Site Management Corrective Measures Report for the Restart and Evaluation of the Soil Vapor Extraction ("SVE")

AK Allen IHWDS Site No. 130100

PREPARED FOR

Steel Allen Air, LLC

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SIGNATURE PAGE

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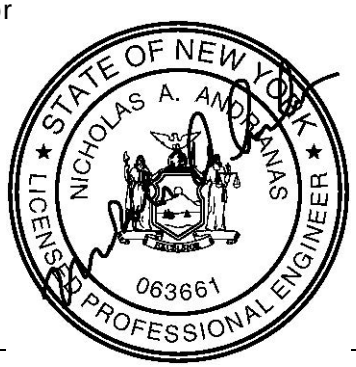

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ACRONYMS AND ABBREVIATIONS

Acronyms	Description
1,1,1-TCA	1,1,1-Trichloroethane
AOC	Area of Concern
ASP	Analytical Services Protocols
AST	Above Ground Storage Tank
BGS	Below Grade Surface
CFM	Cubic Feet per Minute
CMP	Corrective Measures Plan
CMWP	Corrective Measures Work Plan
COC	Constituent of Concern

Acronyms	Description
DUSR	Data Usability Report
ECs	Engineering Controls
EE	Environmental Easement
ELAP	Environmental Laboratory Accreditation Program
EMP	Excavation Management Plan
ERM	ERM Consulting & Engineering, Inc.
FER	Final Engineering Report
FT^2	Square Feet
GAC	Granular Activated Carbon
HVAC	Heating, Ventilation, and Cooling
ICs	Institutional Controls
IRM	Interim Remedial Measures
LIRR	Long Island Rail Road
NCDH	Nassau County Department of Health
NCSSS	Nassau County Sanitary Sewer System
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York Department of Health
OM&M	Operations, Maintenance, and Monitoring
PCE	Tetrachloroethene
PID	Photo-Ionization Detector
PRR	Periodic Review Report
ROD	Record of Decision
ROI	Radius of Influence
RSLs	Regional Screening Levels
SCG	Standards, Criteria, and Guidance Values
SIR	Site Inspection Report
SMP	Site Management Plan
SSDS	Sub-Slab Depressurization System
SV	Soil Vapor

Acronyms	Description
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethene
THQ	Target Hazard Quotient
USEPA	United States Environmental Protection Agency
VISL	Vapor Intrusion Screening Levels

1. INTRODUCTION, PURPOSE & BACKGROUND

This soil vapor extraction (SVE) system Corrective Measures Report (SVE CMR) has been prepared by ERM Consulting & Engineering, Inc. (ERM) on behalf of Steel Allen Air, LLC (Steel Allen Air) to present the results of the implementation of the Site Management Corrective Measures Work Plan for the Restart and Evaluation of the Soil Vapor Extraction (SVE CMWP).

Steel Allen Air, whose corporate offices are located at 999 South Oyster Bay Road, Bethpage, New York, is the current owner of the 4.15-acre parcel of the former AK Allen Company Incorporated (Allen) property located on the southern side of East 2nd Street (225-255 E 2nd Street), in the Village of Mineola, Town of North Hempstead, Nassau County, New York (the Site).

Alkier Steel, LLC and Steel Mineola Second Street, LLC (collectively Alkier Steel) acquired the Site from Allair Holdings, Inc. (f/k/a Allenair Corporation), A.K. Allen Co., Inc., and 255 East Second St. Realty Corp (collectively "Allen"). Allen was a manufacturer of precision-machined metal cylinders and valves, occupied the building from 1957 through circa 2017. Note that as of 1 January 2024, there was a Deed transfer from Alkier Steel to the newly formed affiliate named Steel Allen Air, LLC.

The location of the Site and the physiographic features of the surrounding area are depicted on **Figure 1**. The Site is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program, Site No. 130100, which is administered by New York State Department of Environmental Conservation (NYSDEC).

The SVE CMWP was prepared pursuant the requirements of the March 2023 Order on Consent and Administrative Settlement (2023 Order)[1] between the NYSDEC and Alkier Steel. The SVE CMWP presented a plan of activities and a schedule for repair, restart, operation and evaluation of the existing SVE system that presented:

- A historical SVE data summary evaluation of the existing system;
- Identified operational needs and repairs;
- A project schedule;
- Sampling and testing protocols to demonstrate system performance and confirm that significant rebound of chlorinated volatile organic compounds (VOCs) in soil vapor is not occurring at the Site.

The SVE CMWP was approved by both the NYSDEC and the NYS Department of Health (NYSDOH).

1.1 PURPOSE

The purpose of this SVE CMR is to provide the results of the implementation of the SVE CMWP and demonstrate that continued operation of the SVE system is:

- No longer providing beneficial residual chlorinated volatile organic compound (VOC) mass removal; and
- Redundant and unwarranted because the building-wide sub-slab soil vapor depressurization system (SSDS) installed in 2019-2020 mitigates the potential for soil vapor intrusion into the building more efficiently and effectively than the SVE system. The SSDS affects a vacuum field

[1] Order on Consent Index # Index No. CI 1-20220106-6., Site #1-30-100 between the NYSDEC, and AK Steel LLC and Steel Mineola Second Street, LLC (Respondent), effective date 8 April 2023. RSR requirements are set forth in VII. Miscellaneous, Appendix A II. Initial Submittal & Exhibit B.

beneath the entire 120,000-squarefoot (ft^2) building footprint venting the sub-slab soil vapor to the rooftop away from heating ventilation and cooling (HVAC) equipment air intakes.

This report recommends that the SVE system and associated equipment be dismantled and removed once NYSDEC and NYSDOH gives permission to do so. The SVE well points will be sealed in accordance with NYSDEC and NYSDOH requirements and the system's equipment removed from the Site. Any spent carbon units will be properly disposed of offsite in accordance with the applicable regulations.

Background information regarding the configuration of the Site, historic and current uses and historic summary is presented in the follow subsections,

1.2 BACKGROUND

1.2.1 SITE DESCRIPTION & CURRENT USE

A Site Layout Map showing the location of former interim remedial measure (IRM) excavations and the SVE treatment area is provided as **Figure 2**. The Site is located on approximately 4.15 acres on the south side of E 2nd Street and zoned for Industrial Use. The 4.15-acre Site is identified as Section 9 Block 437, Lots 466 & 467 and Section 9, Block 663, Lots 4A, 4B & 5 on the Nassau County Tax Map, New York.

The Site is bounded by East 2nd Street to the north, the Long Island Railroad (LIRR) track system to the south, an industrial building/developed property to the east, and an industrial building/developed property to the west.

The Site building comprises one single-story, 120,000 ft^2 industrial building and is located south of East 2nd Street. The building was constructed in sections over a period of years between 1945 and 1982 to its current configuration. Historic aerial photographs (1938-1951) indicate the eastern one-third of this building was part of a former sand mine which was subsequently landfilled with unknown materials (1953-1966). Historical construction drawings for two building expansions on the west side show former storm water drywells or cesspools that were filled in as part of the new construction.

Paved driveways are located to the east and west of the building and paved parking is situated along the northern side of the building as well as to the rear (south of the building). A small area at the building's main entrance is landscaped with grass and trees. Surface elevations in the area of the Site exhibit a slight slope to the south and west. Access to the LIRR is restricted by a heavy-duty fence and retaining wall located along the southern boundary of the Site.

The Site is connected to Nassau County Sanitary Sewer System (NCSSS) and is serviced with public well water provided by the Village of Mineola (Town of North Hempstead) in Nassau County. Mineola Building Department records indicate that the 255 East Second Street structure was constructed in 1945 and originally included three cesspools. One of the cesspools was reportedly connected to a series of bathrooms and the other two cesspools were connected to water fountains and the building was connected to the municipal sewer system in 1953, approximately eight years after its construction. Historical groundwater investigations did not identify the former cesspools as impacted areas of concern/historical groundwater contaminant sources.

The Property is fully occupied with tenants. The eastern portion of the building is currently occupied by two (2) tenants; Vantec Hitachi Transport System (USA) Inc. who distribute products such as

car parts, electronics and other dry uses as well as have office space, and Standard Tinsmith & Roofer Supply Corp who manufactures authentic decorative metal walls and ceilings. The western portion of the building is occupied by LaserShip, a last-mile delivery service. LaserShip uses their space as a package sorting and shipping facility.

1.2.2 SITE HISTORICAL SUMMARY

The Site was undeveloped land prior to the 1930s. The existing Site building was built in stages between 1945 and 1982. The original tenant, the Manhasset Machine Company, occupied the building from 1947 to 1957. No information was available regarding this tenant's operations or hazardous waste storage practices. Allen was a manufacturer of precision-machined metal cylinders and valves and occupied the building from 1957 through circa 2017.

A large pond associated with historic sand mining activities was located east of the Manhasset Machine Company building in the 1940s. The pond was dry by the 1950s and was filled in by the 1960s. The area was used for vehicle parking in the 1960s and 1970s, and the eastern portion of the existing Site building was constructed over the former pond area in the early 1980s.

1990s: Initial investigations undertaken by the NCDH and then Allen determined that soils beneath the parking lot south of the building were contaminated with petroleum constituents, chlorinated volatile organic compounds (VOCs), semi-VOCs (SVOCs), PCBs (Aroclor 1254), and metals. Soil vapor was also found to be impacted by chlorinated VOCs.

Since 2000, the Site has been listed as a Class 2 site[2] on the NYS Inactive Hazardous Waste Disposal Site Registry/Remedial Program, administered by NYSDEC.

November 2002: Allen entered into an Order on Consent, Index #W1-0932-02-08, Site #130100 with NYSDEC that became effective 10-days thereafter on 12 January 2003 (2003 Order), in which Allen agreed to further investigate and remediate the Site.

March 2006:, NYSDEC issued a Record of Decision (ROD) for the Site that established Remedial Goals and a Selected Remedy for the Sites. Allen subsequently became the responsible Remedial Party and performed certain required investigations, remedial actions, monitoring, reporting and management of the Site in accordance with a 2003 Order, ROD and the Site Management Plan (SMP).

According to the 2006 ROD, low levels of five VOCs were detected in groundwater at concentrations only marginally exceeding their respective standards, criteria, and guidance values (SCGs), and it was determined that groundwater would not require active remediation due to the low levels of VOCs and the removal of the on-Site source soil.

Remediation goals and the Selected Remedy set forth in the 2006 ROD are listed below.

ROD Remediation Goals: The remediation goals for this Site are to eliminate or reduce to the extent possible:

- Exposures of persons at or around the Site to VOCs in soil vapor on-site, VOCs in groundwater, PCBs in on-Site soil, and VOCs, PCBs and metals in off-Site soil;

[2] Classification Code: 2: This classification is assigned to a site at which the disposal of hazardous waste has been confirmed and the presence of such hazardous waste or its components or breakdown products represents a significant threat to public health or the environment.

- The release of contaminants from soil into groundwater that may create exceedances of groundwater quality standards; and
- The release of contaminants from subsurface soil into indoor air through soil vapor.

Further, the remediation goals for the Site include attaining to the extent practicable:

- Ambient groundwater quality; and
- Recommended soil cleanup objectives for soil.[3]

ROD Selected Remedy: The Selected Remedy intended to address the above remedial goals included:

- An IRM that involved excavation of contaminated soils from two areas of the Site and the adjacent LIRR right-of-way area located to the south of the Site and off-Site disposal of the soils (**Figure 3)**;
- Design, construction and operation of a SVE system plus engineering controls/institutional controls to remediate the residual VOCs in the unsaturated soil at the IRM excavation, and to minimize the potential impacts to indoor air, i.e., controlling and/or eliminating the soil vapor exposure pathway; and
- Excavation and off-Site disposal of impacted soils.

The soil IRM, and design and construction the SVE system was completed during 2004 - 2007. The SVE system began operation on-Site in January 2008. A Final Engineering Report (FER) was prepared by Allen and submitted to NYSDEC/NYSDOH in February 2009.

2009: NYSDEC/NYSDOH granted permission to cease groundwater monitoring but required the SVE system to continue to operate.

2015: Allen submitted the 2015 SMP to manage residual contamination in soil on the south side of building that requires both engineering controls (ECs) [4] and institutional controls (ICs) [5] that:

- Restrict the Site to commercial or industrial use;
- Require adherence to an Excavation Management Plan (EMP) for intrusive work in capped former remedial areas,
- Requires vapor intrusion investigations for any new construction in former remedial areas,
- Restricts the use of groundwater,
- Requires annual inspections/periodic certification of the institutional and engineering controls, reporting, and notifications.

Allen also requested NYSDEC/NYSDOH approval to shut down the SVE system based on monitoring data that indicated the SVE system had achieved asymptotic levels of the contaminants of concern at the Site, had achieved its remedial objectives, and that continued operation of the SVE system was no longer beneficial. NYSDEC/NYSDOH acknowledged the data and the shutdown request in November 2015 indicating a work plan for SVE shutdown could be submitted for review and approval.

February 2016: Allen submitted to NYSDEC/NYSDOH an SVE Shutdown Work Plan that was approved by NYSDEC/NYSDOH in May of 2016. Sampling to evaluate post-shut down soil vapor

[3] https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375.pdf
[4] An engineering control is a physical barrier or method to manage contamination. Examples include caps, covers, barriers, fences, and treatment of water supplies.
[5] An institutional control is a non-physical restriction on use of the Site, such as a deed restriction that would prevent or restrict certain uses of the property. An institutional control may be used when the cleanup action leaves some contamination that makes the Site suitable for some, but not all uses.

VOC concentration rebound as per the approved work plan was completed during May – September 2016. Based on initial sampling results, NYSDEC/NYSDOH extended the evaluation program and additional sampling was performed in January 2017, April 2017 and February 2018.

2017: Allen concluded operations at the Site and listed the Site for sale.

June 2018: The NYSDEC issued a letter indicating concern that the February 2018 monitoring data indicated some soil vapor VOC concentration rebound but granted permission to turn off the SVE system with the understanding that the building was currently unoccupied, and therefore there was no need to address potential vapor intrusion at that time. As such, the SVE system and subsequent monitoring could be discontinued with the understanding that future vapor evaluation would need to be conducted in accordance with NYSDOH soil vapor intrusion (SVI) guidance should the building be sold or reoccupied.

March 2019: Allen performed one additional SVE sampling event and submitted the results to NYSDEC/NYSDOH requesting that the SVE system be terminated (i.e., need for restart of the SVE be terminated) without further sampling. That request was not approved and the expectation for SVE system restart prior to building occupancy and the need for further evaluation remained in force.

2019: Alkier Steel, LLC and Steel Mineola Second Street, LLC (collectively "Alkier Steel") acquired the Site from Allair Holdings, Inc. (f/k/a Allenair Corporation), A.K. Allen Co., Inc., and 255 East Second St. Realty Corp (collectively "Allen"). Under the Purchase and Sale Agreement between the Allen and Alkier Steel, Allen retained the financial obligations to ensure that the remedial and administrative obligations set forth in the Order, ROD, and SMP are met. However, Alkier Steel agreed to implement Allen's obligations under the ROD to ensure all remedial activities occur efficiently, effectively, and cooperatively with NYSDEC, and in coordination with Alkier Steel's development plans.

As part of the real estate transaction, Alkier Steel conducted environmental screening activities at the Site and identified previously unknown historic contamination in certain areas of the Site that were primarily beneath the building.

Fall of 2019: Alkier Steel restored the SVE system to operation prior to occupancy of the building. The SVE system still must be proven to have reached asymptotic contamination concentrations in order for operation the SVE system to be discontinued. The SVE system evaluation and future continued operation or formal shut down will be the focus of this work plan per the 2023 Order which is listed below.

2020: Alkier Steel voluntarily entered into an Order on Consent, Index # CO 1-20200730-128, Site #130100 with NYSDEC that was fully executed on 15 September 2020 and became effective 10-days thereafter on 25 September 2020 (2020 Order), in which Alkier Steel agreed to implement site management required in the SMP including corrective measures as required by Section 7.6 of the SMP and the obligations under a forthcoming Environmental Easement (EE).

The 2020 Order established an administrative mechanism for NYSDEC/NYSDOH to oversee Alkier Steel's implementation the Site management activities, and corrective measures including continued operation of the SVE system, and to address previously unknown residual historic contamination identified at the Site during Alkier Steel's due diligence environmental screening activities. Alkier Steel's election to perform this work is not an admission of liability for the historic

contamination, nor did Alkier Steel, except to the extent set forth in the 2020 Order, assume any of Allen's obligations or liability under the 2003 Order.

August 2020: Alkier Steel submitted a Site Inspection Report/Periodic Review Report (SIR/PRR) and Corrective Measures Plan (CMP) intended to:

- Fulfill the annual site inspection reporting and certification for the existing ICs and the ECs under the SMP;
- Document protective measures and indoor sampling results undertaken within the building prior to occupancies by the current tenants that included:
  - Restoration of the SVE system to full operation in the fall of 2019;
  - Installation and operation of a SSDS beneath the eastern, only occupied portion of the building to vent soil vapor to the atmosphere at the rooftop away from HVAC equipment air intakes and building openings within that eastern tenant space in early 2020, collection of sub-slab vacuum measurements demonstrating a negative pressure condition of >-0.01 inches of water, collection of indoor air sampling results, and preparation of an SSDS operations, maintenance, and monitoring (OM&M) plan; and
  - Decommissioning (empty, clean, dismantle and dispose of) nine (9) above ground storage tanks (AST) within the building associated Allen's former manufacturing operations in early 2020. The ASTs were registered with the Nassau County Department of Health (NCDH) who inspected the tank decommissioning/cleaning/closure activities.
- Convey the scope and findings of the environmental screening activities undertaken by Alkier Steel pursuant to the real estate transaction that identified previously unknown residual historic contamination in Site media (soils, soil vapor, and indoor air) at concentrations exceeding NY State standards, criteria and guidance (SCGs) at certain areas of concern (AOCs); and
- Present a proposed CMP to address the AOCs containing previously unknown residual historic contamination consistent with the remedial goals of the selected remedy in the ROD intended to be protective of human health and the environment.

