0.989	--	
74-87-3	Chloromethane	0.538	0.200	--	1.11	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	61.3	5.00	--	116	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.29	1.00	--	12.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.317	0.200	--	1.78	1.12	--	
67-63-0	Isopropanol	57.6	0.500	--	142	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.619	0.200	--	1.93	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.774	0.200	--	3.07	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.616	0.500	--	1.82	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	1.46	0.500	--	4.31	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-14
 Client ID : GWL-IA-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511196
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.521	0.200	--	2.43	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.481	0.200	--	1.81	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.206	0.200	--	1.01	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.573	0.200	--	2.82	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-14
 Client ID : GWL-IA-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511196
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-15
 Client ID : GWL-SS-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511202
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 03:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	2.12	0.200	--	10.5	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	137	5.00	--	258	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.24	1.00	--	21.9	2.38	--	
75-69-4	Trichlorofluoromethane	2.42	0.200	--	13.6	1.12	--	
67-63-0	Isopropanol	14.4	0.500	--	35.4	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.64	0.500	--	4.97	1.52	--	
75-09-2	Methylene chloride	0.511	0.500	--	1.78	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.466	0.200	--	1.45	0.623	--	
76-13-1	Freon-113	16.3	0.200	--	125	1.53	--	
156-60-5	trans-1,2-Dichloroethene	0.361	0.200	--	1.43	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.64	0.500	--	4.84	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-15
 Client ID : GWL-SS-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511202
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 03:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.256	0.200	--	0.902	0.705	--	
71-55-6	1,1,1-Trichloroethane	15.5	0.200	--	84.6	1.09	--	
71-43-2	Benzene	0.244	0.200	--	0.780	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	21.9	0.200	--	118	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.614	0.200	--	2.87	0.934	--	
142-82-5	Heptane	0.204	0.200	--	0.836	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.776	0.200	--	2.92	0.754	--	
591-78-6	2-Hexanone	0.214	0.200	--	0.877	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.957	0.200	--	6.49	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.634	0.400	--	2.75	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-15
 Client ID : GWL-SS-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511202
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 03:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.266	0.200	--	1.16	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.264	0.200	--	1.30	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.876	0.200	--	4.31	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-16
 Client ID : GWL-IA-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511197
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--	
74-87-3	Chloromethane	0.529	0.200	--	1.09	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	60.0	5.00	--	113	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.2	1.00	--	29.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.254	0.200	--	1.43	1.12	--	
67-63-0	Isopropanol	96.2	0.500	--	236	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	1.18	0.200	--	3.67	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.831	0.200	--	3.29	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.06	0.500	--	3.13	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-16
 Client ID : GWL-IA-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511197
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	1.61	0.200	--	7.52	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.477	0.200	--	1.80	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.380	0.200	--	1.87	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.15	0.200	--	5.65	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-16
 Client ID : GWL-IA-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511197
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-17
 Client ID : GWL-SS-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511203
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 04:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	130	5.00	--	245	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.30	1.00	--	15.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--	
67-63-0	Isopropanol	15.2	0.500	--	37.4	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.06	0.500	--	3.21	1.52	--	
75-09-2	Methylene chloride	0.567	0.500	--	1.97	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.250	0.200	--	0.779	0.623	--	
76-13-1	Freon-113	1.40	0.200	--	10.7	1.53	--	
156-60-5	trans-1,2-Dichloroethene	1.75	0.200	--	6.94	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.22	0.500	--	3.60	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-17
 Client ID : GWL-SS-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511203
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 04:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	0.423	0.200	--	2.31	1.09	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	0.821	0.200	--	4.41	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.294	0.200	--	1.11	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.224	0.200	--	1.52	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-17
 Client ID : GWL-SS-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511203
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 04:26
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-18
 Client ID : GWL-IA-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511198
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.448	0.200	--	2.22	0.989	--	
74-87-3	Chloromethane	0.538	0.200	--	1.11	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	7.78	5.00	--	14.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.01	1.00	--	9.53	2.38	--	
75-69-4	Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--	
67-63-0	Isopropanol	76.6	0.500	--	188	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.540	0.200	--	1.68	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	2.78	0.200	--	11.0	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.955	0.500	--	2.82	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-18
 Client ID : GWL-IA-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511198
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.247	0.200	--	0.931	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.403	0.400	--	1.75	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.216	0.200	--	1.06	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-18
 Client ID : GWL-IA-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511198
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-19
 Client ID : GWL-SS-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511204
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 05:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.383	0.200	--	1.89	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	131	5.00	--	247	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.74	1.00	--	13.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--	
67-63-0	Isopropanol	19.3	0.500	--	47.4	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.12	0.500	--	3.40	1.52	--	
75-09-2	Methylene chloride	0.666	0.500	--	2.31	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	2.12	0.200	--	6.60	0.623	--	
76-13-1	Freon-113	5.17	0.200	--	39.6	1.53	--	
156-60-5	trans-1,2-Dichloroethene	2.14	0.200	--	8.48	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.02	0.500	--	3.01	1.47	--	
156-59-2	cis-1,2-Dichloroethene	1.03	0.200	--	4.08	0.793	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.567	0.200	--	2.77	0.977	--	
109-99-9	Tetrahydrofuran	0.533	0.500	--	1.57	1.47	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-19
 Client ID : GWL-SS-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511204
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 05:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.307	0.200	--	1.08	0.705	--	
71-55-6	1,1,1-Trichloroethane	28.1	0.200	--	153	1.09	--	
71-43-2	Benzene	0.215	0.200	--	0.687	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	46.8	0.200	--	252	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.458	0.200	--	1.73	0.754	--	
591-78-6	2-Hexanone	0.204	0.200	--	0.836	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	21.9	0.200	--	149	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-19
 Client ID : GWL-SS-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1511204
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 05:06
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.352	0.200	--	1.73	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-20
 Client ID : GWL-IA-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511199
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--	
74-87-3	Chloromethane	0.543	0.200	--	1.12	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	19.5	5.00	--	36.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.57	1.00	--	13.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--	
67-63-0	Isopropanol	89.9	0.500	--	221	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	1.10	0.500	--	3.82	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	7.53	0.200	--	23.4	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	2.41	0.200	--	9.56	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.667	0.500	--	1.97	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.652	0.500	--	1.92	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.346	0.200	--	1.22	0.705	--	
71-43-2	Benzene	0.251	0.200	--	0.802	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-20
 Client ID : GWL-IA-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511199
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.364	0.200	--	1.70	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.335	0.200	--	1.26	0.754	--	
591-78-6	2-Hexanone	0.233	0.200	--	0.955	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.303	0.200	--	1.49	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.712	0.200	--	3.50	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-20
 Client ID : GWL-IA-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1511199
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:46
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-21
 Client ID : GWL-DUP2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42018
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:55
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.517	0.200	--	2.56	0.989	--	
74-87-3	Chloromethane	0.582	0.200	--	1.20	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	20.5	5.00	--	38.6	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.47	1.00	--	13.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--	
67-63-0	Isopropanol	92.3	0.500	--	227	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	1.02	0.500	--	3.54	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	8.96	0.200	--	27.9	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	2.28	0.200	--	9.04	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.688	0.500	--	2.03	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.213	0.200	--	1.04	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.259	0.200	--	0.827	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-21
 Client ID : GWL-DUP2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42018
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:55
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.387	0.200	--	1.81	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.254	0.200	--	0.957	0.754	--	
591-78-6	2-Hexanone	0.219	0.200	--	0.897	0.820	--	
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.320	0.200	--	1.57	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.777	0.200	--	3.82	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-21
 Client ID : GWL-DUP2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42018
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:55
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-22
 Client ID : GWL-SS-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42028
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	2.79	0.200	--	13.8	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	112	5.00	--	211	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	5.35	1.00	--	12.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.230	0.200	--	1.29	1.12	--	
67-63-0	Isopropanol	10.5	0.500	--	25.8	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.21	0.500	--	3.67	1.52	--	
75-09-2	Methylene chloride	1.75	0.500	--	6.08	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.233	0.200	--	1.79	1.53	--	
156-60-5	trans-1,2-Dichloroethene	0.556	0.200	--	2.20	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.13	0.500	--	3.33	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-22
 Client ID : GWL-SS-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42028
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.215	0.200	--	0.758	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	2.12	0.200	--	11.4	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.379	0.200	--	1.43	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.544	0.200	--	3.69	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-22
 Client ID : GWL-SS-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42028
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:03
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-23
 Client ID : GWL-IA-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42019
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:34
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.373	0.200	--	1.84	0.989	--	
74-87-3	Chloromethane	0.520	0.200	--	1.07	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.65	1.00	--	3.92	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	26.2	0.500	--	64.4	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.509	0.200	--	1.59	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	0.819	0.200	--	3.25	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-23
 Client ID : GWL-IA-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42019
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:34
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-23