Fall of 2020: Alkier Steel completed corrective measures prior to building space occupancies by the current tenants that addressed residual historic contamination which included:

- Multi-phase concrete floor slab removal/soil excavation, sampling, backfill, and concrete floor slab restoration at multiple areas of concern within and beneath the building;
- Parking lot stormwater drywell cleanouts (except DW-05 to be addressed separately under another work plan per the 2023 Order which is discussed below; and
- Completed installation of the building-wide SSDS that generates a vacuum field beneath the entire 120,000 ft^2 building footprint and vents sub-slab soil vapor to the atmosphere at the rooftop away from HVAC equipment air intakes and building openings.

May 2021: NYSDEC granted by full execution the EE for the Site that was recorded with the Nassau County Clerk. The EE requires compliance with the most current SMP and all ECs and ICs placed on the Site. The EE will be maintained as part of the conveyance of the property to the present tenant in-common fee owners.

Components of the EE include:

- The Site ("Controlled Property") may be used for Commercial purposes as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial purposes as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;

- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or NCHD to render it safe for use as drinking water or for industrial purposes, and the user must notify and obtain written approval to do so from NYSDEC/NYSDOH;
- Groundwater and other environmental monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in the manner defined in the SMP;
- All future activities on the property that will disturb remaining contaminated materials must be conducted in a manner defined in the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, inspection, and reporting of any mechanical and physical components of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified in the EE; and
- The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6 NYCRR Part 375-1.8(g)(2)(i) and (ii), and the above-stated ECs may not be discontinued without amendment or extinguishment of the EE.

August 2021: Alkier Steel submitted a PRR intended to:

- Fulfill the annual site inspection reporting and certification for the existing ICs and the ECs under the SMP; and
- Document protective measures undertaken within the building prior to occupancies by the current tenants that included:
  - Continued operation of the SVE system; and
  - Completion of installation of the aforementioned building-wide SSDS in late 2020, collection of sub-slab vacuum measurements demonstrating a negative pressure condition of >0.01 inches of water, and present an updated SSDS OM&M plan.

August 2022: Alkier Steel submitted a PRR intended to:

- Fulfill the annual site inspection reporting and certification for the existing ICs and the ECs under the SMP, and
- Document continued operation of the SVE system and the building wide SSDS including collection of sub-slab vacuum measurements demonstrating a negative pressure condition of >-0.01 inches of water.
- A January 2021 report prepared by NAC Consultants, Inc. was that documents the SSDS installation and SVE system restoration that was submitted to NYSDEC with the 2021 PRR is presented in **Appendix A**. The report concludes that the SVE system should be decommissioned, because the system achieved asymptotic VOC removal after five years in operation, and the residual soil vapor migration into the building is controlled more efficiently by the SSDS installed in each tenant occupied space throughout the entire building footprint. Provisions for annual monitoring of the SSDS to verify the SSDS continues to function as designed have been incorporated into the revised Site Management Plan currently under review by NYSDEC and NYSDOH.

March 2023: Alkier Steel entered into the 2023 Order, Index No. CO 1-20220106-6, Site #130100 that became effective on 8 April 2023 (2023 Order). The 2023 Order specifies that it supersedes

and replaces the prior 2020 Order with respect to Alkier Steel's obligations thereunder while the original 2003 Order remains in full force and effect. The SVE CMWP was one of several deliverables required by the 2023 Order.

May 2023: The SVE system suffered a shutdown in late 2022 due to an apparent blower main bearing failure but a new blower was installed and after addressing some electrical issues the SVE system was restored to operation on 1 June 2023. The system continued to operate until 8 September 2023 when the first shutdown phase of the evaluation of the pulsed-operation evaluation described herein was initiated.

September 2023: Alkier Steel submitted a PRR intended to:

- Fulfill the annual site inspection reporting and certification for the existing ICs and the ECs under the SMP, and
- Document continued operation of the SVE system and the building wide SSDS including collection of sub-slab vacuum measurements demonstrating a negative pressure condition of >-0.01 inches of water.

Annual pressure field testing conducted in 2021, 2022, and 2023 confirm continued operation of the building-wide SSDS including collection of sub-slab vacuum measurements demonstrating a negative pressure condition of >-0.01 inches of water. Associated data tables of annual sub-slab pressure field monitoring conducted in 2021, 2022, and 2023 and plots for 2020 and 2023 are also presented in **Appendix A.**

2. SPECIFIC SVE SYSTEM DETAILS

2.1 SVE SYSTEM CONSTRUCTION

The SVE system consists of the following components (**see Figures 4 through 8**):

- Two paired SVE wells designated SVE #1 (containing wells SVE-A and SVE- B) and SVE #2 (containing wells SVE-C and SVE –D). Wells SVE-A and SVE-C are each screened from approximately 5 to 20-feet below grade surface (bgs); and wells SVE-B and SVE-D are each screened from approximately 25 to-40 feet bgs;
- Subsurface four-inch-diameter PVC conveyance piping to transport recovered vapors from the SVE wells to the equipment shed;
- An equipment shed housing a moisture knockout drum; a seven horsepower Fuji Model No. VFC704A-7W regenerative SVE blower; two granular activated carbon (GAC) adsorption vessels piped in series to treat any VOC-laden vapors prior to discharge of treated effluent; appurtenances and controls necessary to operate the remediation system; and
- A four-inch diameter discharge stack for exhaust of treated vapors.

As part of evaluating the SVE system's radius of influence (ROI), several 4.5- to 9.5-foot-deep soil vapor (SV) monitoring points were installed. Relevant to this Work Plan are SG-3, SG-4(R), both of which are SV monitoring points located at the exterior southern wall of the on-Site structure. SG-5R is installed along the south Property boundary adjacent to the LIRR.

2.2 SOIL VAPOR EXTRACTION SYSTEM OPERATIONAL HISTORY

The SVE system was designed, installed and operated to fulfill the ROD remediation goals for this Site to eliminate or reduce to the extent possible exposures of persons at or around the Site to VOCs in soil vapor on-site, and attain to the extent practicable soil cleanup objectives for soil. The constituents of concern (COCs) with respect to potential on-site impacts were tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA).

In particular, the SVE system was intended to mitigate residual VOC-impacted soil and control associated VOC-laden soil vapor below the existing parking lot in the area of the western excavation to ensure that the vapor migration pathway to the Allen building was protective of human health and the environment.

As stated in the SMP, two expansive excavations were completed on-Site, removal of sediments from on-Site drywells was performed, and an off-Site excavation was completed to remove impacted soils and sediments in furtherance of the remedial goals set forth in the ROD. Residual impacts that could not feasibly be removed were addressed through the installation and operation of the SVE system.

In the alternatives selection portion of the ROD, the NYSDEC/NYSDOH provided that a SVE system would be designed, constructed and operated to remediate the residual VOCs in the unsaturated soil column from the depth of the bottom of the IRM excavation to the water table and to control the contaminated soil vapor associated with such residual impacts in the remedial excavations. The installation and operation of the SVE system serves the final objective of the ROD by precluding soil vapor intrusion emanating from the former remedial excavation areas where the residual contamination resides to the indoor air inside of the buildings at the Site.

The SVE system was intended to be operated until the reduction of residual impacts in the former remedial excavations reached a point of diminishing returns as evidenced by achieving asymptotic concentrations of the contaminants of concern.

In the summary of the proposed remedy in the ROD, the NYSDEC/NYSDOH stated the following: *"Alternative 3 (i.e., Design, Installation, and Operation on an on-site Soil Vapor Extraction [SVE] System plus EC/ICs) was selected for on-site because, as described below, it satisfies the threshold criteria and provides the best balance of the primary balancing criteria described in Section 7.2. It will achieve the remediation goals for the site by reducing the volume and mobility of the residual VOC contamination in the unsaturated soil. This will reduce or eliminate the threat to public health from the VOCs by permanently removing the VOCs which could potentially cause soil vapor and/or indoor air and groundwater contamination….."*. Accordingly, so long as there is no significant rebound of VOC impacts associated with the former remedial excavation at SG-3 and SG-4(R) when the SVE system is shutdown, then the operation of the SVE system would no longer be required and the SVE system may be permanently shut down and removed from the Site.

2007: The SVE system was installed and a pilot test was completed to determine a radius of influence which extended to the building foundation and beyond the areas of impacted soil. The pilot test confirmed that the capture radius was greater than 65 feet. The results of the pilot test determined a vacuum blower able to move approximately 58 cubic feet per minute (CFM) of air at each of the 4 SVE wells (232 CFM total flow rate) at 20 inches WC was required. A system was designed and installed in which the SVE wells were connected to a buried 4-inch diameter PVC header line that extended to an equipment shed. This shed housed the SVE system equipment which included a moisture knock-out drum, a 7-horsepower blower and a series of two vapor-phase, 400-pound carbon units. There was also an alarm unit which turned the system off if there was an equipment failure.

January 2008: The SVE system commenced operation.

June 2013: Several of the contaminants of concern at the Site were detected in the influent sample at relatively low concentrations. PCE concentrations (the compound detected at the highest concentration in the soil vapor samples) decreased from 34,604 micrograms per cubic meter (µg/m^3) to 190 µg/m^3. Similarly, TCE decreased from 166 µg/m^3 to 31 µg/m^3, and 1,1,1-TCA decreased from 4,476 µg/m^3 to 72 µg/m^3. Overall, the total VOCs decreased from 39,436 µg/m^3 to 315 µg/m^3.

Based on the results of the June 2013 sampling event, it was determined the SVE system had reached its goal and met asymptotic conditions. The data comparison of compound concentrations from 2008 to 2013 confirmed the downward concentration trend for all contaminants of concern. It was calculated that greater than 99% total VOCs were removed. An estimated 961 pounds of VOCs were removed by the system from December 2010 to June 2013.

2015: Allen requested NYSDEC/NYSDOH approval to shut down the SVE system based on monitoring data that indicated the SVE system:

- Achieved asymptotic levels of the contaminants of concern at the Site;
- Proven efficient in removing VOCs from the unsaturated soils at the Site and has removed an estimated 1,189 pounds of materials from the underlying unsaturated soils;

- Achieved its remedial objectives/maximum potential to remove the contaminants of concern; and,
- That continued operation of the SVE system was no longer beneficial.

November 2015: NYSDEC/NYSDOH acknowledged the data and shut-down request indicating a work plan for SVE shutdown could be submitted for review and approval.

February 2016: Allen submitted to NYSDEC/NYSDOH a SVE Shutdown Work Plan.

May 2016: NYSDEC/NYSDOH approved the SVE Shutdown Work Plan. Sampling to evaluate post-shut down soil vapor VOC concentration rebound as per the approved work plan was completed during May – September 2016. Based on initial sampling results, NYSDEC/NYSDOH extended the evaluation program and additional sampling was performed in January 2017, April 2017 and February 2018.

2017: Allen concluded operations at the Site and listed the Site for sale.

June 2018: The NYSDEC issued a letter indicating concern that the February 2018 monitoring data indicated some soil vapor VOC concentration rebound (1,1,1-TCA) but granted permission to turn off the SVE system with the understanding that the building was currently unoccupied, and therefore there was no need to address potential vapor intrusion at that time. As such, the SVE system and subsequent monitoring could be discontinued with the understanding that future vapor evaluation would need to be conducted in accordance with NYSDOH SVI guidance should the building be sold or reoccupied.

March 2019: Allen performed one additional SVE sampling event and submitted the results to NYSDEC/NYSDOH in an April 2019 letter report with a request that the SVE system be terminated (i.e., need for restart of the SVE be terminated) without further sampling. **Table 1** is excerpted from the April 2019 letter report and presents a summary of shutdown study soil vapor sampling results for seven chlorinated VOCs in the samples collected from soil vapor monitoring points SG-3 and SG-4R[6]. Plots of those data excerpted from the April 2019 letter report are presented in **Figures 9 and 10.** That request was not approved and the expectation for SVE system restart prior to building occupancy and the need for further evaluation remained in force.

Fall of 2019: Alkier Steel restored the SVE system to full operation prior to installation of the SSDS and occupancy of the building. Vacuum and air flow measurements were obtained at the system on July 18, 2020. The blower vacuum was -30.0 inches WC and the air flow rate was 236 CFM. Based on the blower size, the SVE was operating at greater than the design vacuum and flow rate. The mass removal of VOCs was calculated. The SVE was estimated to remove only 0.79 pounds per year of 1,1,1-TCA, based on the soil gas concentration at the SVE well SG-3 (approximately 400 ug/m^3) where 1,1,1-TCA rebound was observed in 2019.

May 2023: The SVE system suffered a shutdown in late 2022 due to an apparent blower main bearing failure but a new blower was installed and after addressing some electrical issues the SVE system was restored to operation on 1 June 2023. The system continued to operate until 8 September 2023 when the first shutdown phase of the evaluation of the pulsed-operation evaluation described herein was initiated.

[6] Note that the Vapor Intrusion Screening Levels (VISLs) for commercial / industrial properties and the Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations Criteria (TSSGC) have been updated where the most current versions of the RSL Generic Tables can be accessed at: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.

3. SVE SYSTEM RESTORATION, MONITORING AND SHUTDOWN PROTCOLS

This section describes the steps undertaken to:

- Replace to soil vapor monitoring points;
- Collect soil vapor baseline samples prior to system restart;
- Restore the SVE system to operation;
- Confirm proper operation; and
- Implement the SVE system pulsed operation and soil vapor rebound evaluation.

3.1 SVE SYSTEM RESTORATION AND BASELINE SAMPLING

The SVE CMWP fieldwork was initiated during May 2023 to restore the SVE system to operation. The shutdown evaluation was then anticipated to proceed following NYSDEC/NYSDEC approval of the SVE CMWP.

SVE System restoration and baseline sampling included the following activities:

- The SVE system blower was replaced with a new, similar in-kind model based on the engineering report specifications.
- Former vacuum/soil vapor monitoring points SG-4R and SG-5 that could not be located in the field were replaced using a Geoprobe. Both points were installed to approximately five feet bgs consisting of a 6-inch stainless steel bayonet screen with 3/16" tubing finished with glass beds and a bentonite seal and well roadway box.
- Baseline static vacuum measurements and soil vapor samples were collected from each SVE well head, and vacuum/soil vapor monitoring points SG-3, SG-4R and SG-5R using six-liter Summa cannisters prior to SVE system restart. Prior to sampling, a helium tracer test was performed, the soil vapor monitoring points were purged using a photo-ionization detector (PID). A laboratory-supplied six-liter Summa canister was connected to each point subsequent to the purging and the sample was collected over a two-hour period at a flow rate less than the maximum flow rate of 0.2 liters per minute as established in the NYSDOH 2006 SVI Guidance Document.
- The baseline and all subsequent samples were submitted to York Analytical Laboratories, NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for analysis for full-list United States Environmental Protection Agency (USEPA) Method TO-15 VOCs. The analytical data packages were reported in accordance with NYSDOH Level B Analytical Services Protocols (ASP). All data packages were reviewed and validated by a qualified and experienced environmental chemist.
- The existing blower was removed and the new blower was installed, and then following resolution of some electrical supply issues, the SVE system was re-started on 1 June 2023.
- Once the system was operating, the following were collected:
    - Air velocity/flow in CFM, and pressure and vacuum measurements from the existing vacuum and pressure gauges, and sampling ports on the SVE system equipment shown in **Figure 8**, and at each SVE well head on 10-minute increments for a two-hour period, or until air velocity/flow and vacuum measurements stabilize, whichever comes first; and
    - Vacuum measurements in inches of water utilizing a digital manometer/magnahelic gauge at vacuum/soil vapor monitoring points SG-3, SG-4R and SG-5R on 10-minute increments for a two-hour period, or until air velocity/flow and vacuum measurements stabilize, whichever occurred first.

- Vapor stream samples from the sampling ports upstream, between and downstream of the two vapor-phase GAC adsorption vessels using the aforementioned sample collection, analytical, reporting, and validation review protocols. The SVE system operated for 99 days until the first shutdown event on 8 September 2023 marking commencement of the pulsed operation and soil rebound evaluation phase outlined in subsequent sections below.

3.2 SVE SYSTEM PULSED OPERATION AND SOIL VAPOR REBOUND EVALUATION

The NYSDEC/NYSDOH's primary intended purpose of the SVE system was to remediate VOC-impacted soils just off of the Site in the LIRR right-of-way and to ensure that the SVE system ROI was sufficient to protect persons working in the on-Site building from exposure to VOC impacts emanating from the residual contamination in the former remedial excavations via the SVI exposure pathway.

The SVE operated for 99 days (exceeding the minimum anticipated of 30 days), and then shut down to initiate the repeated monthly pulse-mode phase for four months, i.e., one month of no operation followed by one month of operation for two off-on cycles, followed by a longer-term 60-day rebound evaluation.

3.2.1 OPERATIONAL MEASUREMENTS AND SAMPLING PRIOR TO EACH SHUTDOWN

Air velocity/flow and vacuum measurements occurred immediately before and after each shutdown and startup event, and soil vapor samples were collected at the end of each shutdown period before system restart. The sampling data were used to evaluate VOC concentrations in soil vapor to determine if concentration rebound was observed.

Operational Measurements and Sampling	
Prior To Each Shutdown	Air velocity/flow, and vacuum measurements were collected at all points up- and downstream of blower, at each SVE well head, and vacuum measurements at monitoring points SG-3, SG-4R and SG-5R. Collected individual soil vapor samples downstream of blower (from the sampling ports upstream, between and downstream of the two vapor-phase GAC adsorption vessels), and at each SVE well head.
Following Each Shutdown	The SVE system was shut down and vacuum readings were recorded from SG-3, SG-4R and SG-5R on 10-minute increments for a two-hour period, or until air velocity/flow and vacuum measurements stabilize, i.e., no observable vacuum readings are observed, whichever comes first.
Immediately Prior To System Restart	Collected static vacuum measurements and soil vapor samples from each SVE well head, and monitoring points SG-3, SG-4R and SG-5R.
Immediately Following System Start Up	Collected air velocity/flow, and vacuum measurements downstream of blower, at each SVE well head, and vacuum measurements from monitoring points SG-3, SG-4R and SG-5R on 10-minute increments for a two-hour period, or until air velocity/flow and vacuum measurements stabilize, whichever comes first.

3.2.2 LONG-TERM SOIL VAPOR REBOUND EVALUATION

After two pulsed operation off-on cycles, a final longer-term rebound evaluation was performed. At 30 and 60 days following final pulsed operation shutdown, static vacuum measurements and soil vapor samples were collected from each SVE well head, and monitoring points SG-3, SG-4R and SG-5R using the aforementioned sample collection, analytical, reporting, and validation review protocols.

4. RESULTS

The following section presents the results of the restart, pulsed operation, and soil vapor rebound evaluation of the SVE system. The supporting information is presented and discussed as follows:

- **Appendix A: Annual building sub-slab pressure field testing plots for 2021, 2022 & 2023.** In addition to the January 2021 NAC Consultants, Inc report that documents the SSDS installation and SVE system restoration, Appendix A also presents data tables of annual sub-slab pressure field monitoring conducted in 2021, 2022, and 2023 and plots for 2020 and 2023. The vacuum data and associated plots confirm that operation of the building-wide SSDS that demonstrates a vacuum field of >-0.01 inches of water beneath the entire 120,000 ft^2 building footprint venting the sub-slab soil vapor to the rooftop away from HVAC equipment air intakes. Thus, any potential residual soil vapor migration into the building is controlled more efficiently by the SSDS installed in each tenant occupied space throughout the entire building footprint than operation of the SVE system.
- **Appendix B**: **Photolog**. The photolog presents pictures of the:
  - SVE wells being sampled (SVE-A through SVE-D);
  - Vapor monitoring points being sampled (SG-3, SG-4R and SG-5R);
  - SVE system influent piping and flow measurement port after combined flow from the four SVE wells;
  - Components in the shed including the moisture knock-out drum, the blower, carbon drums, piping, gauges, and sampling/vapor stream velocity measurement points; and
  - Samples being collected downstream of the blower (SVE-INF), between the carbon drums (SVE-CARBON), and after the carbon drums (SVE-EFF).
- **Appendix C: Soil vapor field sampling logs.** The soil vapor field sampling logs present information concerning the sample collection using 6-liter Summa canisters including the date of sample collection, sampler name, ambient temperature and barometric pressure, Summa canister and flow controller serial numbers, starting and end times and canister vacuums.

A total of 45 soil vapor samples were collected at milestone events during the study consistent with the schedule presented in the NYSDEC/NYSDOH SVE CMWP as follows:

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-

- **Appendix C: Soil vapor data deliverable validation / Data Usability Report (DUSR).** All data packages were reviewed and validated by a qualified and experienced environmental chemist, and were determined to be valid and usable with the minor qualifications noted in the DUSR that have no effect on findings, conclusions or recommendations of this report.
- **Appendix D: All soil vapor sample laboratory analytical data deliverables.** These NYSDOH Level B ASP data packages are provided in a separate compressed "zip" file.
- **Table 2 - Soil Vapor Extraction System - Operational Measurements.** Table 2 presents the vacuum and air flow rate information for the:
  - Four SVE wells (SVE-A through D);
  - Three vapor monitoring points (SG-3, SG-4R and SG-5R); and
  - Four monitoring points on the SVE system in the shed (upstream of the moisture knock-out drum SVE-INF, downstream of the blower, between the two carbon drums and downstream of the carbon drums (SVE-EFF).

  Observed vacuum measurements at the three vapor monitoring points confirm that the SVE system pressure depression was reaching those locations and beyond. Operational measurement values were overall generally consistent between measurement/sampling events. Observed variability in vacuum measurements and flow rates is likely caused by propagation of vacuum depression in the subsurface, and turbulent flow in the vapor stream due to piping/flow measurement port configurations, respectively.
- **Table 3 - Soil Vapor Analytical Results By Event.** The validated full TO-15 list VOC analytical results (66 VOCs) are presented in Table 3 and grouped by milestone sampling events identified in the inset table above. Detected compound concentrations are highlighted in blue. Forty-two (42) of the 66 reported Method TO-15 list of VOCs were detected in one (1) or more of the 45 soil vapor samples. It is typical to detect numerous VOCs in soil vapor samples collected from urban/commercial/industrial environments.
- **Table 4 - Statistical Summary of Soil Vapor Analytical Results.** Table 4 presents statistical summaries (average, maximum, minimum concentrations) for the 42 detected VOCs grouped by sampling location, and also shows detected concentrations in the final sample (60-day) collected at each location.
- **Tables 3 & 4 Results -USEPA Vapor Intrusion Screening Levels (VISLs).** The NYSDOH 2006 SVI Guidance Document does not provide soil vapor guidance thresholds for the chlorinated VOCs as measured in sampling points located outside of a building envelope. Therefore, the soil vapor data are compared to the current USEPA VISLs for commercial / industrial properties as presented in the Regional Screening Levels (RSLs) - Generic Tables with target cancer risk (TR) of 1E-06 with a target hazard quotient (THQ) of 1.0, last updated 28 November 2023. The most current versions of the RSL Generic Tables can be accessed at: **https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.**

  Detected compound concentration values exceeding their respective VISL are identified by light orange shading in Tables 3 and 4. each table. Salient data observations are:
  - The highest observed VOC concentrations were for acetone, 2-butanone (methyl ethyl ketone) and 2-hexanone but their respective VISLs were not exceeded in any sample collected during the study.
  - While VISL exceedances are noted in the data set, the exceedances were sporadic for most compounds throughout the study except for acrylonitrile, benzene, PCE, and TCE which tended to be more prevalent in the early stages of the study but diminished with time to almost no VISL exceedances in 30-day and 60-day soil vapor samples, where only minor exceedances for acrylonitrile and chloroform were noted.

- The declining frequency of VISL exceedances and other declining concentration trends noted in the 30-day and 60-day samples, e.g., PCE and TCE do not indicate any significant rebound is occurring.
- The observed low VOC concentrations in the individual samples indicate at that even in aggregate, the SVE system is removing very little contaminant mass and is once again in an asymptotic condition no longer providing beneficial residual chlorinated VOC mass removal.

Note that USEPA's website clearly states that the RSLs are not cleanup standards and should not be used as cleanup levels. They are risk-based values used to identify contaminated media (i.e., air, tap water, and soil) at a site that may need further investigation or actions are needed to protect public health, such as, sampling, assessing risks, and taking further action. The RSLs are developed using risk assessment guidance from the EPA Superfund program and can be used for Superfund sites. They are risk-based concentrations derived from standardized equations combining exposure information assumptions with EPA toxicity data presented in generic tables. The RSL table provides comparison values for residential and commercial/industrial exposures to soil, air, and tap water (drinking water). The unified use of the RSLs, to screen chemicals at Superfund sites, promotes national consistency. RSLs are considered by EPA to be protective for humans (including sensitive groups) over a lifetime; however, RSLs are not always applicable to a particular site and do not address non-human health endpoints, such as ecological impacts. The SLs contained in the SL table are generic; they are calculated without site-specific information. They may be re-calculated using site-specific data.

In general, if a contaminant concentration is below the screening level, no further action or investigation is needed. If the concentration is above the screening level, further investigation is generally needed to determine if some action is required.

- **Figures 11 – 18: Plots of the soil vapor sample analytical results**. Figures 11-18 present plots of soil vapor sampling results for sample locations: SVE-Well A, SVE-Well B, SVE-Well C, SVE-Well D, Well SG-3, Well SG-4R, Well SG-5R, and the SVE-Influent Stream, respectively.

  Each plot shows the detected concentrations of 11 VOCS in each study milestone sampling event that include:

  - 2-Butanone
  - 1,1,1-Trichloroethane
  - 1,1-Dichloroethylene
  - Carbon tetrachloride
  - Methylene chloride
  - trans-1,2-Dichloroethylene
  - Acetone
  - 1,1-Dichloroethane
  - cis-1,2-Dichloroethylene
  - PCE
  - TCE

  Each figure also shows for reference the table depicting the milestone sampling events, SVE system "on" and "off" periods are also indicated in the colorized bar above each plot, and a legend defining the line colors for the 11 VOCs.

  The data plots show a consistent pattern at all well locations and the influent vapor stream to the SVE system of soil vapor concentrations increasing from baseline during the 99-day steady state operation to then steadily decline during the two on-off pulse cycles, which then continued with little or no signs of any concentration rebound in the 30-day and 60-day samples.

5. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

5.1 SUMMARY & CONCLUSIONS

The SVE CMWP fieldwork was initiated during May 2023 to restore the SVE system to operation. The SVE system blower was replaced with a new, similar in-kind model based on the engineering report specifications. Former vacuum/soil vapor monitoring points SG-4R and SG-5 that could not be located in the field were replaced. Baseline static vacuum measurements and soil vapor samples were then collected from each SVE well head, and vacuum/soil vapor monitoring points SG-3, SG-4R and SG-5R using six-liter Summa cannisters prior to SVE system restart. Following resolution of some electrical supply issues, the SVE system was re-started on 1 June 2023.

Once the system was operating, air velocity/flow in CFM and pressure and vacuum measurements were collected from the SVE system equipment, and at each SVE well head. Vacuum measurements were also collected at vacuum/soil vapor monitoring points SG-3, SG-4R and SG-5R.

Observed vacuum measurements at the three vapor monitoring points confirm that the SVE system pressure depression was reaching those locations and beyond. Operational measurement values were overall generally consistent between measurement/sampling events. Observed variability in vacuum measurements and flow rates is likely caused by propagation of vacuum depression in the subsurface, and turbulent flow in the vapor stream due to piping/flow measurement port configurations, respectively.

The SVE operated for 99 days (exceeding the minimum anticipated of 30 days), and then shut down on 8 September 2023 marking commencement of the four-month pulsed-mode operation (i.e., one month of no operation followed by one month of operation for two off-on cycles), and then the soil rebound evaluation phase where samples were collected at 30 days and 60 days following pulse-mode shutdown.

A total of 45 soil vapor samples were collected at milestone events during the study consistent with the schedule presented in the NYSDEC/NYSDOH SVE CMWP. The baseline and all subsequent samples were submitted to York Analytical Laboratories, a NYSDOH ELAP-certified laboratory for full-list USEPA Method TO-15 VOCs and reported in accordance with NYSDOH Level B ASP. All data packages were reviewed and validated by a qualified and experienced environmental chemist, and were determined to be valid and usable with the minor qualifications noted in the DUSR that have no effect on findings, conclusions or recommendations of this report.

Forty-two (42) of the 66 reported Method TO-15 list of VOCs were detected in one (1) or more of the 45 soil vapor samples. It is typical to detect numerous VOCs in soil vapor samples collected from urban/commercial/industrial environments.

The soil vapor data are compared to the current USEPA VISLs for commercial / industrial properties as presented in the RSLs - Generic Tables with TR = 1E-06 with a THQ = 1.0, last updated 28 November 2023. Note that USEPA's website clearly states that the RSLs are not cleanup standards and should not be used as cleanup levels. They are risk-based values used to identify contaminated media (i.e., air, tap water, and soil) at a site that may need further investigation or actions are needed to protect public health, such as, sampling, assessing risks, and taking further action.

Salient data observations of the soil vapor data set are:

- The highest observed VOC concentrations were for acetone, 2-butanone (methyl ethyl ketone) and 2-hexanone but their respective VISLs were not exceeded in any sample collected during the study.
- While VISL exceedances are noted in the data set, the exceedances were sporadic for most compounds throughout the study except for acrylonitrile, benzene, PCE, TCE which tended to be more prevalent in the early stages of the study but diminished with time to almost no VISL exceedances in 30-day and 60-day soil vapor samples, where only minor exceedances for acrylonitrile and chloroform were noted.
- The declining frequency of VISL exceedances and other declining concentration trends noted in the 30-day and 60-day samples, e.g., PCE and TCE do not indicate any significant rebound is occurring.
- The observed low VOC concentrations in the individual samples indicate at that even in aggregate, the SVE system is removing very little contaminant mass and is once again in an asymptotic condition no longer providing beneficial residual chlorinated VOC mass removal.

Plots of the soil vapor data collected during the study show a consistent pattern at all well locations and the influent vapor stream to the SVE system of soil vapor concentrations increasing from baseline during the 99-day steady state operation to then decline during the two on-off pulse cycles steadily, which then continued with little or no signs of any concentration rebound in the 30-day and 60-day samples.

The vacuum data and associated plots confirm that operation of the building-wide SSDS that demonstrates a vacuum field of >-0.01 inches of water beneath the entire building footprint venting the sub-slab soil vapor to the rooftop away from HVAC equipment air intakes. Thus, any potential residual soil vapor migration into the building is controlled more efficiently by the SSDS installed in each tenant occupied space throughout the entire building footprint than operation of the SVE system.

The NYSDEC/NYSDOH's primary intended purpose of the SVE system was to remediate VOC-impacted soils just off of the Site in the LIRR right-of-way and to ensure that the SVE system ROI was sufficient to protect persons working in the on-Site building from exposure to VOC impacts emanating from the residual contamination in the former remedial excavations via the SVI exposure pathway.

The SVE system is no longer capable of removing meaningful VOC mass from the subsurface because the system achieved asymptotic VOC removal after five years operation, and operation of the system to protect persons working within the building is redundant and unwarranted because the building-wide SSDS installed in 2019-2020 mitigates the potential for SVI into the building more efficiently and effectively than the SVE system.

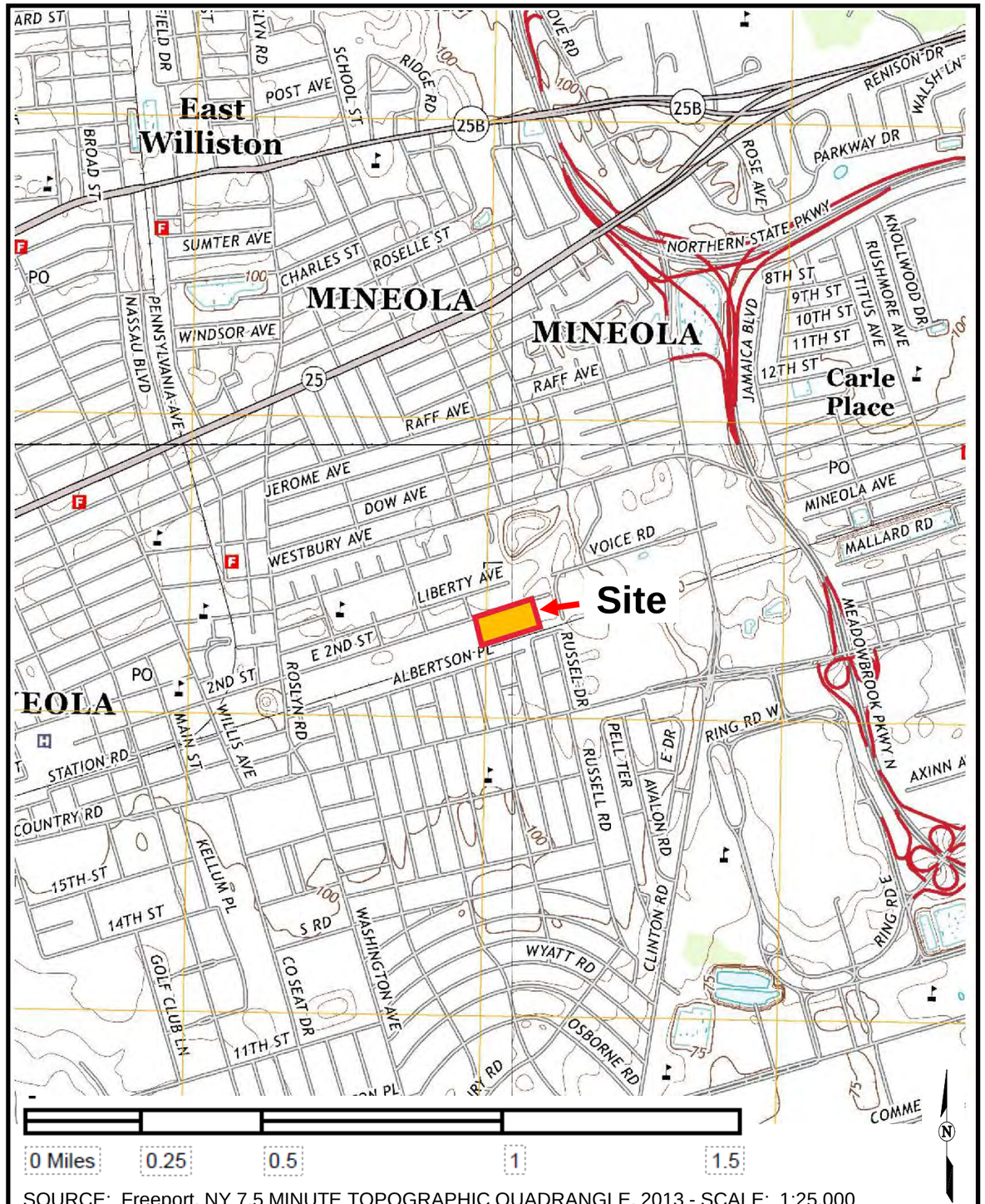
5.2 RECOMMENDATIONS

This report recommends and herein requests that NYSDEC/NYSDOH confirm concurrence and approve that further operation of the SVE system is not required. The following closure/abandonment activities are recommended and will be implemented upon receipt of NYSDEC/NYSDOH approval for no further operation of the SVE system:

- The electrical service to the SVE system will be deactivated;
- The used GAC drums will be disposed of offsite in accordance with prevailing regulations;
- All SVE wells, monitoring wells and soil vapor monitoring points will be abandoned in-place in accordance with NYSDEC protocols;

- All sub-grade piping conveyance systems / vaults will either be removed or cut off below grade and plugged in-place;
- All SVE system components will be removed for reuse or scrap; and,
- The SMP will be revised to reflect that EC/ICs associated with the SVE system are no longer required and are replaced by operation of the SSDS.