 Client ID : GWL-IA-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42019
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:34
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-24
 Client ID : GWL-SS-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42029
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	50.8	0.200	--	251	0.989	--	
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	216	5.00	--	407	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.80	1.00	--	11.4	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	18.0	0.500	--	44.2	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.13	0.500	--	3.43	1.52	--	
75-09-2	Methylene chloride	1.81	0.500	--	6.29	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	2.32	0.200	--	7.22	0.623	--	
76-13-1	Freon-113	0.459	0.200	--	3.52	1.53	--	
156-60-5	trans-1,2-Dichloroethene	2.40	0.200	--	9.52	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.12	0.500	--	3.30	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-24
 Client ID : GWL-SS-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42029
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	1.42	0.200	--	7.75	1.09	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	1.97	0.200	--	10.6	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.672	0.200	--	2.53	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	1.03	0.200	--	6.98	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.423	0.400	--	1.84	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-24
 Client ID : GWL-SS-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42029
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 07:42
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.455	0.200	--	2.24	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-25
 Client ID : GWL-IA-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42020
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--	
74-87-3	Chloromethane	0.608	0.200	--	1.26	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	20.8	5.00	--	39.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.10	1.00	--	14.5	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	143	0.500	--	352	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	2.87	0.500	--	9.97	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	5.96	0.200	--	18.6	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	4.79	0.200	--	19.0	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.22	0.500	--	3.60	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.222	0.200	--	0.709	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-25
 Client ID : GWL-IA-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42020
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.262	0.200	--	1.22	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.388	0.200	--	1.46	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.262	0.200	--	1.29	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.618	0.200	--	3.04	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-25
 Client ID : GWL-IA-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42020
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:14
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-26D
 Client ID : GWL-SS-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42030
 Sample Amount : 125 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:19
 Dilution Factor : 2
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.408	0.400	--	2.02	1.98	--	
74-87-3	Chloromethane	ND	0.400	--	ND	0.826	--	U
76-14-2	Freon-114	ND	0.400	--	ND	2.80	--	U
75-01-4	Vinyl chloride	ND	0.400	--	ND	1.02	--	U
106-99-0	1,3-Butadiene	ND	0.400	--	ND	0.885	--	U
74-83-9	Bromomethane	ND	0.400	--	ND	1.55	--	U
75-00-3	Chloroethane	ND	0.400	--	ND	1.06	--	U
64-17-5	Ethanol	204	10.0	--	384	18.8	--	
593-60-2	Vinyl bromide	ND	0.400	--	ND	1.75	--	U
67-64-1	Acetone	7.38	2.00	--	17.5	4.75	--	
75-69-4	Trichlorofluoromethane	ND	0.400	--	ND	2.25	--	U
67-63-0	Isopropanol	43.2	1.00	--	106	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-65-0	Tertiary butyl Alcohol	1.47	1.00	--	4.46	3.03	--	
75-09-2	Methylene chloride	2.73	1.00	--	9.48	3.47	--	
107-05-1	3-Chloropropene	ND	0.400	--	ND	1.25	--	U
75-15-0	Carbon disulfide	ND	0.400	--	ND	1.25	--	U
76-13-1	Freon-113	ND	0.400	--	ND	3.07	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
75-34-3	1,1-Dichloroethane	ND	0.400	--	ND	1.62	--	U
1634-04-4	Methyl tert butyl ether	ND	0.400	--	ND	1.44	--	U
78-93-3	2-Butanone	1.42	1.00	--	4.19	2.95	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--	U
141-78-6	Ethyl Acetate	ND	1.00	--	ND	3.60	--	U
67-66-3	Chloroform	ND	0.400	--	ND	1.95	--	U
109-99-9	Tetrahydrofuran	ND	1.00	--	ND	2.95	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-26D
 Client ID : GWL-SS-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42030
 Sample Amount : 125 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:19
 Dilution Factor : 2
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.400	--	ND	1.62	--	U
110-54-3	n-Hexane	ND	0.400	--	ND	1.41	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--	U
71-43-2	Benzene	ND	0.400	--	ND	1.28	--	U
56-23-5	Carbon tetrachloride	ND	0.400	--	ND	2.52	--	U
110-82-7	Cyclohexane	ND	0.400	--	ND	1.38	--	U
78-87-5	1,2-Dichloropropane	ND	0.400	--	ND	1.85	--	U
75-27-4	Bromodichloromethane	ND	0.400	--	ND	2.68	--	U
123-91-1	1,4-Dioxane	ND	0.400	--	ND	1.44	--	U
79-01-6	Trichloroethene	ND	0.400	--	ND	2.15	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--	U
142-82-5	Heptane	ND	0.400	--	ND	1.64	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--	U
108-88-3	Toluene	0.454	0.400	--	1.71	1.51	--	
591-78-6	2-Hexanone	ND	0.400	--	ND	1.64	--	U
124-48-1	Dibromochloromethane	ND	0.400	--	ND	3.41	--	U
106-93-4	1,2-Dibromoethane	ND	0.400	--	ND	3.07	--	U
127-18-4	Tetrachloroethene	ND	0.400	--	ND	2.71	--	U
108-90-7	Chlorobenzene	ND	0.400	--	ND	1.84	--	U
100-41-4	Ethylbenzene	ND	0.400	--	ND	1.74	--	U
179601-23-1	p/m-Xylene	ND	0.800	--	ND	3.47	--	U
75-25-2	Bromoform	ND	0.400	--	ND	4.14	--	U
100-42-5	Styrene	ND	0.400	--	ND	1.70	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-26D
 Client ID : GWL-SS-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R42030
 Sample Amount : 125 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 08:19
 Dilution Factor : 2
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--	U
95-47-6	o-Xylene	ND	0.400	--	ND	1.74	--	U
622-96-8	4-Ethyltoluene	ND	0.400	--	ND	1.97	--	U
108-67-8	1,3,5-Trimethylbenzene	0.538	0.400	--	2.64	1.97	--	
95-63-6	1,2,4-Trimethylbenzene	1.44	0.400	--	7.08	1.97	--	
100-44-7	Benzyl chloride	ND	0.400	--	ND	2.07	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--	U
87-68-3	Hexachlorobutadiene	ND	0.400	--	ND	4.27	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-27
 Client ID : GWL-IA-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42021
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--	
74-87-3	Chloromethane	0.579	0.200	--	1.20	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	9.23	5.00	--	17.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.0	1.00	--	33.3	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	345	0.500	--	848	1.23	--	F
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.379	0.200	--	1.18	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-27
 Client ID : GWL-IA-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42021
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.265	0.200	--	0.999	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.725	0.400	--	3.15	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.340	0.200	--	1.48	0.869	--	
622-96-8	4-Ethyltoluene	0.206	0.200	--	1.01	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.677	0.200	--	3.33	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.68	0.200	--	8.26	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-27
 Client ID : GWL-IA-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R42021
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:53
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-27D
 Client ID : GWL-IA-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R33379
 Sample Amount : 100 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 10:22
 Dilution Factor : 2.5
 Analyst : TS
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	389	1.25	--	956	3.07	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-01
 Client ID : GWL-AA (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511188_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 09:50
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 18:25
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-03
 Client ID : GWL-IA-AOPC-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511189_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:53
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:05
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.073	0.020	--	0.289	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.032	0.020	--	0.175	0.109	--	
56-23-5	Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--	
79-01-6	Trichloroethene	0.164	0.020	--	0.881	0.107	--	
127-18-4	Tetrachloroethene	0.209	0.020	--	1.42	0.136	--	
540-59-0	1,2-Dichloroethene (total)	0.073	0.020	--	0.289	0.079	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-05
 Client ID : GWL-IA-BLDG-7B-1 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511190_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 12:58
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 19:45
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.181	0.020	--	0.718	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.027	0.020	--	0.147	0.109	--	
56-23-5	Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--	
79-01-6	Trichloroethene	0.195	0.020	--	1.05	0.107	--	
127-18-4	Tetrachloroethene	0.065	0.020	--	0.441	0.136	--	
540-59-0	1,2-Dichloroethene (total)	0.181	0.020	--	0.718	0.079	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-07
 Client ID : GWL-IA-BLDG-7B-2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511192_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:04
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.084	0.020	--	0.458	0.109	--	
56-23-5	Carbon tetrachloride	0.099	0.020	--	0.623	0.126	--	
79-01-6	Trichloroethene	0.879	0.020	--	4.72	0.107	--	
127-18-4	Tetrachloroethene	0.127	0.020	--	0.861	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-09
 Client ID : GWL-IA-VI-04 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511193_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:04
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 21:45
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.054	0.020	--	0.295	0.109	--	
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	
79-01-6	Trichloroethene	0.587	0.020	--	3.15	0.107	--	
127-18-4	Tetrachloroethene	0.089	0.020	--	0.604	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-10
 Client ID : GWL-DUP (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511194_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:25
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.036	0.020	--	0.196	0.109	--	
56-23-5	Carbon tetrachloride	0.094	0.020	--	0.591	0.126	--	
79-01-6	Trichloroethene	0.192	0.020	--	1.03	0.107	--	
127-18-4	Tetrachloroethene	0.042	0.020	--	0.285	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-12
 Client ID : GWL-IA-VI-03 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511195_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:05
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.035	0.020	--	0.191	0.109	--	
56-23-5	Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--	
79-01-6	Trichloroethene	0.162	0.020	--	0.871	0.107	--	
127-18-4	Tetrachloroethene	0.042	0.020	--	0.285	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-14
 Client ID : GWL-IA-BLDG-6 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511196_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:15
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:46
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.033	0.020	--	0.180	0.109	--	
56-23-5	Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--	
79-01-6	Trichloroethene	0.145	0.020	--	0.779	0.107	--	
127-18-4	Tetrachloroethene	0.041	0.020	--	0.278	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-16
 Client ID : GWL-IA-BLDG-5 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511197_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:46
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:26
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.051	0.020	--	0.278	0.109	--	
56-23-5	Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--	
79-01-6	Trichloroethene	0.138	0.020	--	0.742	0.107	--	
127-18-4	Tetrachloroethene	0.033	0.020	--	0.224	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-18
 Client ID : GWL-IA-BLDG-4M (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511198_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 13:55
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:06
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--	
79-01-6	Trichloroethene	0.026	0.020	--	0.140	0.107	--	
127-18-4	Tetrachloroethene	0.022	0.020	--	0.149	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-20
 Client ID : GWL-IA-VI-02 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1511199_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 01:46
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.143	0.020	--	0.780	0.109	--	
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
79-01-6	Trichloroethene	0.033	0.020	--	0.177	0.107	--	
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-21
 Client ID : GWL-DUP2 (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R42018_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:14
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 22:55
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.121	0.020	--	0.660	0.109	--	
56-23-5	Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	0.028	0.020	--	0.150	0.107	--	
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-23
 Client ID : GWL-IA-BLDG-4C (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R42019_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:08
 Date Received : 03/20/19
 Date Analyzed : 03/28/19 23:34
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-25
 Client ID : GWL-IA-BLDG-4A (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R42020_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:31
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:14
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.082	0.020	--	0.447	0.109	--	
56-23-5	Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--	
79-01-6	Trichloroethene	0.037	0.020	--	0.199	0.107	--	
127-18-4	Tetrachloroethene	0.036	0.020	--	0.244	0.136	--	
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L1911106-27
 Client ID : GWL-IA-BLDG-4D (03192019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R42021_EV2
 Sample Amount : 250 ml