LIST OF FIGURES



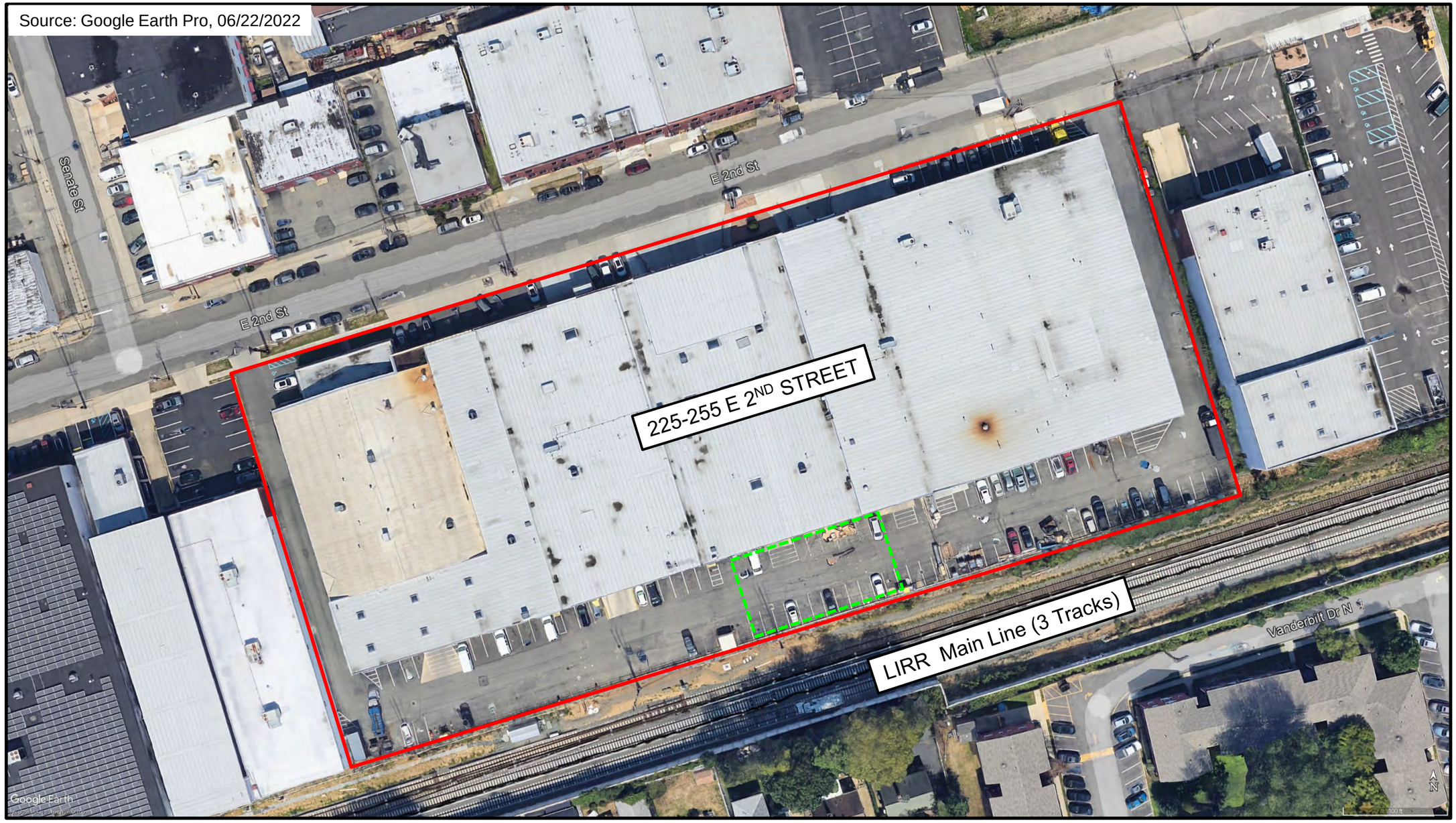
SOURCE: Freeport, NY 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, 2013 - SCALE: 1:25,000

ERM

SITE LOCATION MAP
225-255 E 2nd Street
Mineola, New York

Figure
1

Source: Google Earth Pro, 06/22/2022



N

Approximate Property Boundary

Approximate Area of IRM Excavation and SVE System

Approximate Distance In Feet

0 50 100 200

ERM

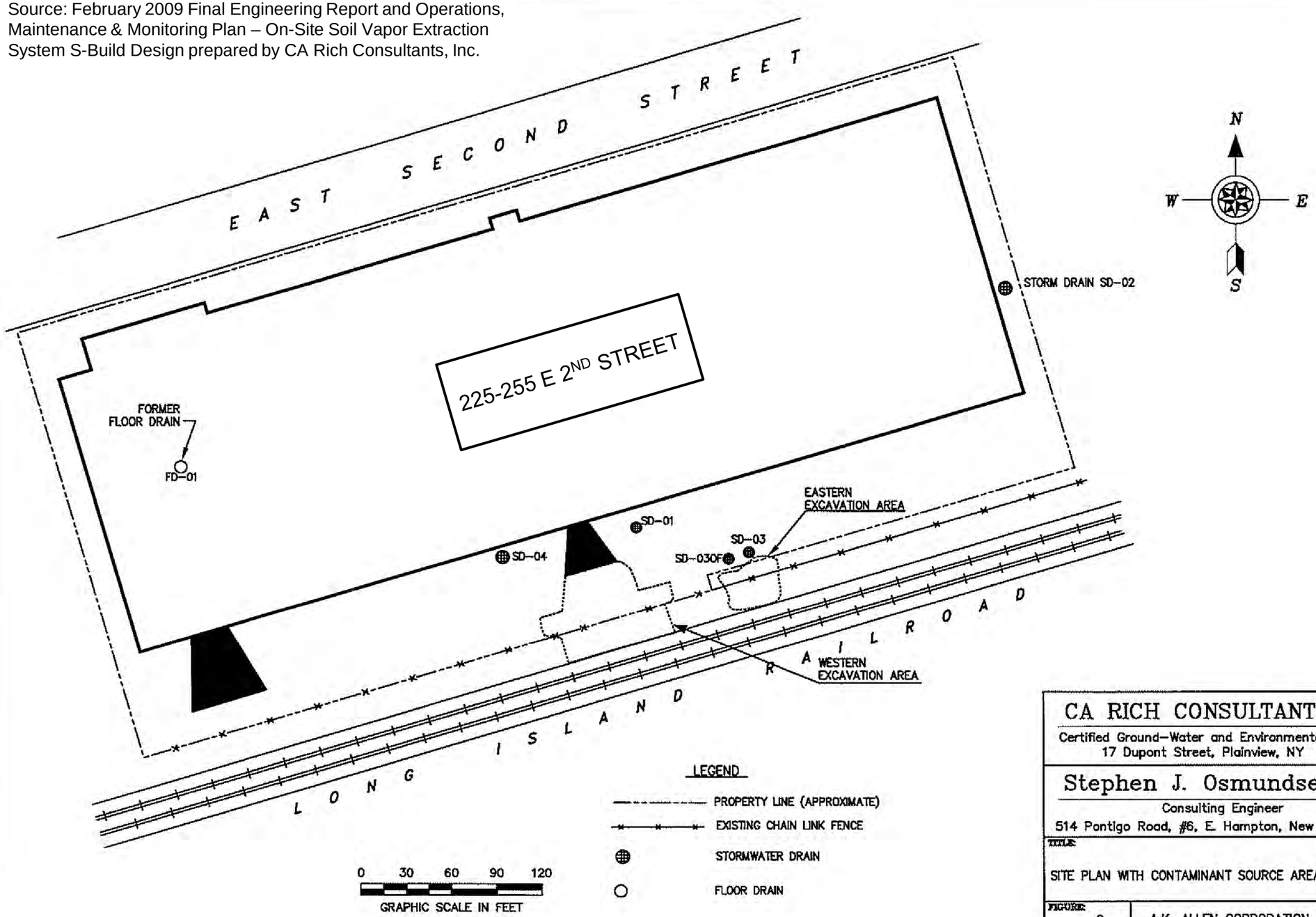
SITE LAYOUT MAP SHOWING AREA OF IRM EXCAVATION AND SVE SYSTEM

225-255 E 2nd Street, Mineola, New York

Figure

2

Source: February 2009 Final Engineering Report and Operations, Maintenance & Monitoring Plan – On-Site Soil Vapor Extraction System S-Build Design prepared by CA Rich Consultants, Inc.



CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

Stephen J. Osmundsen, P.E.
Consulting Engineer
514 Pontigo Road, #6, E. Hampton, New York 11937

TITLE: SITE PLAN WITH CONTAMINANT SOURCE AREA	DATE: 12-23-08
	SCALE: As Shown
FIGURE: 2	DRAWN BY: S.T.M.
DRAWING NO: 2008-1	APPR. BY: E.A.W.

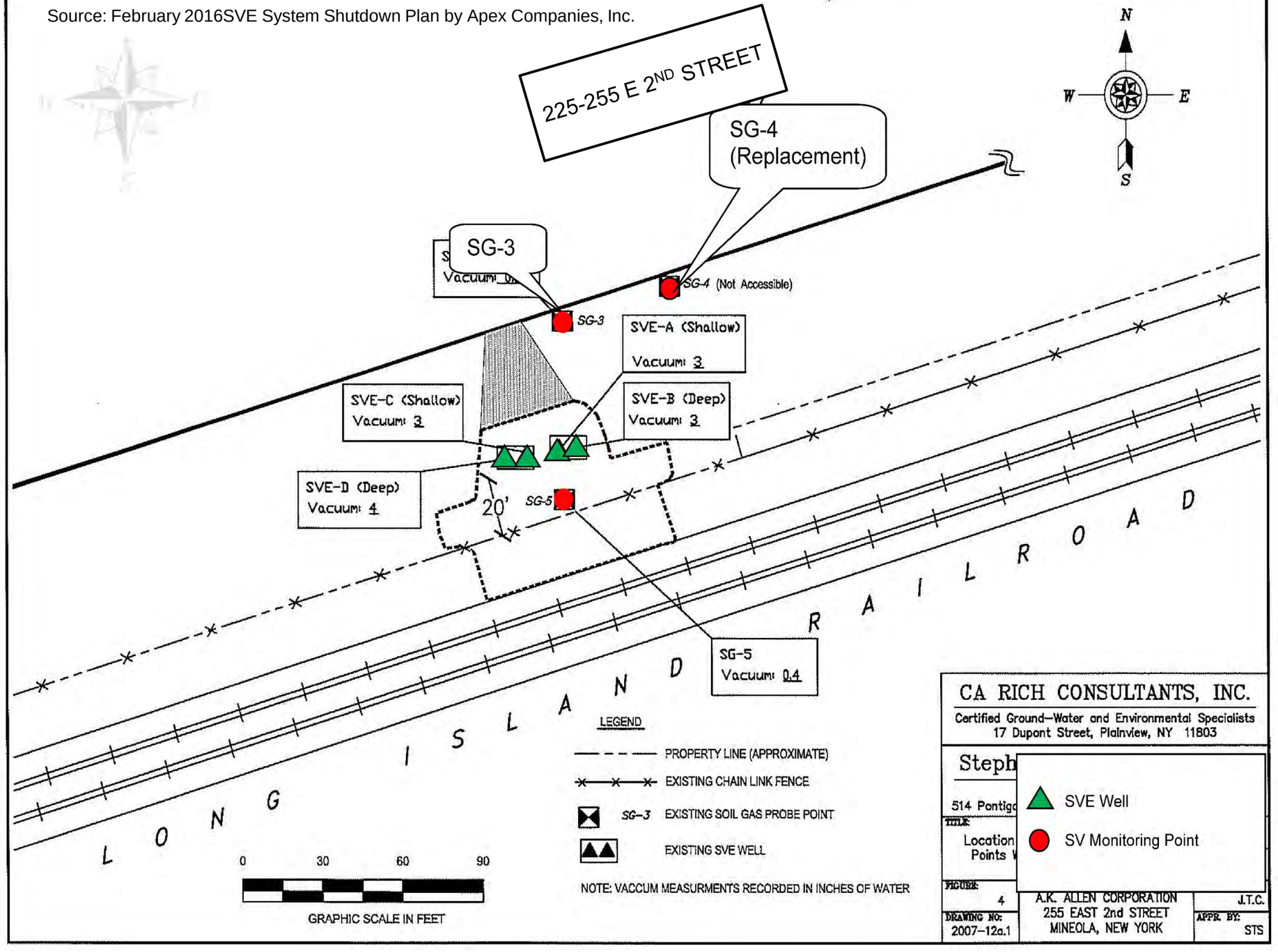
A.K. ALLEN CORPORATION
255 EAST 2nd STREET
MINEOLA, NEW YORK

ERM

SITE LAYOUT MAP SHOWING AREAS OF IRM EXCAVATION
225-255 E 2nd Street, Mineola, New York

Figure
3

Source: February 2016SVE System Shutdown Plan by Apex Companies, Inc.

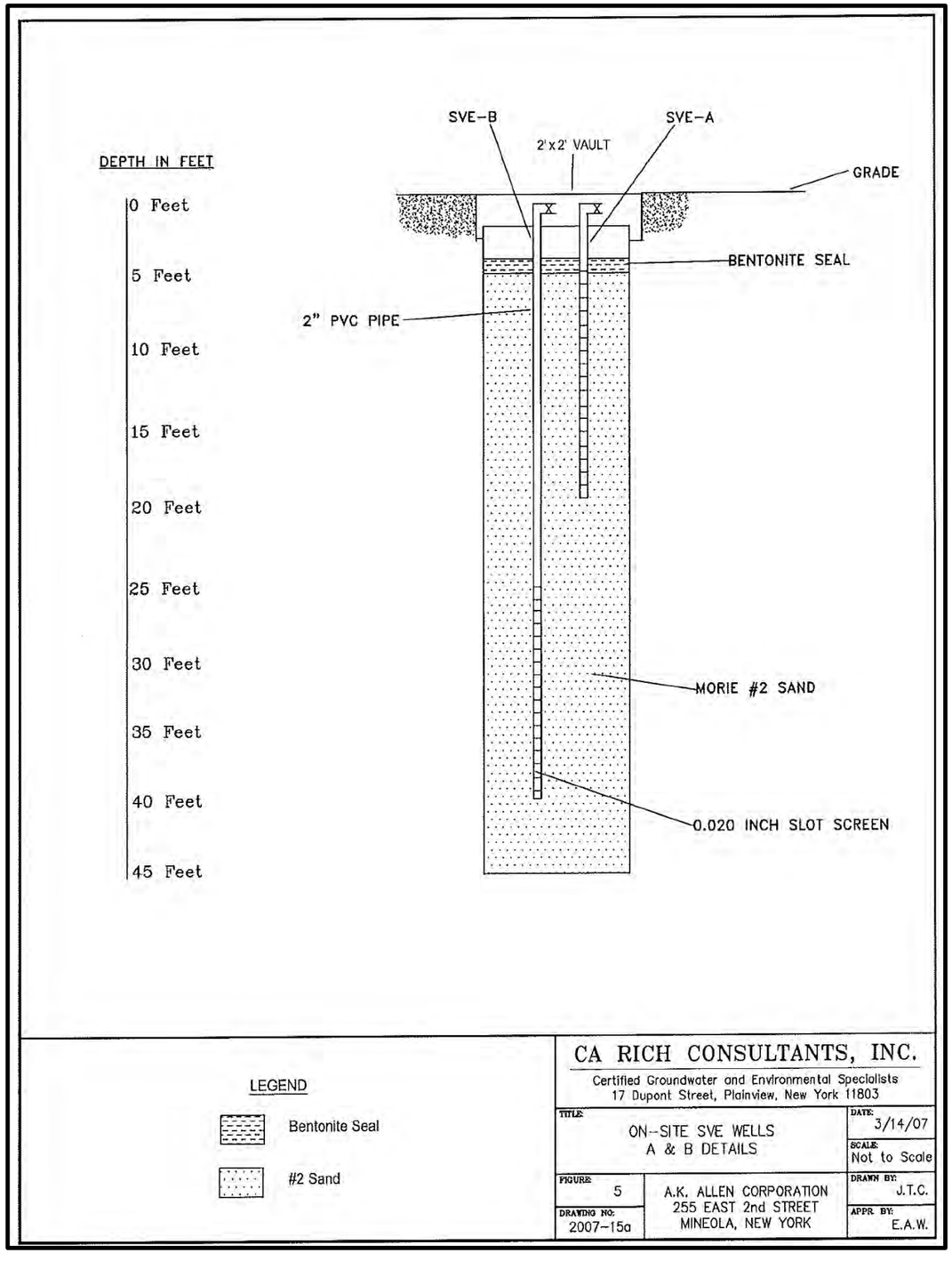


ERM

SITE LAYOUT MAP SHOWING LOCATIONS OF SVE WELLS AND SOIL VAPOR MONITORING POINTS

225-255 E 2nd Street, Mineola, New York

Figure **4**



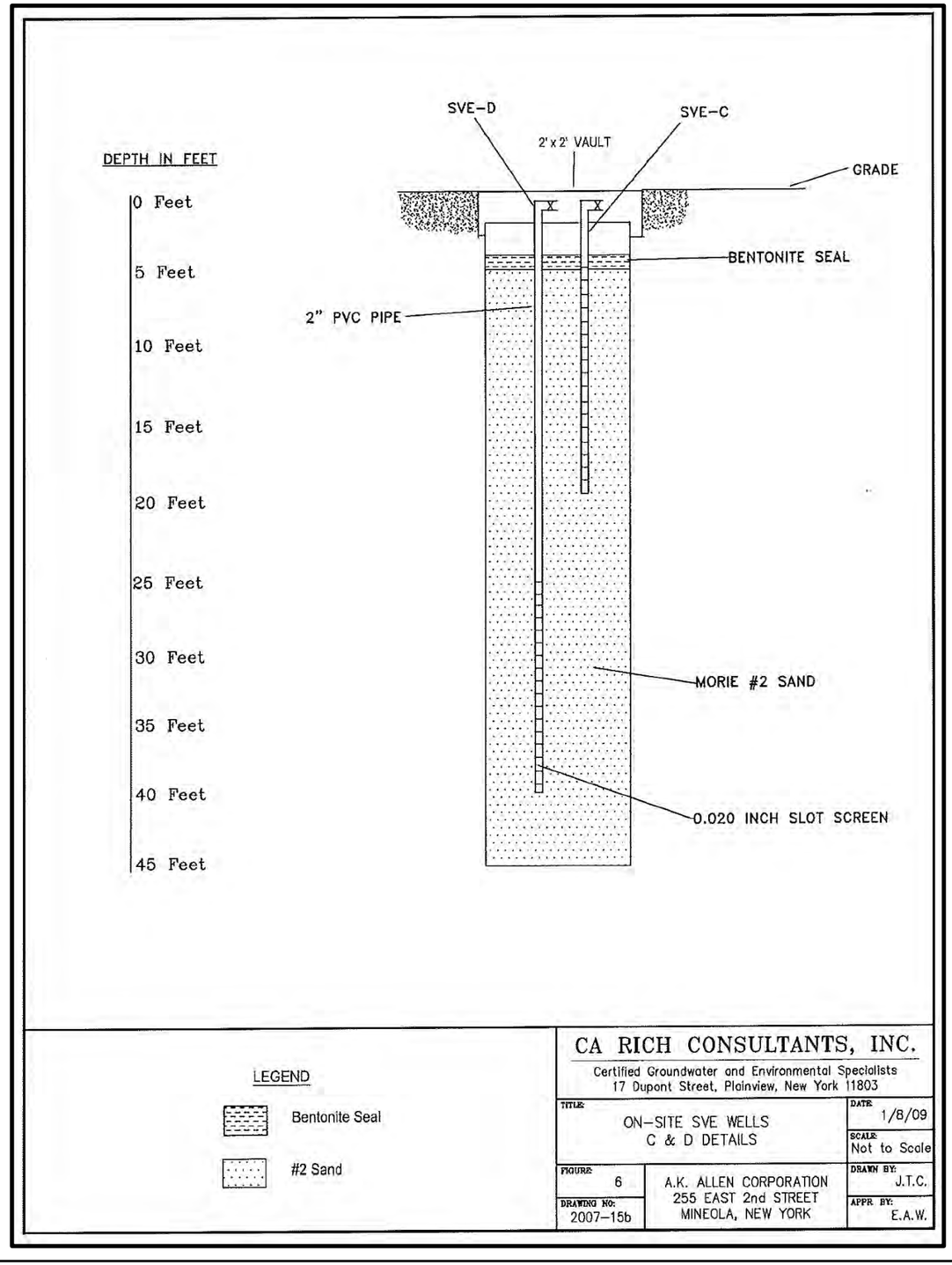
Source: February 2009 Final Engineering Report and Operations, Maintenance & Monitoring Plan – On-Site Soil Vapor Extraction System S-Build Design prepared by CA Rich Consultants, Inc.

ERM

CONSTRUCTION DETAILS FOR SVE WELLS A & B

225-255 E 2nd Street, Mineola, New York

Figure **5**



Source: February 2009 Final Engineering Report and Operations, Maintenance & Monitoring Plan – On-Site Soil Vapor Extraction System S-Build Design prepared by CA Rich Consultants, Inc.

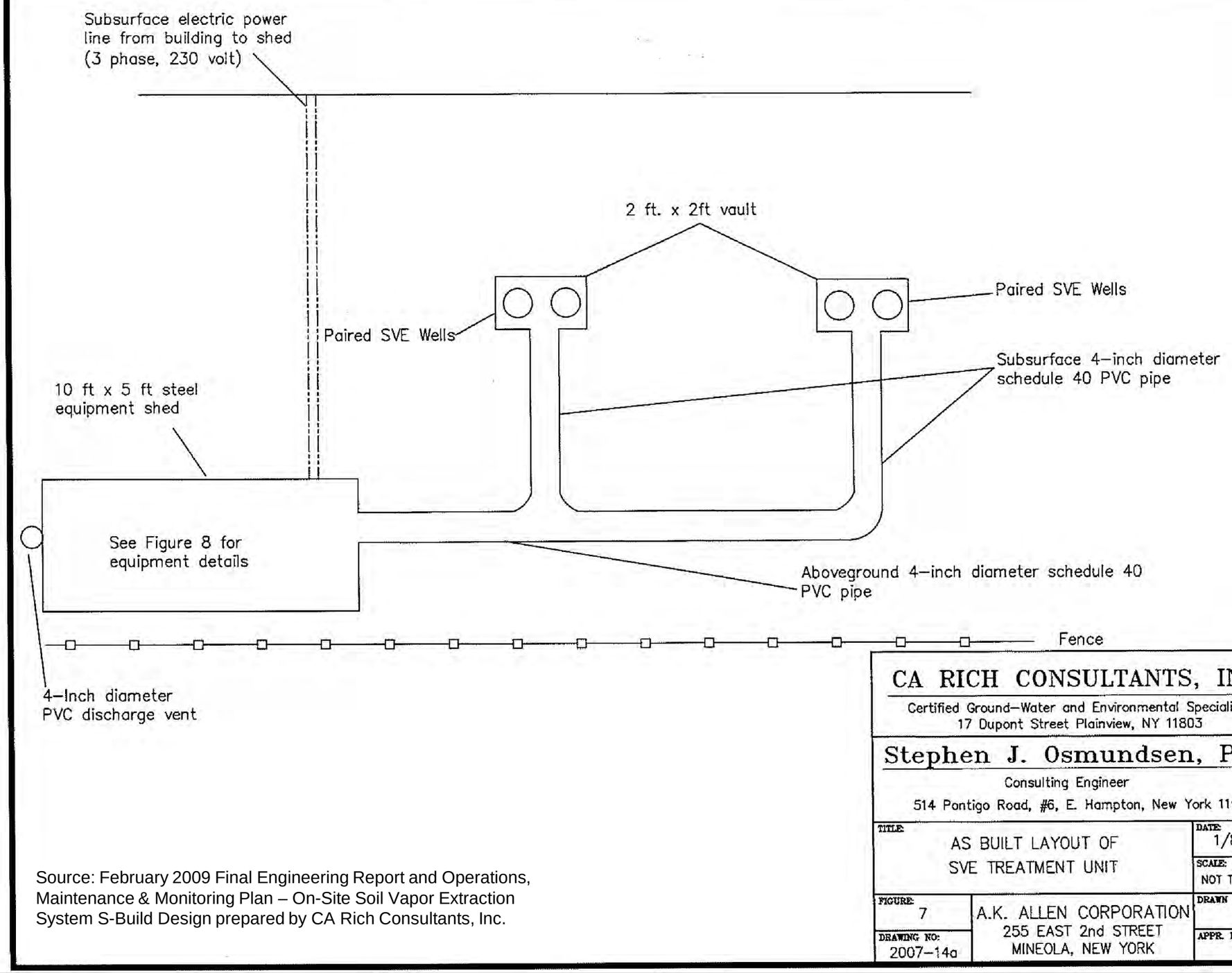
ERM

CONSTRUCTION DETAILS FOR SVE WELLS C & D

225-255 E 2nd Street, Mineola, New York

Figure

6



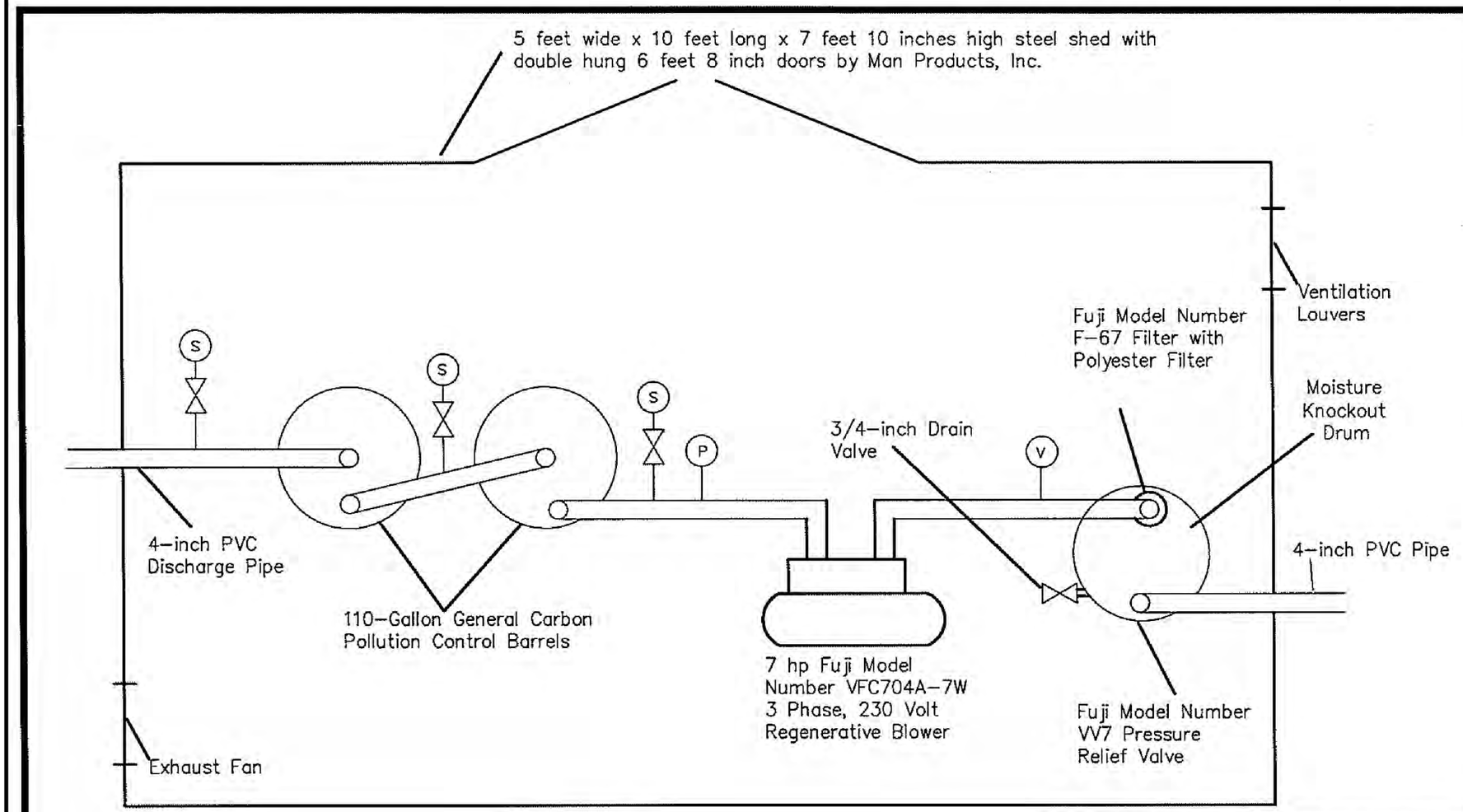
Source: February 2009 Final Engineering Report and Operations, Maintenance & Monitoring Plan – On-Site Soil Vapor Extraction System S-Build Design prepared by CA Rich Consultants, Inc.

ERM

AS-BUILT LAYOUT OF SVE TREATMENT SYSTEM LAYOUT

225-255 E 2nd Street, Mineola, New York

Figure **7**



Source: February 2009 Final Engineering Report and Operations, Maintenance & Monitoring Plan – On-Site Soil Vapor Extraction System S-Build Design prepared by CA Rich Consultants, Inc.

LEGEND

(S) SAMPLE PORT

(V) VACUUM GAUGE (0 to 60 inches of water)

(P) PRESSURE GAUGE (0 to 60 inches of water)

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Stephen J. Osmundsen, P.E.
Consulting Engineer
514 Pontigo Road, #6, E. Hampton, New York 11937

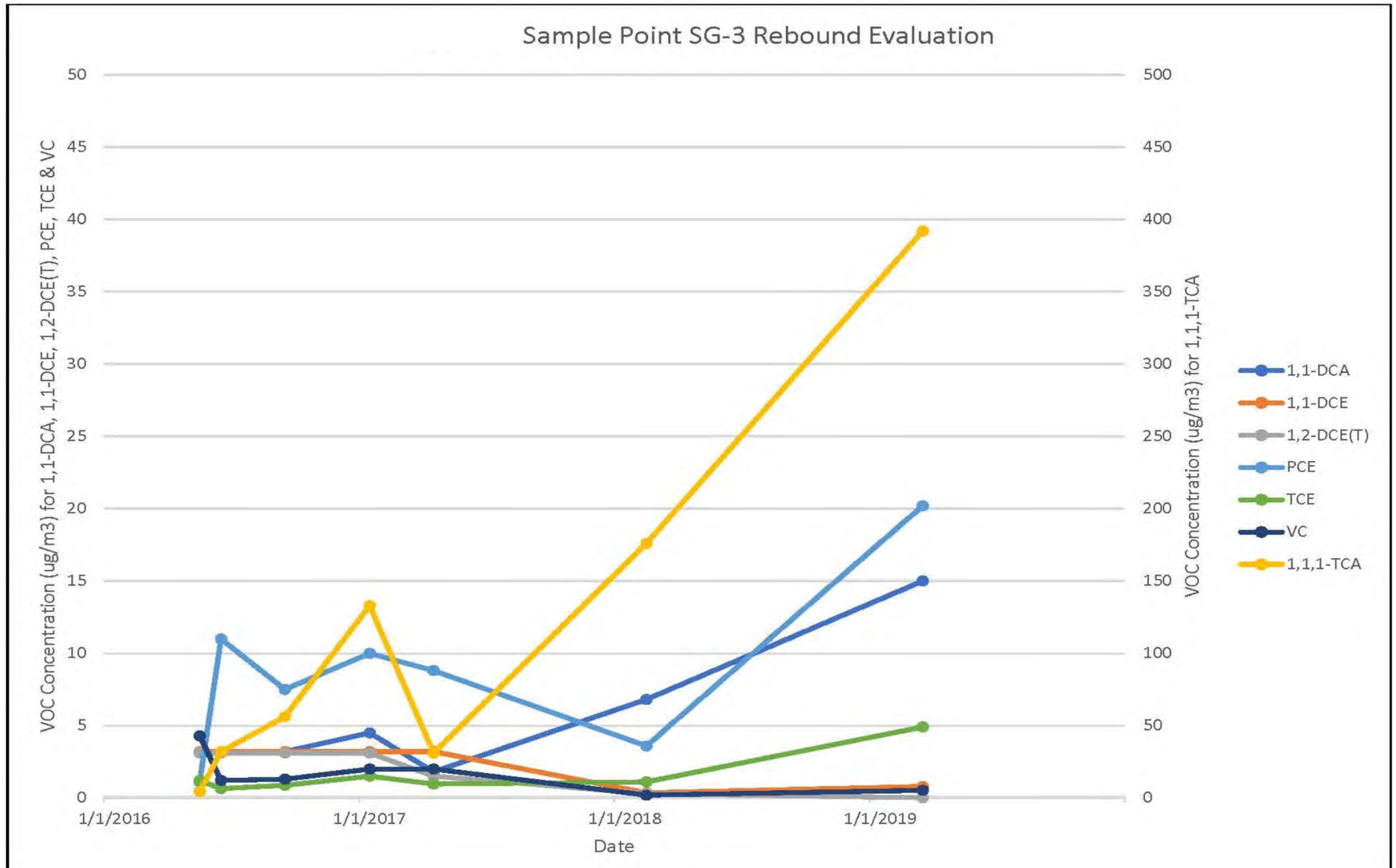
TITLE: AS BUILT OF SVE EQUIPMENT		DATE: 1/8/09
		SCALE: NOT TO SCALE
FIGURE: 8	A.K. ALLEN CORPORATION 255 EAST 2nd STREET MINEOLA, NEW YORK	DRAWN BY: J.T.C.
DRAWING NO: 2007-13A		APPR. BY: S.J.O.