Lab Number : L1911106
 Project Number : 0500166.04
 Date Collected : 03/20/19 14:37
 Date Received : 03/20/19
 Date Analyzed : 03/29/19 00:53
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRPIANO4
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.058	0.020	--	0.365	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--	U



DATA USABILITY SUMMARY REPORT (DUSR)

Client: Environmental Resources Management

Site: G.W. Lisk Facility - Clifton Springs, New York

Laboratory: Alpha Analytical – Mansfield, MA

Lab Number: L1935294

Date: September 23, 2019

EDS Sample ID	Client Sample ID	Laboratory Sample ID	Matrix
01	GWL-AA(08062019)	L1935294-01	Ambient Air
02	IA-BLDG-7B-1(08062019)	L1935294-02	Indoor Air
03	IA-BLDG-7B-2(08062019)	L1935294-03	Indoor Air
04	IA-VI-04(08062019)	L1935294-04	Indoor Air
05	GWL-DUP(IA-BLDG-7B-2)	L1935294-05	Indoor Air

VOLATILE ORGANIC COMPOUNDS (VOCs)

Compendium Method TO-15

The samples were analyzed following “Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B”, Compendium Method TO-15, “Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)”. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (January 2017), the USEPA Region 2 Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, and the reviewer’s professional judgment.

Chain-of-Custody (COC) – No discrepancies were identified. The project requires specific reporting limits (RLs) for certain analytes. More details in the RLs/Analyte Identification section.

Holding Time (HT) – All HT criteria were met.

Canister Certification – Canisters were batch certified. No positively identified target analytes were observed.

Canister and Flow Controller Receipt – All criteria were acceptable.

Surrogates – Surrogates were not spiked into the samples. No qualification is required.

Lab Control Sample (LCS) – All percent recovery (%R) met QC criteria except those in the table below.

LCS ID	Analyte	%R Bias	Associated EDS IDs	Qualifier
WG1271457-3	Tertiary-Amyl Methyl Ether	Low	01-05	NA – not a target analyte

Laboratory Duplicate (LD) – The LD was analyzed on EDS ID 02. All RPDs were within QC criteria except 1,1,1-Trichloroethene. No qualification of the sample data is required as the concentration in the initial sample was less than five times the RL and therefore the limits do not apply.

Method Blank (MB) - The MB contained no positively identified target analytes.

GC/MS Tuning – All tuning criteria were met.

Initial Calibration (ICAL) - The ICAL exhibited acceptable percent relative standard deviation (%RSD) and mean relative response factor (RRF) values.

Continuing Calibration Verifications (CCVs) - The CCVs exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All IS met response and retention time (RT) criteria.

Blind Field Duplicate – EDS ID 05 is a blind field duplicate of EDS ID 03. All results matched well.

RLs/Analyte Identification – The following analytes were analyzed separately in Selective Ion Monitoring (SIM) mode to achieve lower RLs for all indoor air (IA) and ambient air (AA) samples: Vinyl chloride, 1,1-Dichloroethene, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Carbon tetrachloride, Trichloroethene, trans-1,3-Dichloropropene and Tetrachloroethene.

EDS ID 02 was reanalyzed at dilutions due to target analytes exceeding the calibration range of the instrument in the initial analysis. The lab has flagged these analytes with an “E” on the Form 1 and reported the diluted result for these analytes on a separate Form 1. The dilution was justified. The result for the analytes from the diluted analysis are to be reported. All other results are reported from the initial analysis. No qualification of the sample data is required.

Data Qualifier	Definition
None	The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U (ND)	Non-Detect. The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is usable as a non-detect at the RL.

Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-01
 Client ID : GWL-AA(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513554
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:52
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 19:57
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--	
74-87-3	Chloromethane	0.446	0.200	--	0.921	0.413	--	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethyl Alcohol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.52	1.00	--	5.99	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--	U
75-65-0	tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.583	0.500	--	1.72	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-01
 Client ID : GWL-AA(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513554
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:52
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 19:57
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
1330-20-7	Xylene (Total)	ND	0.200	--	ND	0.869	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
540-59-0	1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
542-75-6	1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-01
 Client ID : GWL-AA(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513554
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:52
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 19:57
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-02
 Client ID : IA-BLDG-7B-1(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513556
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:58
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:18
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--	
74-87-3	Chloromethane	0.571	0.200	--	1.18	0.413	--	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethyl Alcohol	47.5	5.00	--	89.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	24.6	1.00	--	58.4	2.38	--	
75-69-4	Trichlorofluoromethane	1.12	0.200	--	6.29	1.12	--	
67-63-0	iso-Propyl Alcohol	706	0.500	--	1740	1.23	--	E
75-65-0	tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.517	0.200	--	1.61	0.623	--	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	298	0.200	--	1180	0.793	--	E
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.30	0.500	--	6.78	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.685	0.200	--	2.41	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-02
 Client ID : IA-BLDG-7B-1(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513556
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:58
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:18
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
1330-20-7	Xylene (Total)	7.01	0.200	--	30.4	0.869	--	
108-10-1	4-Methyl-2-pentanone	0.579	0.500	--	2.37	2.05	--	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.66	0.200	--	6.26	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.50	0.200	--	6.52	0.869	--	
179601-23-1	p/m-Xylene	5.45	0.400	--	23.7	1.74	--	
540-59-0	1,2-Dichloroethene (total)	296	0.200	--	1180	0.793	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
542-75-6	1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.56	0.200	--	6.78	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.333	0.200	--	1.64	0.983	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-02
 Client ID : IA-BLDG-7B-1(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513556
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:58
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:18
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-02D
 Client ID : IA-BLDG-7B-1(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513571
 Sample Amount : 50.0 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:58
 Date Received : 08/07/19
 Date Analyzed : 08/13/19 08:46
 Dilution Factor : 5
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	iso-Propyl Alcohol	819	2.50	--	2010	6.15	--	
156-60-5	trans-1,2-Dichloroethene	333	1.00	--	1320	3.96	--	
540-59-0	1,2-Dichloroethene (total)	333	1.00	--	1320	3.96	--	

Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-03
 Client ID : IA-BLDG-7B-2(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513557
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--	
74-87-3	Chloromethane	0.544	0.200	--	1.12	0.413	--	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	0.691	0.200	--	1.53	0.442	--	
74-83-9	Bromomethane	0.847	0.200	--	3.29	0.777	--	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethyl Alcohol	45.3	5.00	--	85.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	30.6	1.00	--	72.7	2.38	--	
75-69-4	Trichlorofluoromethane	1.14	0.200	--	6.41	1.12	--	
67-63-0	iso-Propyl Alcohol	166	0.500	--	408	1.23	--	
75-65-0	tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.206	0.200	--	1.58	1.53	--	
156-60-5	trans-1,2-Dichloroethene	10.1	0.200	--	40.0	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.60	0.500	--	7.67	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.336	0.200	--	1.18	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-03
 Client ID : IA-BLDG-7B-2(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513557
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.248	0.200	--	1.16	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
1330-20-7	Xylene (Total)	0.945	0.200	--	4.10	0.869	--	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.618	0.200	--	2.33	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.684	0.400	--	2.97	1.74	--	
540-59-0	1,2-Dichloroethene (total)	10.1	0.200	--	40.0	0.793	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
542-75-6	1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.261	0.200	--	1.13	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.217	0.200	--	1.07	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.480	0.200	--	2.36	0.983	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-03
 Client ID : IA-BLDG-7B-2(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513557
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 21:58
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-04
 Client ID : IA-VI-04(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513558
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:59
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 22:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.410	0.200	--	2.03	0.989	--	
74-87-3	Chloromethane	0.513	0.200	--	1.06	0.413	--	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	0.751	0.200	--	1.66	0.442	--	
74-83-9	Bromomethane	0.700	0.200	--	2.72	0.777	--	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethyl Alcohol	119	5.00	--	224	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	139	1.00	--	330	2.38	--	
75-69-4	Trichlorofluoromethane	1.18	0.200	--	6.63	1.12	--	
67-63-0	iso-Propyl Alcohol	62.3	0.500	--	153	1.23	--	
75-65-0	tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	1.36	0.200	--	5.39	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.10	0.500	--	6.19	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.240	0.200	--	0.846	0.705	--	
71-43-2	Benzene	0.272	0.200	--	0.869	0.639	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-04
 Client ID : IA-VI-04(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513558
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:59
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 22:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
1330-20-7	Xylene (Total)	0.472	0.200	--	2.05	0.869	--	
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	1.27	0.200	--	4.79	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.472	0.400	--	2.05	1.74	--	
540-59-0	1,2-Dichloroethene (total)	1.36	0.200	--	5.39	0.793	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
542-75-6	1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.371	0.200	--	1.82	0.983	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-04
 Client ID : IA-VI-04(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513558
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:59
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 22:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-05
 Client ID : GWL-DUP(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513555
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 20:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--	
74-87-3	Chloromethane	0.465	0.200	--	0.960	0.413	--	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	0.711	0.200	--	1.57	0.442	--	
74-83-9	Bromomethane	0.868	0.200	--	3.37	0.777	--	
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethyl Alcohol	46.0	5.00	--	86.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	31.6	1.00	--	75.1	2.38	--	
75-69-4	Trichlorofluoromethane	1.22	0.200	--	6.86	1.12	--	
67-63-0	iso-Propyl Alcohol	162	0.500	--	398	1.23	--	
75-65-0	tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	10.7	0.200	--	42.4	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	2.34	0.500	--	6.90	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.323	0.200	--	1.14	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-05
 Client ID : GWL-DUP(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513555
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 20:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.247	0.200	--	1.15	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
1330-20-7	Xylene (Total)	0.753	0.200	--	3.27	0.869	--	
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.507	0.200	--	1.91	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.548	0.400	--	2.38	1.74	--	
540-59-0	1,2-Dichloroethene (total)	10.7	0.200	--	42.4	0.793	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
542-75-6	1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.205	0.200	--	0.890	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	0.442	0.200	--	2.17	0.983	--	



Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-05
 Client ID : GWL-DUP(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1513555
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/12/19 20:38
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-01
 Client ID : GWL-AA(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R179657_EV2
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:52
 Date Received : 08/07/19
 Date Analyzed : 08/14/19 21:27
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-02
 Client ID : IA-BLDG-7B-1(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R179661_EV2
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:58
 Date Received : 08/07/19
 Date Analyzed : 08/15/19 00:06
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.047	0.020	--	0.186	0.079	--	
156-59-2	cis-1,2-Dichloroethene	0.253	0.020	--	1.00	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.057	0.020	--	0.311	0.109	--	
56-23-5	Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--	
79-01-6	Trichloroethene	0.535	0.020	--	2.88	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.155	0.020	--	1.05	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-03
 Client ID : IA-BLDG-7B-2(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R179663_EV2
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/15/19 01:25
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.025	0.020	--	0.099	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.082	0.020	--	0.447	0.109	--	
56-23-5	Carbon tetrachloride	0.058	0.020	--	0.365	0.126	--	
79-01-6	Trichloroethene	1.44	0.020	--	7.74	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.245	0.020	--	1.66	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-04
 Client ID : IA-VI-04(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R179664_EV2
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 09:59
 Date Received : 08/07/19
 Date Analyzed : 08/15/19 02:05
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.059	0.020	--	0.322	0.109	--	
56-23-5	Carbon tetrachloride	0.051	0.020	--	0.321	0.126	--	
79-01-6	Trichloroethene	1.15	0.020	--	6.18	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.225	0.020	--	1.53	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM GW LISK
 Lab ID : L1935294-05
 Client ID : GWL-DUP(08062019)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R179665_EV2
 Sample Amount : 250 ml

Lab Number : L1935294
 Project Number : 0500166
 Date Collected : 08/07/19 10:00
 Date Received : 08/07/19
 Date Analyzed : 08/15/19 02:44
 Dilution Factor : 1
 Analyst : TS
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	0.023	0.020	--	0.091	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.077	0.020	--	0.420	0.109	--	
56-23-5	Carbon tetrachloride	0.058	0.020	--	0.365	0.126	--	
79-01-6	Trichloroethene	1.38	0.020	--	7.42	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.242	0.020	--	1.64	0.136	--	



DATA USABILITY SUMMARY REPORT (DUSR)

Client: Environmental Resources Management

Site: G.W. Lisk Facility - Clifton Springs, New York

Laboratory: Alpha Analytical – Mansfield, MA

Lab Number: L2004012

Date: February 19, 2020

EDS Sample ID	Client Sample ID	Laboratory Sample ID	Matrix
01	GWL-NOVEC-01-NOV132 018A00471 (0128202	L2004012-01	Air
02	GWL-G3-01-19275(01282020)	L2004012-02	Air
03	GWL-G3-02-19308(01282020)	L2004012-03	Air

VOLATILE ORGANIC COMPOUNDS (VOCs)

Compendium Method TO-15

The samples were analyzed following “Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B”, Compendium Method TO-15, “Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)”. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (January 2017), the USEPA Region 2 Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, and the reviewer’s professional judgment.

Note – The data package was revised to report the full analyte list.

Chain-of-Custody (COC) – No discrepancies were identified.

Holding Time (HT) – All HT criteria were met.

Canister Certification – Canisters were batch certified. No positively identified target analytes were observed.

Canister and Flow Controller Receipt – All criteria were acceptable.

Surrogates – Surrogates were not spiked into the samples. No qualification is required.

Lab Control Sample (LCS) – All percent recovery (%R) met QC criteria.

Method Blank (MB) - The MB contained no positively identified target analytes.

GC/MS Tuning – All tuning criteria were met.

Initial Calibration (ICAL) - The ICAL exhibited acceptable percent relative standard deviation (%RSD) and mean relative response factor (RRF) values.

Continuing Calibration Verifications (CCVs) - The CCVs exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All IS met response and retention time (RT) criteria.

Reporting Limits (RLs)/Analyte Identification – All analytes were analyzed in Selective Ion Monitoring (SIM) mode.

All samples were analyzed at dilutions due to elevated target analyte concentrations. EDS 01 was reanalyzed at a further dilution due to the concentration of trans-1,2-Dichloroethene exceeding the calibration range of the instrument in the initial analysis. The result for trans-1,2-Dichloroethene from the diluted analysis is to be reported. All other results are reported from the initial analysis. All dilutions were justified. No qualification of the sample data is required.

Data Qualifier	Definition
None	The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U (ND)	Non-Detect. The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is usable as a non-detect at the RL.

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-01D
 Client ID : GWL-NOVEC-01-NOV132 018A00471
 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516764_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 10:34
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 03:45
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
115-07-1	Propylene	ND	12500	--	ND	21500	--	U
75-71-8	Dichlorodifluoromethane	ND	5000	--	ND	24700	--	U
74-87-3	Chloromethane	ND	5000	--	ND	10300	--	U
76-14-2	Freon-114	ND	1250	--	ND	8740	--	U
75-01-4	Vinyl chloride	ND	500	--	ND	1280	--	U
106-99-0	1,3-Butadiene	ND	500	--	ND	1110	--	U
74-83-9	Bromomethane	ND	500	--	ND	1940	--	U
75-00-3	Chloroethane	ND	2500	--	ND	6600	--	U
64-17-5	Ethanol	ND	125000	--	ND	236000	--	U
593-60-2	Vinyl bromide	ND	5000	--	ND	21900	--	U
67-64-1	Acetone	ND	25000	--	ND	59400	--	U
75-69-4	Trichlorofluoromethane	ND	1250	--	ND	7020	--	U
67-63-0	Isopropanol	23600	12500	--	58000	30700	--	
75-35-4	1,1-Dichloroethene	ND	500	--	ND	1980	--	U
75-09-2	Methylene chloride	ND	12500	--	ND	43400	--	U
107-05-1	3-Chloropropene	ND	5000	--	ND	15700	--	U
75-15-0	Carbon disulfide	ND	5000	--	ND	15600	--	U
76-13-1	Freon-113	ND	1250	--	ND	9580	--	U
156-60-5	trans-1,2-Dichloroethene	1460000	500		5790000	1980		E
75-34-3	1,1-Dichloroethane	ND	500	--	ND	2020	--	U
1634-04-4	Methyl tert butyl ether	ND	5000	--	ND	18000	--	U
108-05-4	Vinyl acetate	ND	25000	--	ND	88000	--	U
78-93-3	2-Butanone	ND	12500	--	ND	36900	--	U
156-59-2	cis-1,2-Dichloroethene	2000	500	--	7930	1980	--	



Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-01D
 Client ID : GWL-NOVEC-01-NOV132 018A00471
 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516764_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 10:34
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 03:45
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
141-78-6	Ethyl Acetate	ND	12500	--	ND	45000	--	U
67-66-3	Chloroform	ND	500	--	ND	2440	--	U
109-99-9	Tetrahydrofuran	ND	12500	--	ND	36900	--	U
107-06-2	1,2-Dichloroethane	ND	500	--	ND	2020	--	U
110-54-3	n-Hexane	ND	5000	--	ND	17600	--	U
71-55-6	1,1,1-Trichloroethane	ND	500	--	ND	2730	--	U
71-43-2	Benzene	ND	2500	--	ND	7990	--	U
56-23-5	Carbon tetrachloride	ND	500	--	ND	3150	--	U
110-82-7	Cyclohexane	ND	5000	--	ND	17200	--	U
78-87-5	1,2-Dichloropropane	ND	500	--	ND	2310	--	U
75-27-4	Bromodichloromethane	ND	500	--	ND	3350	--	U
123-91-1	1,4-Dioxane	ND	2500	--	ND	9010	--	U
79-01-6	Trichloroethene	1720	500	--	9240	2690	--	
540-84-1	2,2,4-Trimethylpentane	ND	5000	--	ND	23400	--	U
142-82-5	Heptane	ND	5000	--	ND	20500	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	500	--	ND	2270	--	U
108-10-1	4-Methyl-2-pentanone	ND	12500	--	ND	51200	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	500	--	ND	2270	--	U
79-00-5	1,1,2-Trichloroethane	ND	500	--	ND	2730	--	U
108-88-3	Toluene	ND	1250	--	ND	4710	--	U
591-78-6	2-Hexanone	ND	5000	--	ND	20500	--	U
124-48-1	Dibromochloromethane	ND	500	--	ND	4260	--	U
106-93-4	1,2-Dibromoethane	ND	500	--	ND	3840	--	U
127-18-4	Tetrachloroethene	500	500	--	3390	3390	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-01D
 Client ID : GWL-NOVEC-01-NOV132 018A00471
 (01282020)

Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516764_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 10:34
 Date Received : 01/28/20