ERM

AS-BUILT OF SVE TREATMENT EQUIPMENT

225-255 E 2nd Street, Mineola, New York

Figure **8**



Source: April 2019 Soil Gas Sampling Event – March 2019 Letter Report by VERTEX Engineering, PC

HISTORIC SG-3 CONCENTRATIONS

A.K. Allen Company, Inc. Facility
255 East 2nd Street, Mineola NY

VERTEX Proj. No. 56308

VERTEX Engineering, PC

THE VERTEX COMPANIES, INC.

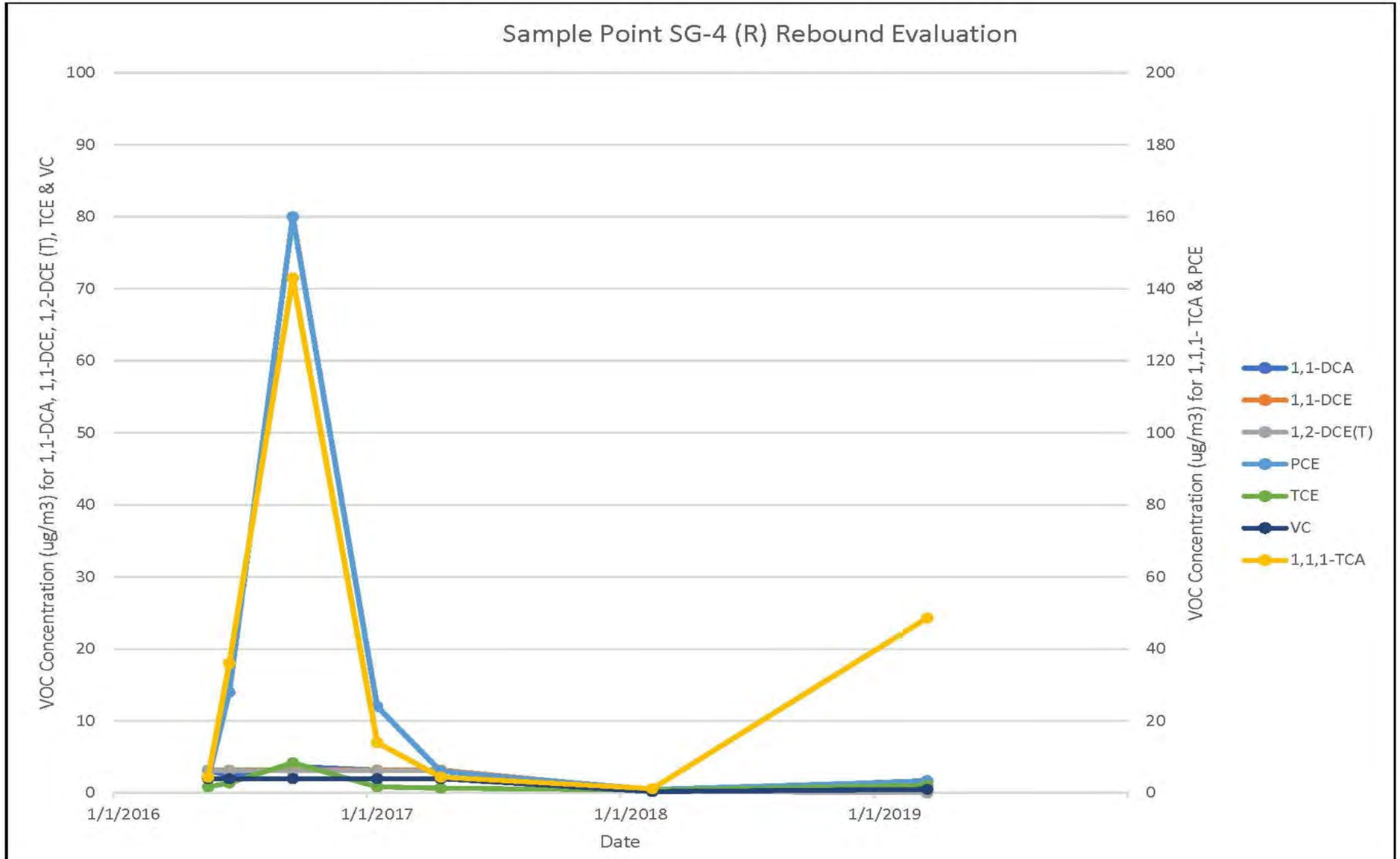
ERM

HISTORICAL VOC CONCENTRATIONS AT VAPOR MONITORING POINT SG-3

225-255 E 2nd Street, Mineola, New York

Figure

9



Source: April 2019 Soil Gas Sampling Event – March 2019 Letter Report by VERTEX Engineering, PC

HISTORIC SG-4 (R) CONCENTRATIONS

A.K. Allen Company, Inc. Facility
255 East 2nd Street, Mineola NY

VERTEX Proj. No. 56308

VERTEX Engineering, PC

THE VERTEX COMPANIES, INC.

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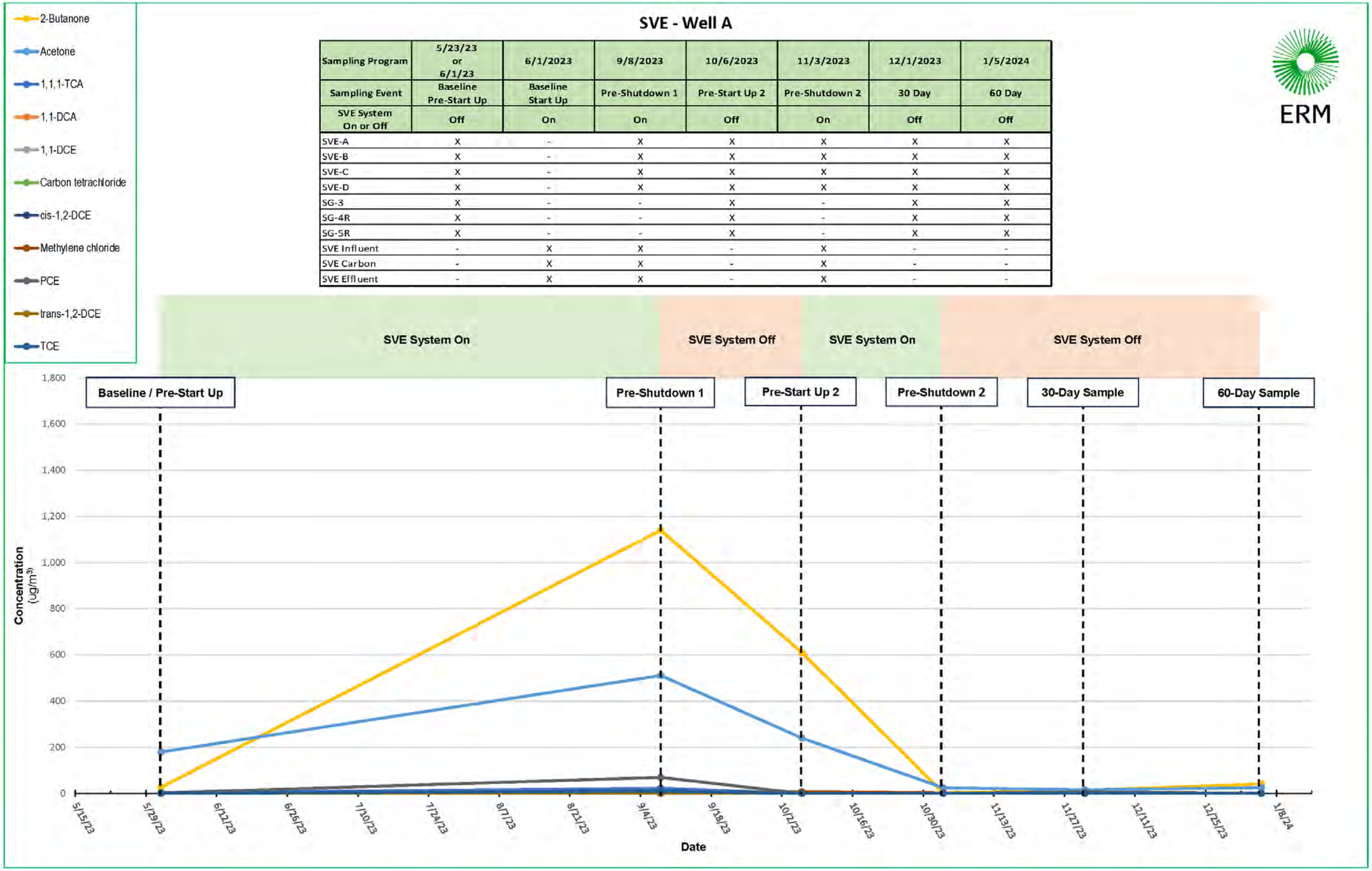
HISTORICAL VOC CONCENTRATIONS AT VAPOR MONITORING POINT SG-4R

225-255 E 2nd Street, Mineola, New York

Figure **10**

SVE - Well A

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



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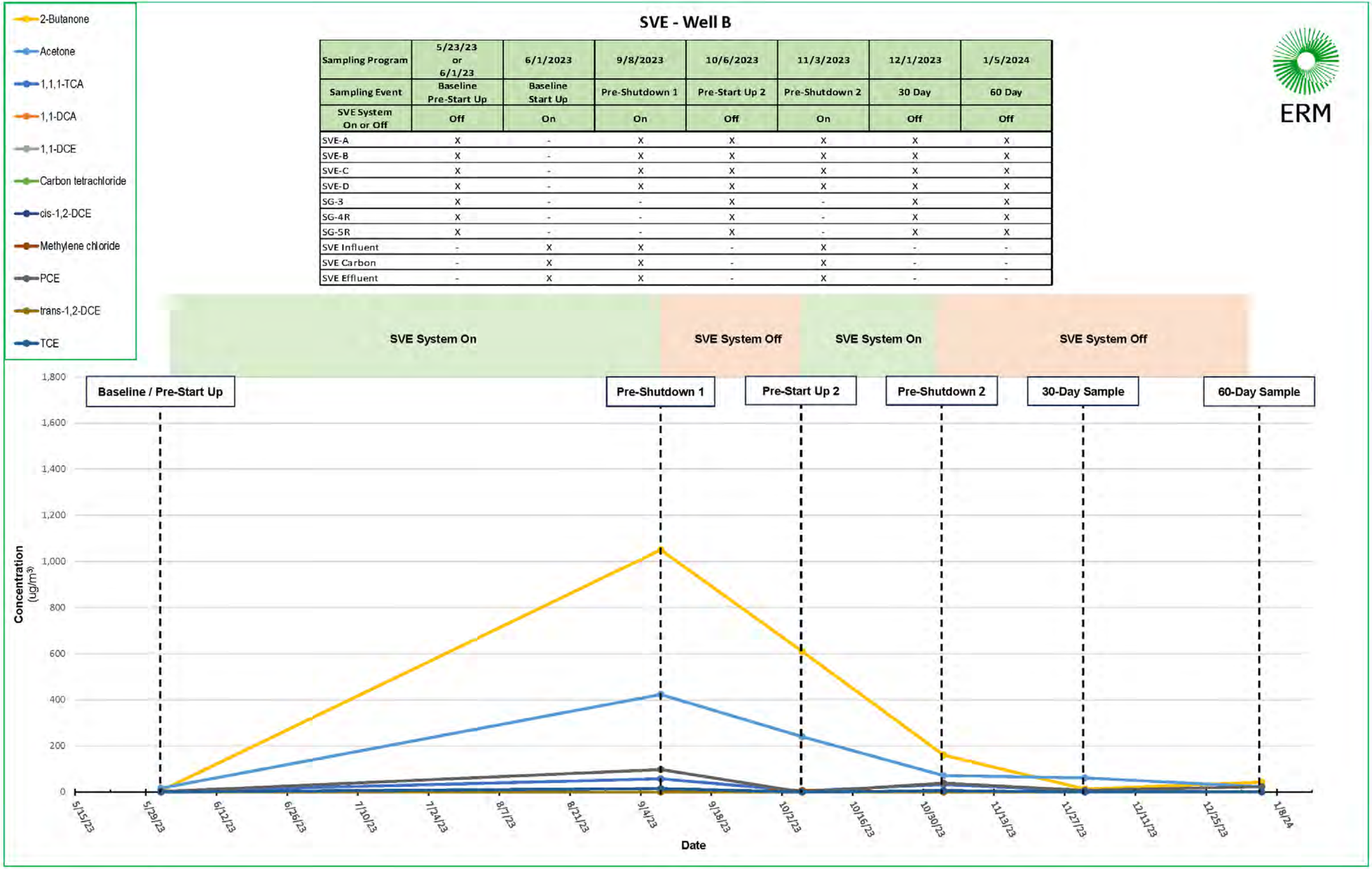
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT EXTRACTION WELL SVE-A

225-255 E 2nd Street, Mineola, New York

Figure **11**

SVE - Well B

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



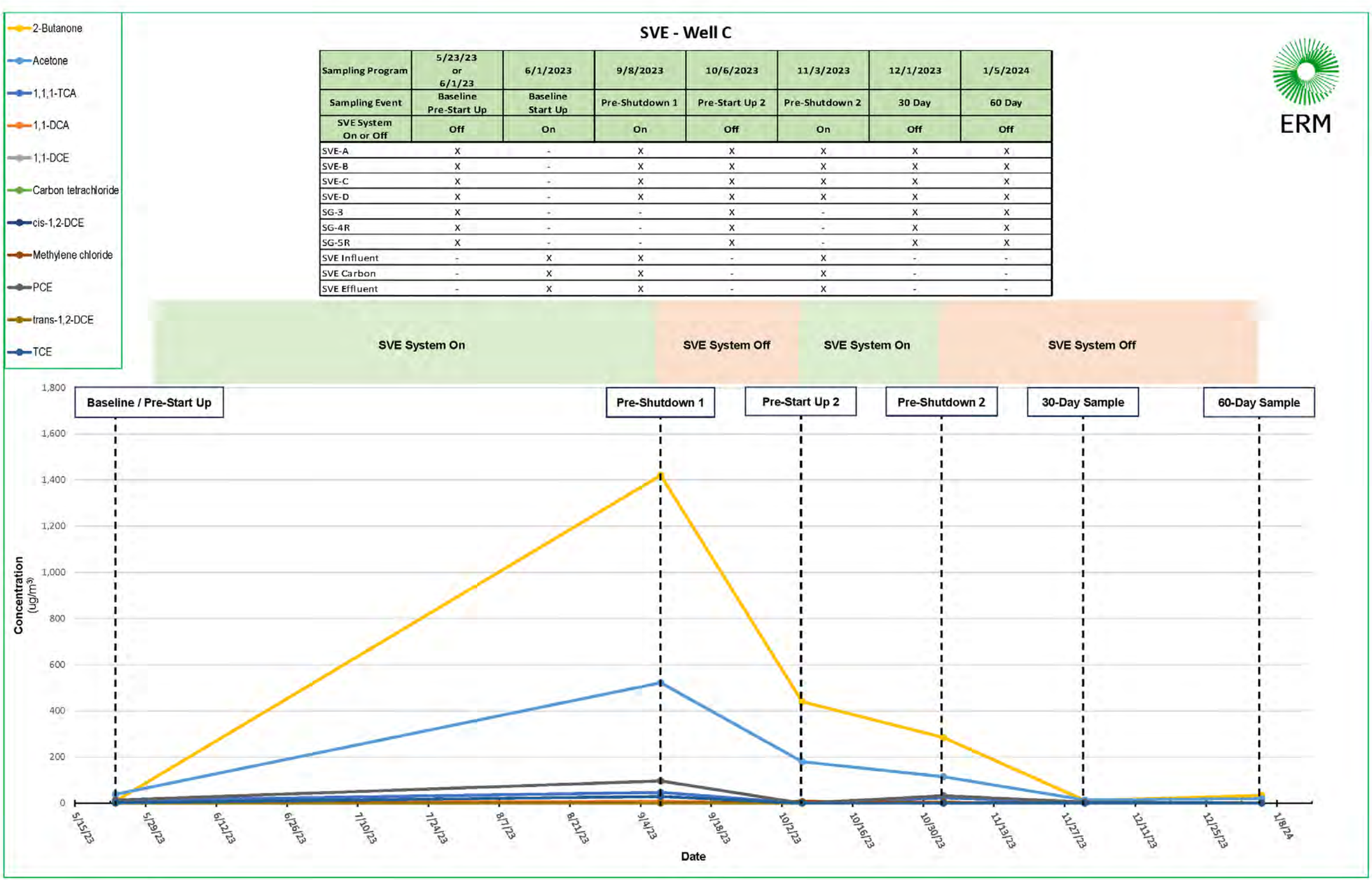
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT EXTRACTION WELL SVE-B

225-255 E 2nd Street, Mineola, New York

Figure **12**

SVE - Well C

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



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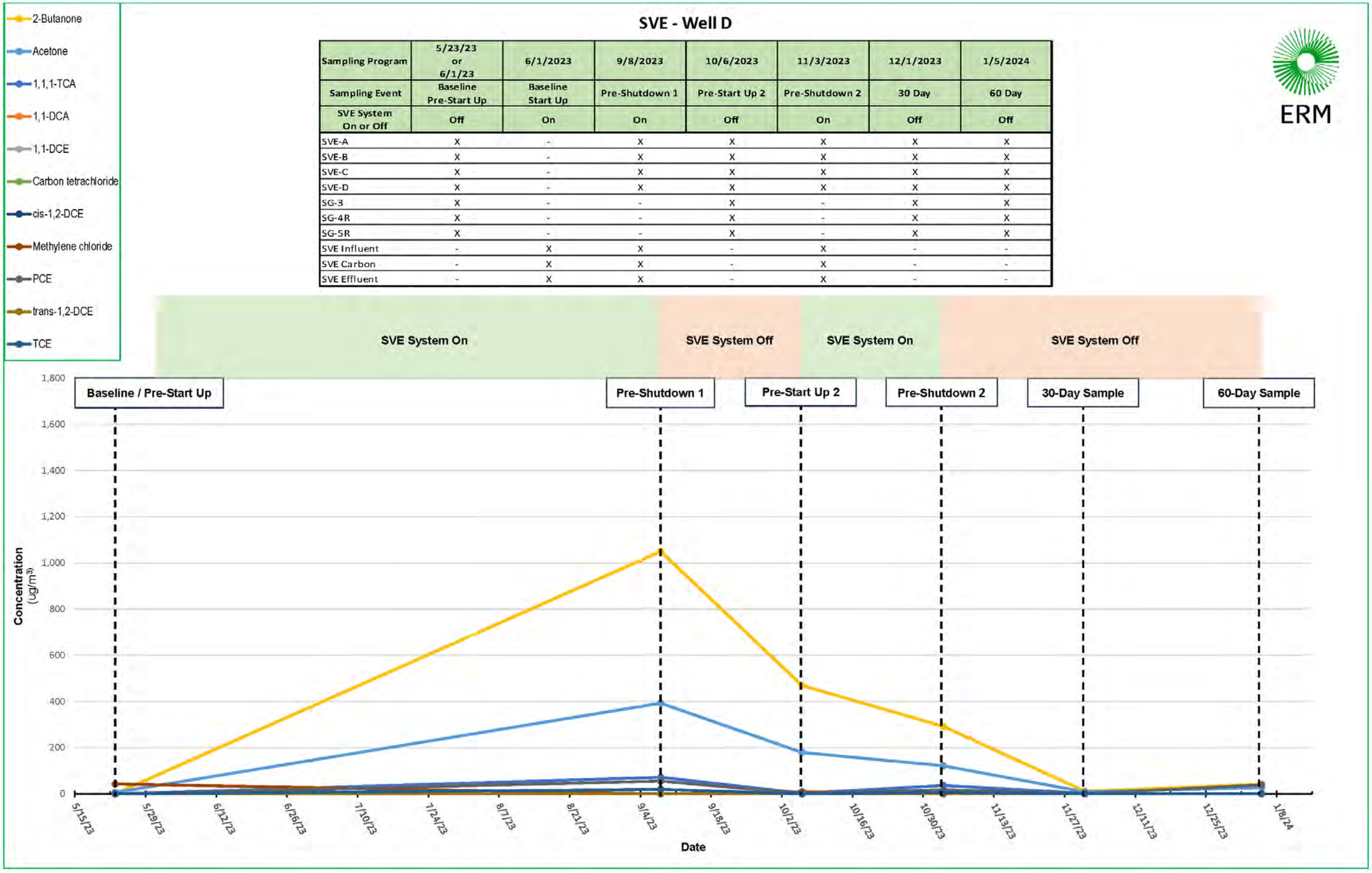
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT EXTRACTION WELL SVE-C

225-255 E 2nd Street, Mineola, New York

Figure **13**

SVE - Well D

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



ERM

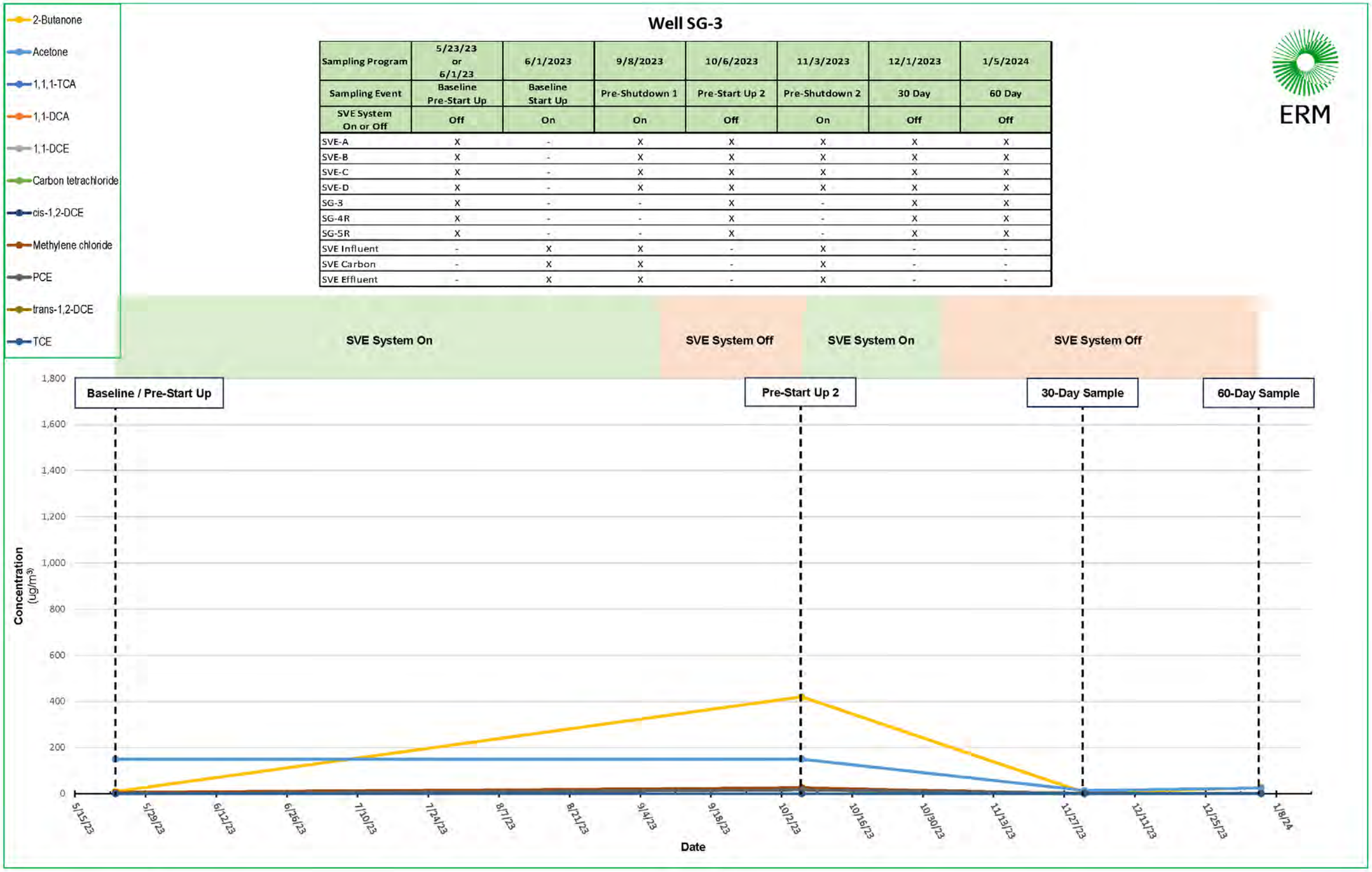
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT EXTRACTION WELL SVE-D

225-255 E 2nd Street, Mineola, New York

Figure **14**

Well SG-3

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



ERM

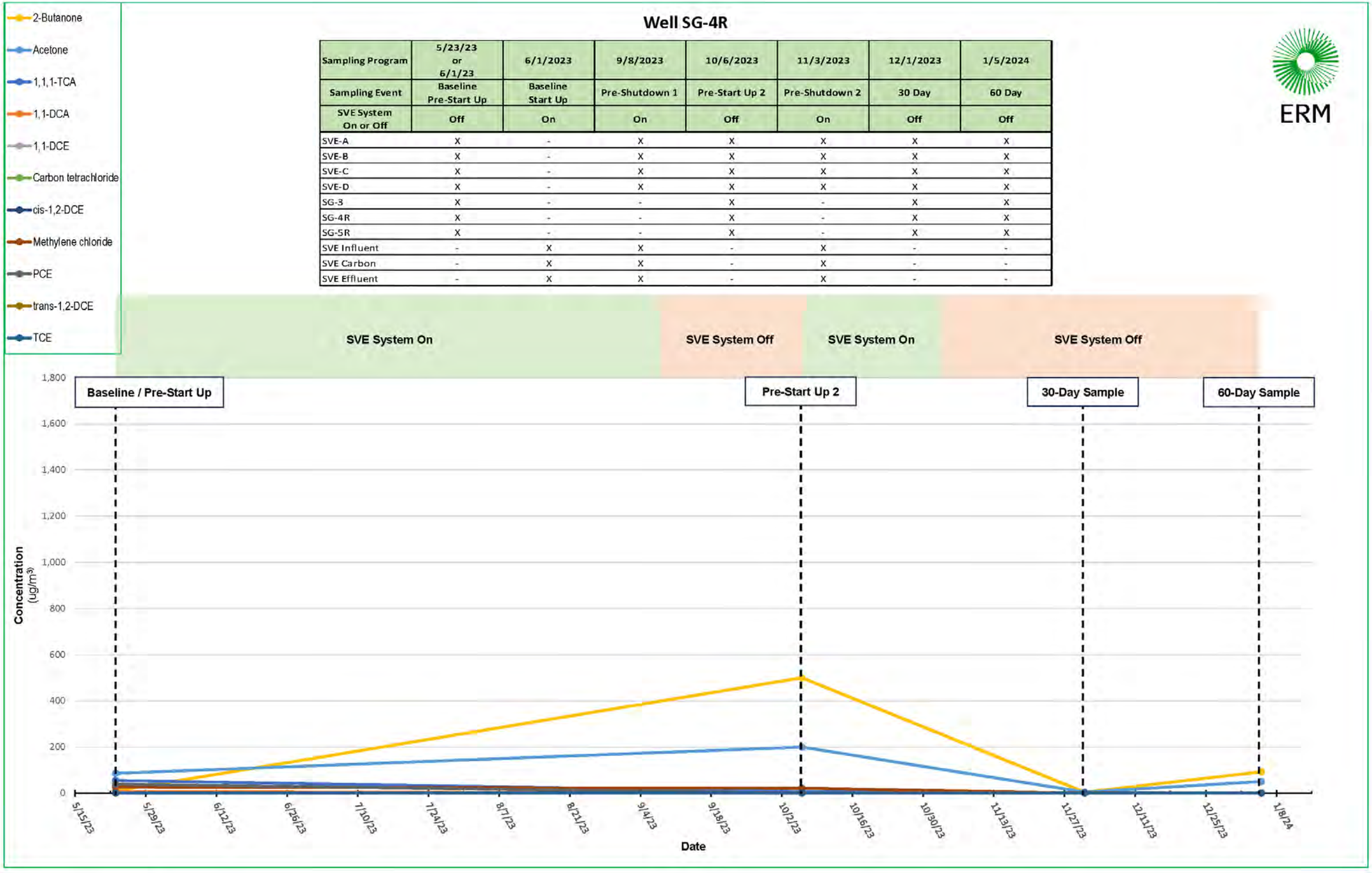
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT MONITORING POINT SG-3