Date Analyzed : 02/04/20 03:45
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
108-90-7	Chlorobenzene	ND	2500	--	ND	11500	--	U
100-41-4	Ethylbenzene	ND	500	--	ND	2170	--	U
179601-23-1	p/m-Xylene	ND	1000	--	ND	4340	--	U
75-25-2	Bromoform	ND	500	--	ND	5170	--	U
100-42-5	Styrene	ND	500	--	ND	2130	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	--	ND	3430	--	U
95-47-6	o-Xylene	ND	500	--	ND	2170	--	U
622-96-8	4-Ethyltoluene	ND	500	--	ND	2460	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	500	--	ND	2460	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	500	--	ND	2460	--	U
100-44-7	Benzyl chloride	ND	5000	--	ND	25900	--	U
541-73-1	1,3-Dichlorobenzene	ND	500	--	ND	3010	--	U
106-46-7	1,4-Dichlorobenzene	ND	500	--	ND	3010	--	U
95-50-1	1,2-Dichlorobenzene	ND	500	--	ND	3010	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1250	--	ND	9280	--	U
91-20-3	Naphthalene	ND	1250	--	ND	6550	--	U
87-68-3	Hexachlorobutadiene	ND	1250	--	ND	13300	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-01D2
 Client ID : GWL-NOVEC-01-NOV132 018A00471
 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516767_EV2
 Sample Amount : 0.00620 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 10:34
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 06:25
 Dilution Factor : 40320
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	1420000	806	--	5630000	3200	--	



Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-02D
 Client ID : GWL-G3-01-19275 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516765_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 11:50
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 04:22
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
115-07-1	Propylene	ND	12500	--	ND	21500	--	U
75-71-8	Dichlorodifluoromethane	ND	5000	--	ND	24700	--	U
74-87-3	Chloromethane	ND	5000	--	ND	10300	--	U
76-14-2	Freon-114	ND	1250	--	ND	8740	--	U
75-01-4	Vinyl chloride	ND	500	--	ND	1280	--	U
106-99-0	1,3-Butadiene	ND	500	--	ND	1110	--	U
74-83-9	Bromomethane	ND	500	--	ND	1940	--	U
75-00-3	Chloroethane	ND	2500	--	ND	6600	--	U
64-17-5	Ethanol	142000	125000	--	268000	236000	--	
593-60-2	Vinyl bromide	ND	5000	--	ND	21900	--	U
67-64-1	Acetone	ND	25000	--	ND	59400	--	U
75-69-4	Trichlorofluoromethane	ND	1250	--	ND	7020	--	U
67-63-0	Isopropanol	ND	12500	--	ND	30700	--	U
75-35-4	1,1-Dichloroethene	ND	500	--	ND	1980	--	U
75-09-2	Methylene chloride	ND	12500	--	ND	43400	--	U
107-05-1	3-Chloropropene	ND	5000	--	ND	15700	--	U
75-15-0	Carbon disulfide	ND	5000	--	ND	15600	--	U
76-13-1	Freon-113	ND	1250	--	ND	9580	--	U
156-60-5	trans-1,2-Dichloroethene	1040000	500	--	4120000	1980	--	
75-34-3	1,1-Dichloroethane	ND	500	--	ND	2020	--	U
1634-04-4	Methyl tert butyl ether	ND	5000	--	ND	18000	--	U
108-05-4	Vinyl acetate	ND	25000	--	ND	88000	--	U
78-93-3	2-Butanone	ND	12500	--	ND	36900	--	U
156-59-2	cis-1,2-Dichloroethene	900	500	--	3570	1980	--	
141-78-6	Ethyl Acetate	ND	12500	--	ND	45000	--	U
67-66-3	Chloroform	ND	500	--	ND	2440	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-02D
 Client ID : GWL-G3-01-19275 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516765_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 11:50
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 04:22
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
109-99-9	Tetrahydrofuran	ND	12500	--	ND	36900	--	U
107-06-2	1,2-Dichloroethane	ND	500	--	ND	2020	--	U
110-54-3	n-Hexane	ND	5000	--	ND	17600	--	U
71-55-6	1,1,1-Trichloroethane	ND	500	--	ND	2730	--	U
71-43-2	Benzene	ND	2500	--	ND	7990	--	U
56-23-5	Carbon tetrachloride	ND	500	--	ND	3150	--	U
110-82-7	Cyclohexane	ND	5000	--	ND	17200	--	U
78-87-5	1,2-Dichloropropane	ND	500	--	ND	2310	--	U
75-27-4	Bromodichloromethane	ND	500	--	ND	3350	--	U
123-91-1	1,4-Dioxane	ND	2500	--	ND	9010	--	U
79-01-6	Trichloroethene	600	500	--	3220	2690	--	
540-84-1	2,2,4-Trimethylpentane	ND	5000	--	ND	23400	--	U
142-82-5	Heptane	ND	5000	--	ND	20500	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	500	--	ND	2270	--	U
108-10-1	4-Methyl-2-pentanone	ND	12500	--	ND	51200	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	500	--	ND	2270	--	U
79-00-5	1,1,2-Trichloroethane	ND	500	--	ND	2730	--	U
108-88-3	Toluene	ND	1250	--	ND	4710	--	U
591-78-6	2-Hexanone	ND	5000	--	ND	20500	--	U
124-48-1	Dibromochloromethane	ND	500	--	ND	4260	--	U
106-93-4	1,2-Dibromoethane	ND	500	--	ND	3840	--	U
127-18-4	Tetrachloroethene	ND	500	--	ND	3390	--	U
108-90-7	Chlorobenzene	ND	2500	--	ND	11500	--	U
100-41-4	Ethylbenzene	ND	500	--	ND	2170	--	U
179601-23-1	p/m-Xylene	ND	1000	--	ND	4340	--	U
75-25-2	Bromoform	ND	500	--	ND	5170	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-02D
 Client ID : GWL-G3-01-19275 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516765_EV2
 Sample Amount : 0.0100 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 11:50
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 04:22
 Dilution Factor : 25000
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-42-5	Styrene	ND	500	--	ND	2130	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	--	ND	3430	--	U
95-47-6	o-Xylene	ND	500	--	ND	2170	--	U
622-96-8	4-Ethyltoluene	ND	500	--	ND	2460	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	500	--	ND	2460	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	500	--	ND	2460	--	U
100-44-7	Benzyl chloride	ND	5000	--	ND	25900	--	U
541-73-1	1,3-Dichlorobenzene	ND	500	--	ND	3010	--	U
106-46-7	1,4-Dichlorobenzene	ND	500	--	ND	3010	--	U
95-50-1	1,2-Dichlorobenzene	ND	500	--	ND	3010	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1250	--	ND	9280	--	U
91-20-3	Naphthalene	ND	1250	--	ND	6550	--	U
87-68-3	Hexachlorobutadiene	ND	1250	--	ND	13300	--	U



Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-03D
 Client ID : GWL-G3-02-19308 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516766_EV2
 Sample Amount : 0.0120 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 14:37
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 05:28
 Dilution Factor : 20830
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
115-07-1	Propylene	ND	10400	--	ND	17900	--	U
75-71-8	Dichlorodifluoromethane	ND	4170	--	ND	20600	--	U
74-87-3	Chloromethane	ND	4170	--	ND	8610	--	U
76-14-2	Freon-114	ND	1040	--	ND	7270	--	U
75-01-4	Vinyl chloride	ND	417	--	ND	1070	--	U
106-99-0	1,3-Butadiene	ND	417	--	ND	923.	--	U
74-83-9	Bromomethane	ND	417	--	ND	1620	--	U
75-00-3	Chloroethane	ND	2080	--	ND	5490	--	U
64-17-5	Ethanol	122000	104000	--	230000	196000	--	
593-60-2	Vinyl bromide	ND	4170	--	ND	18200	--	U
67-64-1	Acetone	ND	20800	--	ND	49400	--	U
75-69-4	Trichlorofluoromethane	ND	1040	--	ND	5840	--	U
67-63-0	Isopropanol	ND	10400	--	ND	25600	--	U
75-35-4	1,1-Dichloroethene	ND	417	--	ND	1650	--	U
75-09-2	Methylene chloride	ND	10400	--	ND	36100	--	U
107-05-1	3-Chloropropene	ND	4170	--	ND	13100	--	U
75-15-0	Carbon disulfide	ND	4170	--	ND	13000	--	U
76-13-1	Freon-113	ND	1040	--	ND	7970	--	U
156-60-5	trans-1,2-Dichloroethene	926000	417	--	3670000	1650	--	
75-34-3	1,1-Dichloroethane	ND	417	--	ND	1690	--	U
1634-04-4	Methyl tert butyl ether	ND	4170	--	ND	15000	--	U
108-05-4	Vinyl acetate	ND	20800	--	ND	73200	--	U
78-93-3	2-Butanone	ND	10400	--	ND	30700	--	U
156-59-2	cis-1,2-Dichloroethene	666	417	--	2640	1650	--	
141-78-6	Ethyl Acetate	ND	10400	--	ND	37500	--	U
67-66-3	Chloroform	ND	417	--	ND	2040	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-03D
 Client ID : GWL-G3-02-19308 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516766_EV2
 Sample Amount : 0.0120 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 14:37
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 05:28
 Dilution Factor : 20830
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
109-99-9	Tetrahydrofuran	ND	10400	--	ND	30700	--	U
107-06-2	1,2-Dichloroethane	ND	417	--	ND	1690	--	U
110-54-3	n-Hexane	ND	4170	--	ND	14700	--	U
71-55-6	1,1,1-Trichloroethane	ND	417	--	ND	2280	--	U
71-43-2	Benzene	ND	2080	--	ND	6640	--	U
56-23-5	Carbon tetrachloride	ND	417	--	ND	2620	--	U
110-82-7	Cyclohexane	ND	4170	--	ND	14400	--	U
78-87-5	1,2-Dichloropropane	ND	417	--	ND	1930	--	U
75-27-4	Bromodichloromethane	ND	417	--	ND	2790	--	U
123-91-1	1,4-Dioxane	ND	2080	--	ND	7500	--	U
79-01-6	Trichloroethene	ND	417	--	ND	2240	--	U
540-84-1	2,2,4-Trimethylpentane	ND	4170	--	ND	19500	--	U
142-82-5	Heptane	ND	4170	--	ND	17100	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	417	--	ND	1890	--	U
108-10-1	4-Methyl-2-pentanone	ND	10400	--	ND	42600	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	417	--	ND	1890	--	U
79-00-5	1,1,2-Trichloroethane	ND	417	--	ND	2280	--	U
108-88-3	Toluene	ND	1040	--	ND	3920	--	U
591-78-6	2-Hexanone	ND	4170	--	ND	17100	--	U
124-48-1	Dibromochloromethane	ND	417	--	ND	3550	--	U
106-93-4	1,2-Dibromoethane	ND	417	--	ND	3200	--	U
127-18-4	Tetrachloroethene	ND	417	--	ND	2830	--	U
108-90-7	Chlorobenzene	ND	2080	--	ND	9580	--	U
100-41-4	Ethylbenzene	ND	417	--	ND	1810	--	U
179601-23-1	p/m-Xylene	ND	833	--	ND	3620	--	U
75-25-2	Bromoform	ND	417	--	ND	4310	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : GW LISK
 Lab ID : L2004012-03D
 Client ID : GWL-G3-02-19308 (01282020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1516766_EV2
 Sample Amount : 0.0120 ml

Lab Number : L2004012
 Project Number : 0500166
 Date Collected : 01/28/20 14:37
 Date Received : 01/28/20
 Date Analyzed : 02/04/20 05:28
 Dilution Factor : 20830
 Analyst : TS
 Instrument ID : AIRLAB15
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
100-42-5	Styrene	ND	417	--	ND	1780	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	417	--	ND	2860	--	U
95-47-6	o-Xylene	ND	417	--	ND	1810	--	U
622-96-8	4-Ethyltoluene	ND	417	--	ND	2050	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	417	--	ND	2050	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	417	--	ND	2050	--	U
100-44-7	Benzyl chloride	ND	4170	--	ND	21600	--	U
541-73-1	1,3-Dichlorobenzene	ND	417	--	ND	2510	--	U
106-46-7	1,4-Dichlorobenzene	ND	417	--	ND	2510	--	U
95-50-1	1,2-Dichlorobenzene	ND	417	--	ND	2510	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1040	--	ND	7720	--	U
91-20-3	Naphthalene	ND	1040	--	ND	5450	--	U
87-68-3	Hexachlorobutadiene	ND	1040	--	ND	11100	--	U



DATA USABILITY SUMMARY REPORT (DUSR)

Client: Environmental Resources Management

Site: G.W. Lisk Facility - Clifton Springs, New York

Laboratory: Alpha Analytical – Mansfield, MA

Lab Number: L2008867

Date: March 21, 2020

EDS Sample ID	Client Sample ID	Laboratory Sample ID	Matrix
01	GWL-AA(02262020)	L2008867-01	Ambient Air
02	GWL-IA-BLDG-7B-1(02262020)	L2008867-02	Indoor Air
03	GWL-IA-VI-04(02262020)	L2008867-03	Indoor Air
04	GWL-IA-BLDG-7B-2(02262020)	L2008867-04	Indoor Air
05	GWL-DUP(02262020)	L2008867-05	Indoor Air

VOLATILE ORGANIC COMPOUNDS (VOCs)

Compendium Method TO-15

The samples were analyzed following “Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B”, Compendium Method TO-15, “Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)”. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review (January 2017), the USEPA Region 2 Data Review Standard Operating Procedure (SOP) Number HW-31, Revision 6, September 2016: Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, and the reviewer’s professional judgment.

Chain-of-Custody (COC) – No discrepancies were identified. The project requires specific reporting limits (RLs) for certain analytes. More details in the RLs/Analyte Identification section.

Holding Time (HT) – All HT criteria were met.

Canister Certification – Canisters were batch certified. No positively identified target analytes were observed.

Canister and Flow Controller Receipt – All criteria were acceptable.

Surrogates – Surrogates were not spiked into the samples. No qualification is required.

Lab Control Sample (LCS) – All percent recovery (%R) met QC criteria except those in the table below.

LCS ID	Analyte	%R Bias	Associated EDS IDs	Qualifier
WG1347188-3	1,2,4-Trimethylbenzene	High	01	None - Samples ND
	1,3-Dichlorobenzene	High	01-05	None - Samples ND
	1,4-Dichlorobenzene	High		
	1,2-Dichlorobenzene	High		
	1,2,4-Trichlorobenzene	High		
	Hexachlorobutadiene	High		

Laboratory Duplicate (LD) - The LD was analyzed on EDS ID 02. All RPDs were within QC criteria except acetone and trichlorofluoromethane. Acetone was qualified as estimated (J) in this sample. No qualification of trichlorofluoromethane was required as the concentration in the initial sample was less than five times the RL and therefore the limits do not apply.

The SIM LD was analyzed on EDS ID 02. All RPDs were within QC criteria except 1,1,1-trichloroethane. No qualification of 1,1,1-trichloroethane was required as the concentration in the initial sample was less than five times the RL and therefore the limits do not apply.

Method Blank (MB) - The MB contained no positively identified target analytes.

GC/MS Tuning - All tuning criteria were met.

Initial Calibration (ICAL) - The ICAL exhibited acceptable percent relative standard deviation (%RSD) and mean relative response factor (RRF) values.

Continuing Calibration Verifications (CCVs) - The CCVs exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Analyte	%D	Associated EDS IDs	Qualifier
03/04/20	1,2,4-Trimethylbenzene	33.4%	01	UJ
	1,3-Dichlorobenzene	32.2%	01-05	UJ
	1,4-Dichlorobenzene	32.3%		
	1,2-Dichlorobenzene	33.0%		
	1,2,4-Trichlorobenzene	53.7%		
	Hexachlorobutadiene	44.9%		

Internal Standard (IS) Area Performance - All IS met response and retention time (RT) criteria.

Blind Field Duplicate – EDS ID 05 is a blind field duplicate of EDS ID 04. All results matched well.

RLs/Analyte Identification – The following analytes were analyzed separately in Selective Ion Monitoring (SIM) mode to achieve lower RLs for all indoor air (IA) and ambient air (AA) samples: Vinyl chloride, 1,1-Dichloroethene, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Carbon tetrachloride, Trichloroethene, trans-1,3-Dichloropropene, Tetrachloroethene, and 1,2,4-Trimethylbenzene.

EDS ID 02 was reanalyzed at a dilution due to target analytes exceeding the calibration range of the instrument in the initial analysis. The lab has flagged these analytes with an “E” on the Form 1 and reported the diluted result for these analytes on a separate Form 1. The dilution was justified. The result for the analytes from the diluted analysis are to be reported. All other results are reported from the initial analysis. No qualification of the sample data is required.

Data Qualifier	Definition
None	The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U (ND)	Non-Detect. The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is usable as a non-detect at the RL.

Results Summary

Form 1

Volatile Organics in Air

Client : ERM, Inc.
 Project Name : SVI IRM
 Lab ID : L2008867-01
 Client ID : GWL-AA (02262020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R38501
 Sample Amount : 250 ml

Lab Number : L2008867
 Project Number : 0500166
 Date Collected : 02/27/20 09:07
 Date Received : 02/27/20
 Date Analyzed : 03/04/20 21:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.393	0.200	--	1.94	0.989	--	
74-87-3	Chloromethane	0.541	0.200	--	1.12	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.76	1.00	--	4.18	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	2.07	0.500	--	5.09	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U

NW 3/21/20



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-01
Client ID : GWL-AA (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38501
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:07
Date Received : 02/27/20
Date Analyzed : 03/04/20 21:56
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND UJ	0.200	--	ND UJ	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND UJ	0.200	--	ND UJ	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND UJ	0.200	--	ND UJ	1.20	--	U



Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-01
Client ID : GWL-AA (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38501
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:07
Date Received : 02/27/20
Date Analyzed : 03/04/20 21:56
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND <i>uj</i>	0.200	--	ND <i>uj</i>	1.20	--	<i>u</i>
120-82-1	1,2,4-Trichlorobenzene	ND <i>↓</i>	0.200	--	ND <i>↓</i>	1.48	--	<i>u</i>
87-68-3	Hexachlorobutadiene	ND <i>↓</i>	0.200	--	ND <i>↓</i>	2.13	--	<i>u</i>

Results Summary Form 1 Volatile Organics in Air

2

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-02
Client ID : GWL-IA-BLDG-7B-1 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38502
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:24
Date Received : 02/27/20
Date Analyzed : 03/04/20 22:34
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.496	0.200	--	2.45	0.989	--	
74-87-3	Chloromethane	0.596	0.200	--	1.23	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	70.2	5.00	--	132	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	21.4 J	1.00	--	50.8 J	2.38	--	
75-69-4	Trichlorofluoromethane	0.430	0.200	--	2.42	1.12	--	
67-63-0	Isopropanol	1300 1090	0.500 8.34	--	3260 2680	1.29 20.5	--	E
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.249	0.200	--	0.775	0.623	--	
76-13-1	Freon-113	0.288	0.200	--	2.21	1.53	--	
156-60-5	trans-1,2-Dichloroethene	249 274	0.200 3.33	--	987 1090	0.793 13.2	--	E
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.782	0.500	--	2.31	1.47	--	
141-78-6	Ethyl Acetate	1.21	0.500	--	4.36	1.80	--	
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.219	0.200	--	0.700	0.639	--	

nw 3/21/20



Results Summary Form 1 Volatile Organics in Air

2

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-02
Client ID : GWL-IA-BLDG-7B-1 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38502
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:24
Date Received : 02/27/20
Date Analyzed : 03/04/20 22:34
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.586	0.200	--	2.21	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	6.07	0.200	--	26.4	0.869	--	
179601-23-1	p/m-Xylene	22.3	0.400	--	96.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	5.94	0.200	--	25.8	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

new 3/20/20



Results Summary Form 1 Volatile Organics in Air

2

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-02
Client ID : GWL-IA-BLDG-7B-1 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38502
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:24
Date Received : 02/27/20
Date Analyzed : 03/04/20 22:34
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.200	--	ND <i>uJ</i>	1.48	--	<i>uJ</i>
87-68-3	Hexachlorobutadiene	ND <i>uJ</i>	0.200	--	ND <i>uJ</i>	2.13	--	<i>uJ</i>

new 3/24/20



Results Summary

Form 1

Volatile Organics in Air

2

Client : ERM, Inc.
 Project Name : SVI IRM
 Lab ID : L2008867-02D
 Client ID : GWL-IA-BLDG-7B-1 (02262020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R38510
 Sample Amount : 15.0 ml

Lab Number : L2008867
 Project Number : 0500166
 Date Collected : 02/27/20 09:24
 Date Received : 02/27/20
 Date Analyzed : 03/05/20 06:07
 Dilution Factor : 16.67
 Analyst : RY
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

Use original results

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	1300	8.34	--	3200	20.5	--	
156-60-5	trans-1,2-Dichloroethene	249	3.33	--	987	13.2	--	

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Results Summary Form 1 Volatile Organics in Air

3

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-03
Client ID : GWL-IA-VI-04 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38504
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:26
Date Received : 02/27/20
Date Analyzed : 03/04/20 23:51
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.357	0.200	--	1.77	0.989	--	
74-87-3	Chloromethane	0.438	0.200	--	0.904	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	38.5	5.00	--	72.5	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.97	1.00	--	16.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.304	0.200	--	1.71	1.12	--	
67-63-0	Isopropanol	65.0	0.500	--	160	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.417	0.200	--	3.20	1.53	--	
156-60-5	trans-1,2-Dichloroethene	0.767	0.200	--	3.04	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.995	0.500	--	2.93	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.692	0.500	--	2.04	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.227	0.200	--	0.725	0.639	--	

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Results Summary Form 1 Volatile Organics in Air

3

Client : ERM, Inc.
Project Name : SVI IIR
Lab ID : L2008867-03
Client ID : GWL-IA-VI-04 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38504
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:26
Date Received : 02/27/20
Date Analyzed : 03/04/20 23:51
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.229	0.200	--	1.07	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.454	0.200	--	1.71	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	0.563	0.400	--	2.45	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.251	0.200	--	1.09	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND UJ	0.200	--	ND UJ	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND ↓	0.200	--	ND ↓	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND ↓	0.200	--	ND ↓	1.20	--	U

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Results Summary Form 1 Volatile Organics in Air

3

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-03
Client ID : GWL-IA-VI-04 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38504
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:26
Date Received : 02/27/20
Date Analyzed : 03/04/20 23:51
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND <i>uj</i>	0.200	--	ND <i>uj</i>	1.48	--	<i>Y</i>
87-68-3	Hexachlorobutadiene	ND <i>j</i>	0.200	--	ND <i>j</i>	2.13	--	<i>Y</i>

NW 3/21/20



Results Summary Form 1 Volatile Organics in Air

4

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-04
Client ID : GWL-IA-BLDG-7B-2 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38505
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 00:30
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.350	0.200	--	1.73	0.989	--	
74-87-3	Chloromethane	0.439	0.200	--	0.907	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	46.9	5.00	--	88.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	7.63	1.00	--	18.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.276	0.200	--	1.55	1.12	--	
67-63-0	Isopropanol	190	0.500	--	467	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.423	0.200	--	3.24	1.53	--	
156-60-5	trans-1,2-Dichloroethene	16.7	0.200	--	66.2	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.992	0.500	--	2.93	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.228	0.200	--	0.728	0.639	--	

NW 3/21/20



Results Summary Form 1 Volatile Organics in Air

4

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-04
Client ID : GWL-IA-BLDG-7B-2 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38505
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 00:30
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.267	0.200	--	1.25	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.497	0.200	--	1.87	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.454	0.200	--	1.97	0.869	--	
179601-23-1	p/m-Xylene	1.66	0.400	--	7.21	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.521	0.200	--	2.26	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary Form 1 Volatile Organics in Air

4

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-04
Client ID : GWL-IA-BLDG-7B-2 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38505
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 00:30
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.200	--	ND <i>uJ</i>	1.48	--	<i>uJ</i>
87-68-3	Hexachlorobutadiene	ND <i>↓</i>	0.200	--	ND <i>↓</i>	2.13	--	<i>↓</i>

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Results Summary Form 1 Volatile Organics in Air

5

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-05
Client ID : GWL-DUP (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38506
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 01:08
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.338	0.200	--	1.67	0.989	--	
74-87-3	Chloromethane	0.442	0.200	--	0.913	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	48.5	5.00	--	91.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	7.20	1.00	--	17.1	2.38	--	
75-69-4	Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--	
67-63-0	Isopropanol	180	0.500	--	442	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.419	0.200	--	3.21	1.53	--	
156-60-5	trans-1,2-Dichloroethene	16.4	0.200	--	65.0	0.793	--	
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.935	0.500	--	2.76	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.227	0.200	--	0.725	0.639	--	

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Results Summary Form 1 Volatile Organics in Air

5

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-05
Client ID : GWL-DUP (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38506
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 01:08
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	0.271	0.200	--	1.27	0.934	--	
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.491	0.200	--	1.85	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.445	0.200	--	1.93	0.869	--	
179601-23-1	p/m-Xylene	1.60	0.400	--	6.95	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.505	0.200	--	2.19	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND NJ	0.200	--	ND NJ	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U

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Results Summary Form 1 Volatile Organics in Air

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-05
Client ID : GWL-DUP (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R38506
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 01:08
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND <i>uJ</i>	0.200	--	ND <i>uJ</i>	1.48	--	U
87-68-3	Hexachlorobutadiene	ND <i>J</i>	0.200	--	ND <i>J</i>	2.13	--	U

Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM
 Lab ID : L2008867-01
 Client ID : GWL-AA (02262020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R38501_EV2
 Sample Amount : 250 ml

Lab Number : L2008867
 Project Number : 0500166
 Date Collected : 02/27/20 09:07
 Date Received : 02/27/20
 Date Analyzed : 03/04/20 21:56
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.051	0.020	--	0.321	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

2

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM
 Lab ID : L2008867-02
 Client ID : GWL-IA-BLDG-7B-1 (02262020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R38502_EV2
 Sample Amount : 250 ml

Lab Number : L2008867
 Project Number : 0500166
 Date Collected : 02/27/20 09:24
 Date Received : 02/27/20
 Date Analyzed : 03/04/20 22:34
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.039	0.020	--	0.155	0.079	--	
156-59-2	cis-1,2-Dichloroethene	0.406	0.020	--	1.61	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.069	0.020	--	0.376	0.109	--	
56-23-5	Carbon tetrachloride	0.061	0.020	--	0.384	0.126	--	
79-01-6	Trichloroethene	0.718	0.020	--	3.86	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.196	0.020	--	1.33	0.136	--	
95-63-6	1,2,4-Trimethylbenzene	0.337	0.020	--	1.66	0.098	--	



3

Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-03
Client ID : GWL-IA-VI-04 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R38504_EV2
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 09:26
Date Received : 02/27/20
Date Analyzed : 03/04/20 23:51
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.028	0.020	--	0.111	0.079	--	
156-59-2	cis-1,2-Dichloroethene	0.023	0.020	--	0.091	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.129	0.020	--	0.704	0.109	--	
56-23-5	Carbon tetrachloride	0.055	0.020	--	0.346	0.126	--	
79-01-6	Trichloroethene	1.71	0.020	--	9.19	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.295	0.020	--	2.00	0.136	--	
95-63-6	1,2,4-Trimethylbenzene	0.565	0.020	--	2.78	0.098	--	



4

Results Summary Form 1 Volatile Organics in Air by SIM

Client : ERM, Inc.
Project Name : SVI IRM
Lab ID : L2008867-04
Client ID : GWL-IA-BLDG-7B-2 (02262020)
Sample Location : CLIFTON SPRINGS, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R38505_EV2
Sample Amount : 250 ml

Lab Number : L2008867
Project Number : 0500166
Date Collected : 02/27/20 11:04
Date Received : 02/27/20
Date Analyzed : 03/05/20 00:30
Dilution Factor : 1
Analyst : RY
Instrument ID : AIRPIANO3
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.026	0.020	--	0.103	0.079	--	
156-59-2	cis-1,2-Dichloroethene	0.061	0.020	--	0.242	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.118	0.020	--	0.644	0.109	--	
56-23-5	Carbon tetrachloride	0.055	0.020	--	0.346	0.126	--	
79-01-6	Trichloroethene	1.83	0.020	--	9.83	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.306	0.020	--	2.08	0.136	--	
95-63-6	1,2,4-Trimethylbenzene	0.408	0.020	--	2.01	0.098	--	

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Results Summary

Form 1

Volatile Organics in Air by SIM

Client : ERM, Inc.
 Project Name : SVI IRM
 Lab ID : L2008867-05
 Client ID : GWL-DUP (02262020)
 Sample Location : CLIFTON SPRINGS, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R38506_EV2
 Sample Amount : 250 ml

Lab Number : L2008867
 Project Number : 0500166
 Date Collected : 02/27/20 11:04
 Date Received : 02/27/20
 Date Analyzed : 03/05/20 01:08
 Dilution Factor : 1
 Analyst : RY
 Instrument ID : AIRPIANO3
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.023	0.020	--	0.091	0.079	--	
156-59-2	cis-1,2-Dichloroethene	0.049	0.020	--	0.194	0.079	--	
71-55-6	1,1,1-Trichloroethane	0.110	0.020	--	0.600	0.109	--	
56-23-5	Carbon tetrachloride	0.055	0.020	--	0.346	0.126	--	
79-01-6	Trichloroethene	1.81	0.020	--	9.73	0.107	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
127-18-4	Tetrachloroethene	0.293	0.020	--	1.99	0.136	--	
95-63-6	1,2,4-Trimethylbenzene	0.378	0.020	--	1.86	0.098	--	

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Appendix F
Mitigation
Products Used

RADON PRO HYBRID SEALANT

EXCLUSIVELY FROM RADONAWAY®

RadonAway® Radon Pro Hybrid Sealant (P/N 28523) meets most basement and crawlspace needs. Use our hybrid sealant for sealing expansion and control joints (i.e., wall joints, copings, window and door perimeters, etc.). This easy-to-use, professional grade sealant is long-lasting, self-leveling, non-sag and moisture curing. It contains little to no solvent and is virtually odor free.

FEATURES

- Professional grade polyurethane*
- Non-yellowing limestone color
- Moisture-curing
- Elastomeric (non-sag)
- Allows $\pm 50\%$ joint movement
- Long-lasting seal
- Low VOC content
- Meets radon standards

*silicone/urethane hybrid



Available in Single Tubes
or 12-Pack Contractor Box



SEALANT COMPARISON TABLE

SEALANT TYPE	CONCRETE ADHESION	SHRINKAGE	MAX. ALLOWABLE JOINT MOVEMENT
Polyurethane (Pro Sealant)	Excellent	<10%	High
Butyl	Excellent	Up to 20%	Low
Silicone	Good	<10%	Moderate
Elastomeric Copolymer	Good	<10%	Moderate
Elastomeric Acrylic	Moderate	Up to 30%	Low

RECOMMENDED ACCESSORIES



Dripless® Caulking Gun
P/N 74003



HarcoPaint® MiracleWipes
P/N 68110



Caulk Saver
P/N 68085

DRYLOK® Original Basement & Masonry Waterproofer

MANUFACTURER

UNITED GILSONITE LABORATORIES

MAILING: P.O. Box 70, Scranton, Pennsylvania, 18501

SHIPPING: 1396 Jefferson Avenue, Dunmore, Pennsylvania, 18509

TOLL FREE: 1-800-UGL-LABS (845-5227)

PHONE: 1-570-344-1202 • FAX: 1-570-969-7634

www.UGL.com



PRODUCT DESCRIPTION

DRYLOK® Original Basement & Masonry Waterproofer is the manageable way to solve water seepage problems. Reduces radon gas penetration by reducing vapor transfer.

- Guaranteed to stop water
- No pre-mixing or pre-wetting
- Resists 10 PSI, equivalent to a wall of water 22 ft. high
- Fully transferable 10 year warranty
- Resists 98 MPH wind-driven rain
- Tintable

BASIC USES

Formulated for waterproofing all interior, exterior, above or below grade masonry walls, cinder and concrete blocks, stucco and brick, retaining walls, fish ponds, birdbaths, planters, water features, basement walls, and foundations.

LIMITATIONS

DRYLOK® Original Basement & Masonry Waterproofer® may be applied over previous coatings in sound condition, but the warranty is void. **Not formulated for horizontal surfaces subject to foot traffic.**

TECHNICAL DATA

COMPOSITION:

Latex base

SHEEN:

Flat

% WEIGHT SOLIDS:

65-67%

DENSITY (LBS./US GAL.):

12.7-12.8 (1.52 g/L)

VISCOSITY:

120-130 Ku @ 77°F (25°C)

pH:

9.5-9.9

COLORS:

- White – ready mixed formula
- 3 ready mixed colors

DRY TIME:

- 2-3 hours
- To recoat: 2-3 hours
- Top coat with latex paint: 24 hours

Note: Maximum cure and dry time will be prolonged when slightly humid and damp, cool conditions prevail.

CLEAN UP:

Soap and water

Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

COVERAGE (SQ. FT./GAL.):

First coat: Wet: 21 Dry: 10 mils @ 76 sq. ft./gal.

Second coat: Wet: 13 Dry: 7 mils @ 125 sq. ft./gal.

Note: Actual coverage will vary depending upon application method, surface texture, and porosity.

RECOMMENDED FILM THICKNESS/COAT:

21-13 wet mils/2 coats
(533-330 microns)

SHELF LIFE:

5 Years unopened container

FREEZE/THAW:

Three cycles

CONTAINER SIZES:

One quart (946 mL), one gallon (3.785 L), two gallon (7.5 L) and five gallon (18.9 L) containers

VOC

Does not exceed 100 g/L

TINTING

Tint to light shades with alkali-proof universal tinting colors. Use only 25% of color normally recommended. Do not use more than 2 fl. oz. (15 g/L) of colorant per gallon.

SURFACE PREPARATION

Surface must be clean and free from dirt, dust, grease, oil, form release compound, or paint. Patch all holes, or cracks, and the floor/wall joint with DRYLOK® Fast Plug®, or a fast setting hydraulic cement, and smooth the patch evenly with the surface around it. Check the joint where the floor and wall meet and fill any breaks with DRYLOK® Fast Plug®.

EFFLORESCENCE, a white, powdery, crystal-like deposit visible on the masonry surface must be removed.

DRYLOK® Etch (liquid or powder) or muriatic acid, used according to manufacturer's directions, are effective efflorescence removal agents. All masonry surfaces are subject to occurrences of efflorescence.

Old paint in poor condition must be removed by wire-brushing, sand blasting, or by using other suitable means.

May be applied on slightly damp surfaces, but best results are obtained when applied over dry surfaces. For best waterproofing results, wait for a dry (rain-free) period.

WARNING

If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS



DRY TIME:

2-3 Hours
Recoat 2-3 Hours



CLEAN-UP:

Soap and Water



COVERAGE:

2 Coats Minimum



SPREAD RATE:

100 Sq. Ft./Gallon

TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

STIR THOROUGHLY BEFORE AND DURING APPLICATION. DO NOT THIN. Paint only when air and surface temperatures are 50°F (10°C), or higher. Apply DRYLOK® Original Basement & Masonry Waterproofer directly on bare masonry. Apply first coat with DRYLOK® BRUSH or good quality nylon bristle brush working DRYLOK® Original Basement & Masonry Waterproofer into the pores of the masonry - avoid excessive brushing (see IMPORTANT). APPLY TWO COATS. Allow to dry 2-3 hours between coats. The second coat may be applied by brush, roller, or spray. For information on spray application specifications visit www.ugl.com.

IMPORTANT

If leaking is still present after two coats, it indicates that pores or pinholes are still open. Paint these areas again. When painting the inside of concrete fish ponds and non-potable water tanks, allow DRYLOK® Original Basement & Masonry Waterproofer to dry at least one week, fill with water.

If desired, a high quality latex paint can be applied over DRYLOK® Original Basement & Masonry Waterproofer after 24 hours for decorative purposes.

CAUTION

Vapor harmful. May affect the brain or nervous system causing dizziness, headache, or nausea. Overexposure may cause lung and kidney damage. **Cancer hazard: contains Crystalline Silica** which can cause

cancer. (Risk of cancer depends on duration and level of exposure.)

Close container after each use. Causes eye, nose, and throat irritation. May be harmful if absorbed through skin. Harmful if swallowed. Do not take internally.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Use only with adequate ventilation. Do not breathe vapors. Ensure fresh air entry during application and drying. If you experience eye watering, headache, or dizziness, or if air monitoring demonstrates vapor levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH-approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING.

FIRST AID

EYES: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes, call poison control center, hospital emergency room, or physician immediately.

SKIN: Wash affected areas with soap and water. Consult a physician if irritation persists.

INHALATION: If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, call poison control center, hospital emergency room, or physician immediately.

INGESTION: If swallowed, do not induce vomiting. Call poison control center, hospital emergency room, or physician immediately.

For additional health and safety information please refer to the "Safety Data Sheet".

SPECIFICATION

DRYLOK® Original Basement & Masonry Waterproofer has been tested to ASTM D-

7088 Resistance to Hydrostatic Pressure and exceeds ASTM D-6904 Resistance to Wind-Driven Rain of 98 mph.

LIMITED WARRANTY

United Gilsonite Laboratories (UGL) warrants DRYLOK® Original Basement & Masonry Waterproofer, when applied according to directions on a properly prepared bare masonry surface, will provide a waterproof coating for ten (10) years from the date of application, warranty includes subsequent owners. There are no other warranties that extend beyond this warranty. This warranty shall not apply when the waterproofer fails due to improper product application, failure to follow label directions, inadequate surface preparation, cracked structural surfaces, reoccurring efflorescence or any conditions not foreseen by UGL. Two coats of DRYLOK® Original Basement & Masonry Waterproofer are required to assure warranted waterproofing. Label directions are as complete as possible, but cannot encompass all conditions, applications and/or surfaces. In the event that the coating fails, your remedy is limited to either replacement of the product purchased or refund of the purchase price. This is the exclusive remedy. For warranty fulfillment, return used product container and sales receipt to UGL, Technical Customer Service, 1396 Jefferson Ave., Dunmore, PA, 18509. **THIS LIMITED WARRANTY EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE.** UGL will in no event be liable for any incidental or consequential damages. Some States do not allow limitations on how long an implied warranty lasts or the exclusion or limitations of incident or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

DRYLOK® is a registered trademark of United Gilsonite Laboratories (UGL).



Original Basement & Masonry Waterproofer

1 QT.	4/Case		27512
1 GAL.	2/Case		27513
2 GAL.	1/Case		27514
5 GAL.	1/Case		27515



White



Gray

n/a
27613
n/a
27615



Beige

n/a
27713
n/a
27715



Blue

n/a
27813
n/a
27815

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NOTE: COLOR SWATCHES ARE REPRESENTATIONAL ONLY.