225-255 E 2nd Street, Mineola, New York

Figure **15**

Well SG-4R

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



ERM

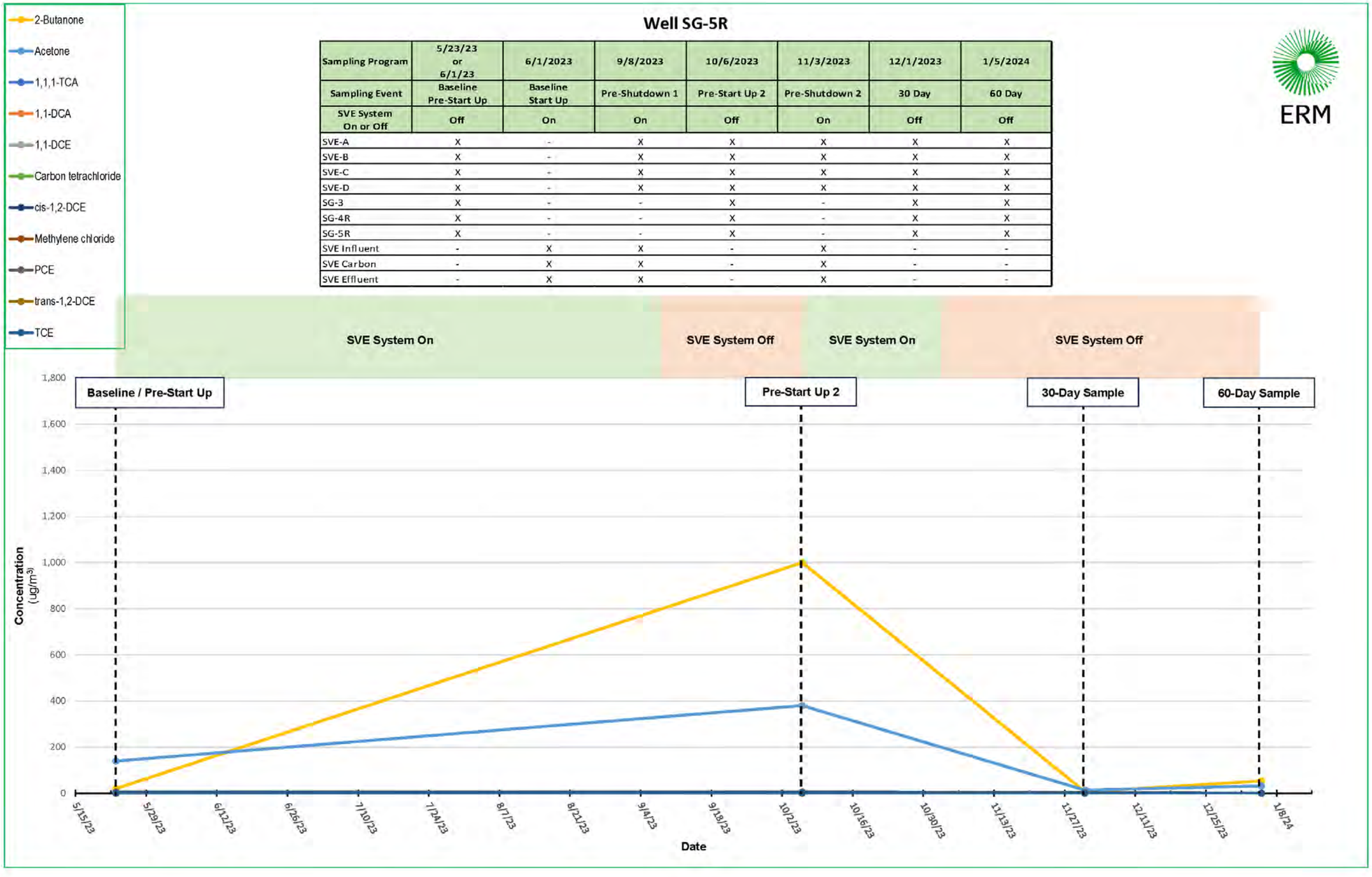
HISTORICAL VOC CONCENTRATIONS INSOIL VAPOR AT MONITORING POINT SG-4R

225-255 E 2nd Street, Mineola, New York

Figure **16**

Well SG-5R

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



ERM

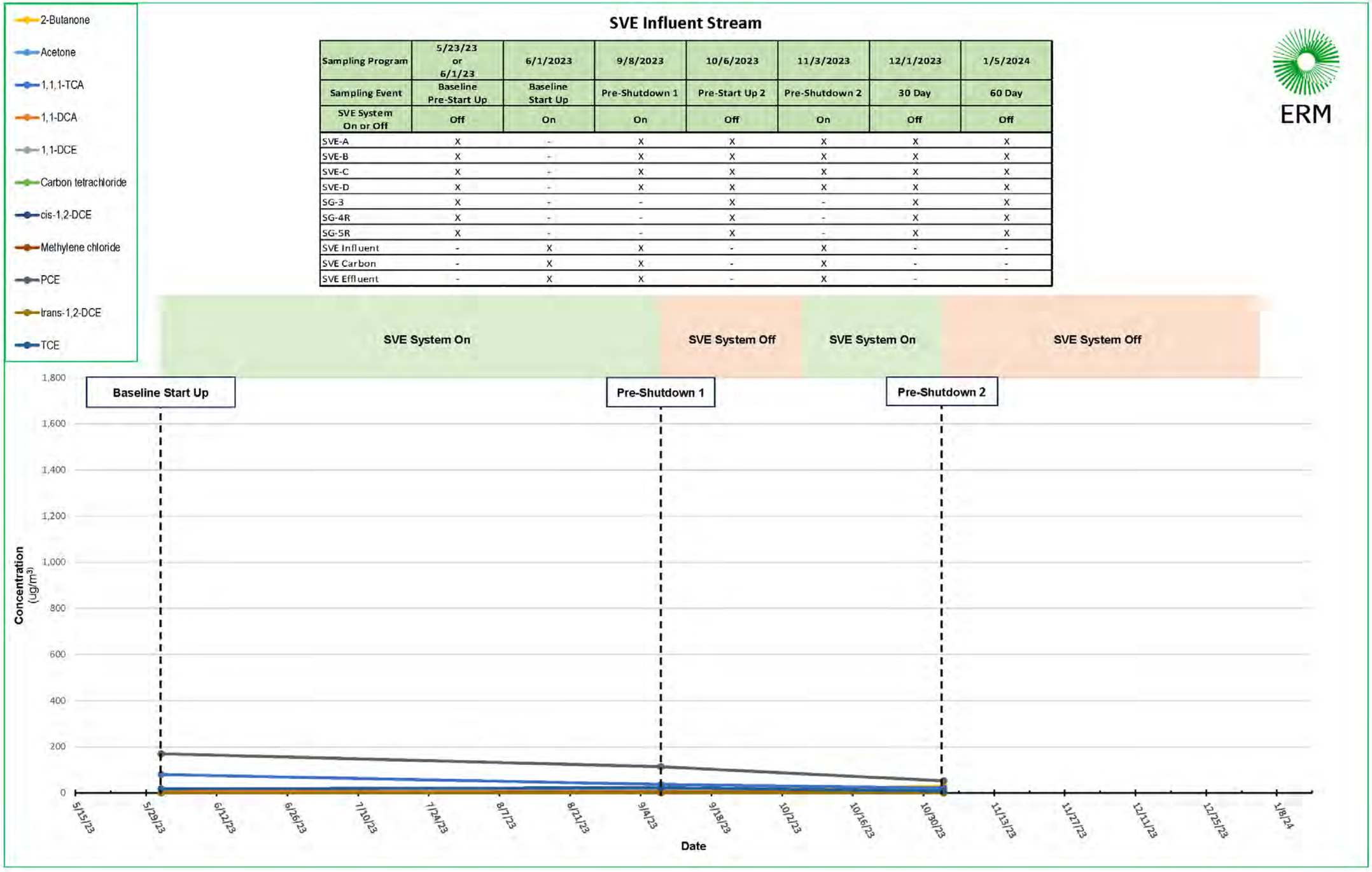
HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR AT MONITORING POINT SG-5R

225-255 E 2nd Street, Mineola, New York

Figure **17**

SVE Influent Stream

Sampling Program	5/23/23 or 6/1/23	6/1/2023	9/8/2023	10/6/2023	11/3/2023	12/1/2023	1/5/2024
Sampling Event	Baseline Pre-Start Up	Baseline Start Up	Pre-Shutdown 1	Pre-Start Up 2	Pre-Shutdown 2	30 Day	60 Day
SVE System On or Off	Off	On	On	Off	On	Off	Off
SVE-A	X	-	X	X	X	X	X
SVE-B	X	-	X	X	X	X	X
SVE-C	X	-	X	X	X	X	X
SVE-D	X	-	X	X	X	X	X
SG-3	X	-	-	X	-	X	X
SG-4R	X	-	-	X	-	X	X
SG-5R	X	-	-	X	-	X	X
SVE Influent	-	X	X	-	X	-	-
SVE Carbon	-	X	X	-	X	-	-
SVE Effluent	-	X	X	-	X	-	-



HISTORICAL VOC CONCENTRATIONS IN SOIL VAPOR SYSTEM INFLUENT

225-255 E 2nd Street, Mineola, New York

Figure **18**

LIST OF TABLES

Table 1
Soil Vapor Monitoring Point Data - Historical
Post-System Shutdown

VOCs of Concern (ug/m3)	VOCs of Concern (ug/m3)	USEPA Commercial / Industrial VISLs4	EPA-VISL-TSSGC*	SG-3							SG-4R						
				24 Hr	30 Day	120 Day	1st 1/4	2nd 1/4	Feb. 2018	Mar. 2019	24 Hr	30 Day	120 Day	1st 1/4	2nd 1/4	Feb. 2018	Mar. 2019
		(ug/m3)	(ug/m3)	5/24/2016	6/23/2016	9/22/2016	1/30/2017	4/24/2017	2/26/2018	3/29/2019	5/24/2016	6/23/2016	9/22/2016	1/30/2017	4/24/2017	2/26/2018	3/29/2019
1,1-DCA	1,1-dichloroethane	260	59	3.2 U	3.2 U	3.2 U	4.5	1.8 J	6.8	15	3.2 U	2.3 J	3.7	3.2 U	3.2 U	0.32 U	1.72
1,1-DCE	1,1-dichloroethene	29000	7000	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	0.35 U	0.793 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	0.36 U	0.793 U
1,2-DCE (T)	1,2-dichloroethene	NS5	NS	3.1 U	3.1 U	3.1 U	3.1 U	1.5 J	0.30 U	0.793 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.30 U	0.793 U
1,1,1-TCA	1,1,1-trichloroethane	730000	170000	4.4 U	32	56.2	133	31	176	392	4.4 U	36	143	14	4.4 U	1.2 J	48.6
PCE	tetrachloroethene	1600	360	1.1 U	11	7.5	10	8.8	3.6	20.2	2	14	80	12	3	0.51 J	1.65
TCE	trichloroethene	100	16	1.2	0.64 J	0.86	1.5	0.97	1.1	4.91	0.86 U	1.4	4.2	0.86 U	0.68 U	0.41 U	1.07 U
VC	vinyl chloride	93	5.6	4.3	1.2 J	1.3 J	2.0 U	2.0 U	0.19 U	0.511 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.19 U	0.511 U

Notes:
1 U - Analyte not detected above laboratory Reporting Limit.
2 NA - Not Applicable.
3 Represents vacuum readings collected from just prior to SVE system shutdown and ten minutes after shutdown.
4 USEPA Vapor Intrusion Screening Levels (VISLs) June 2015.
5 NS - No screening level exists for this parameter.
6 J - Estimated value, analyte detected at a concentration between its laboratory Method Detection Limit (MDL) and Reporting Limit (RL).
*Resident Vapor Intrusion Screening Level Target Sub-slab and Near-source Soil Gas Concentration
EPA-VISL-TSSGC: EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL Calculator, Version 3.5, Updated October 2017 (June 2017 RSLs).

Source: 19 April 2019 Letter Report from Vertex Engineering, PC.

Table 2
Soil Vapor Extraction System - Operational Measurements
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

Location	Date	Time	Pressure (in H2O)	Flow ft³ / minute[1]
POST-START UP EVENT #1				
SVE-A	6/1/2023	11:50	-2.920	52
		12:00	-2.750	50
		12:10	-2.690	49
		12:20	-2.600	42
		12:30	-2.480	41
		12:40	-2.450	40
		12:50	-2.450	40
		13:00	-2.450	40
SVE-B	6/1/2023	11:50	-2.990	53
		12:00	-2.910	51
		12:10	-2.840	49
		12:20	-2.770	44
		12:30	-2.710	41
		12:40	-2.660	40
		12:50	-2.660	40
		13:00	-2.660	40
SVE-C	6/1/2023	11:50	-2.980	48
		12:00	-2.780	46
		12:10	-2.620	42
		12:20	-2.600	41
		12:30	-2.550	39
		12:40	-2.520	37
		12:50	-2.520	37
		13:00	-2.520	37
SVE-D	6/1/2023	11:50	-2.670	40
		12:00	-2.580	39
		12:10	-2.470	35
		12:20	-2.400	35
		12:30	-2.380	35
		12:40	-2.370	35
		12:50	-2.370	35
		13:00	-2.370	35
SVE-INF (Upstream of Moisture Knock-Out Vessel)	6/1/2023	11:50	-5.119	424
		12:00	-5.100	391
		12:10	-5.090	361
		12:20	-5.080	250
		12:30	-5.060	186
		12:40	-5.050	160
		12:50	-5.050	160
		13:00	-5.050	160
SVE-INF (Downstream of Blower)	6/1/2023	11:50	OL	271
		12:00	OL	245
		12:10	OL	236
		12:20	OL	226
		12:30	OL	212
		12:40	OL	205
		12:50	OL	205
		13:00	OL	205
SVE-CARBON (Between Carbon Vessels)	6/1/2023	11:50	15.430	243
		12:00	12.690	210
		12:10	10.090	203
		12:20	9.780	193
		12:30	8.990	189
		12:40	8.510	184
		12:50	8.510	184
		13:00	8.510	184
SVE-EFF	6/1/2023	11:50	0.210	219
		12:00	0.210	198
		12:10	0.210	193
		12:20	0.210	189
		12:30	0.210	189
		12:40	0.210	184
		12:50	0.210	184
		13:00	0.210	184

Table 2
Soil Vapor Extraction System - Operational Measurements
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

Location	Date	Time	Pressure (in H2O)	Flow ft^3 / minute[1]
PRE-SHUTDOWN EVENT #1				
SVE-A	9/8/2023	10:00	-2.574	41
SVE-B		10:12	-2.814	69
SVE-C		10:26	-3.025	36
SVE-D		10:34	-2.877	66
SG-3		10:50	-0.215	N/A
SG-4R		10:55	-0.109	N/A
SG-5R		10:00	-0.555	N/A
SVE-INF (Upstream of Moisture Knock-Out Vessel)		9:25	-5.156	187
SVE-INF (Downstream of Blower)		9:38	OL	201
SVE-CARBON (Between Carbon Vessels)		9:47	8.241	205
SVE-EFF		9:51	0.204	248
POST-SHUTDOWN EVENT #1				
SG-3	9/8/2023	14:50	-0.068	N/A
		15:00	-0.066	N/A
		15:10	-0.067	N/A
SG-4R		14:50	-0.069	N/A
		15:00	-0.065	N/A
		15:10	-0.066	N/A
SG-5R		14:50	-0.044	N/A
		15:00	-0.049	N/A
		15:10	-0.048	N/A
PRE-START UP EVENT #2				
SVE-A	10/6/2023	11:11	-0.038	N/A
SVE-B		11:08	-0.038	N/A
SVE-C		10:58	-0.041	N/A
SVE-D		11:02	-0.041	N/A
SG-3		10:25	-0.055	N/A
SG-4R		10:28	-0.054	N/A
SG-5R		10:32	-0.036	N/A
POST-START UP EVENT #2				
SG-3	10/6/2023	15:40	-0.211	N/A
		15:50	-0.212	N/A
		16:00	0.212	N/A
SG-4R		15:40	-0.121	N/A
		15:50	-0.125	N/A
		16:00	-0.131	N/A
SG-5R		15:40	-0.594	N/A
		15:50	-0.598	N/A
		16:00	-0.599	N/A
SVE-A		15:40	-2.646	54
		15:50	-2.649	52
		16:00	-2.650	52
SVE-B		15:40	-2.792	47
		15:50	-2.778	48
		16:00	-2.779	47
SVE-C		15:40	-2.787	56
		15:50	-2.775	56
		16:00	-2.777	55
SVE-D		15:40	-2.541	43
		15:50	-2.529	43
		16:00	-2.527	43
SVE-INF (Upstream of Moisture Knock-Out Vessel)		15:40	-5.132	213
		15:50	-5.132	205
		16:00	-5.129	206
SVE-INF (Downstream of Blower)		15:40	OL	186
		15:50	OL	199
		16:00	OL	192
SVE-CARBON (Between Carbon Vessels)		15:40	8.153	188
		15:50	8.283	188
		16:00	8.286	188
SVE-EFF		15:40	0.178	190
		15:50	0.180	189
		16:00	0.173	190

Table 2
Soil Vapor Extraction System - Operational Measurements
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

Location	Date	Time	Pressure (in H2O)	Flow ft^3 / minute[1]
PRE-SHUTDOWN EVENT #2				
SVE-A	11/3/2023	9:40	-2.823	39
SVE-B		9:43	-2.920	67
SVE-C		9:48	-2.739	38
SVE-D		9:50	-2.349	68
SG-3		10:12	-0.182	N/A
SG-4R		10:15	-0.097	N/A
SG-5R		10:18	-0.540	N/A
SVE-INF (Upstream of Moisture Knock-Out Vessel)		9:54	-6.781	194
SVE-INF (Downstream of Blower)		10:00	OL	221
SVE-CARBON (Between Carbon Vessels)		10:04	8.267	190
SVE-EFF		10:07	0.178	194
POST-SHUTDOWN EVENT #1				
SG-3	11/3/2023	13:30	-0.042	N/A
		13:40	-0.046	N/A
		13:50	-0.044	N/A
SG-4R		13:30	-0.037	N/A
		13:40	-0.036	N/A
		13:50	-0.036	N/A
SG-5R		13:30	-0.026	N/A
		13:40	-0.023	N/A
		13:50	-0.024	N/A
BEFORE 30-DAY SAMPLE				
SVE-A	12/1/2023	11:30	-0.035	N/A
SVE-B		11:32	-0.031	N/A
SVE-C		11:35	-0.028	N/A
SVE-D		11:38	-0.034	N/A
SG-3		11:41	-0.039	N/A
SG-4R		11:45	-0.037	N/A
SG-5R		11:50	-0.040	N/A
FOLLOWING COLLECTION OF THE 30-DAY SAMPLE				
SG-3	12/1/2023	14:25	-0.038	N/A
		14:35	-0.037	N/A
		14:45	-0.038	N/A
SG-4R		14:25	-0.035	N/A
		14:35	-0.033	N/A
		14:45	-0.035	N/A
SG-5R		14:25	-0.022	N/A
		14:35	-0.023	N/A
		14:45	-0.021	N/A
BEFORE 60-DAY SAMPLE				
SVE-A	1/5/2023	9:26	-0.031	N/A
SVE-B		9:29	-0.034	N/A
SVE-C		9:33	-0.031	N/A
SVE-D		9:35	-0.029	N/A
SG-3		9:40	-0.034	N/A
SG-4R		9:42	-0.031	N/A
SG-5R		9:45	-0.037	N/A
FOLLOWING COLLECTION OF THE 60-DAY SAMPLE				
SG-3	1/5/2023	14:00	-0.035	N/A
		14:10	-0.035	N/A
		14:20	-0.036	N/A
SG-4R		14:00	-0.032	N/A
		14:10	-0.033	N/A
		14:20	-0.031	N/A
SG-5R		14:00	-0.029	N/A
		14:10	-0.029	N/A
		14:20	-0.028	N/A

1. Variability in flow rate is likely caused by propogation of vacuum depression in the subsurface and turbulent flow in the vapor stream due to piping/flow measurement port configuration.
OL - Overload

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			BASELINE / PRE-STARTUP														STARTUP 1					
Sample ID		Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SG-3-052323		SG-4-052323		SG-5-052323		SVE-A-060123		SVE-B-060123		SVE-C-052323		SVE-D-052323		SVE-INF-060123		SVE-CARBON-060123		SVE-EFF-060123	
York ID			23E1379-05		23E1379-06		23E1379-07		23F0077-02		23F0077-01		23E1379-03		23E1379-04		23F0077-03		23F0077-04		23F0077-05	
Sampling Date			5/23/2023 12:05:00 PM		5/23/2023 3:30:00 PM		5/23/2023 3:35:00 PM		6/1/2023 11:45:00 AM		6/1/2023 11:30:00 AM		5/23/2023 1:20:00 PM		5/23/2023 2:00:00 PM		6/1/2023 3:00:00 PM		6/1/2023 3:05:00 PM		6/1/2023 3:10:00 PM	
Client Matrix			Soil Vapor		Soil Vapor		Soil Vapor		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor			2.24		1.498		1.633		1.503		1.647		1.655		1.485		1.721		1.774		1.769	
1,1,1,2-Tetrachloroethane	630-20-6	2	1.5	U	1	U	1.1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.2	U
1,1,1-Trichloroethane	71-55-6	8100	1.2	U	**55**		**2.9**		**2.6**		**3**		**12**		0.81	U	**80**		**20**		**19**	
1,1,2,2-Tetrachloroethane	79-34-5	0.6	1.5	U	1	U	1.1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	1.7	U	1.1	U	1.3	U	1.2	U	1.3	U	1.3	U	1.1	U	1.3	U	1.4	U	1.4	U
1,1,2-Trichloroethane	79-00-5	0.77	1.2	U	0.82	U	0.89	U	0.82	U	0.9	U	0.9	U	0.81	U	0.94	U	0.97	U	0.97	U
1,1-Dichloroethane	75-34-3	7.7	0.91	U	**7.4**		**0.99**		0.61	U	0.67	U	**1.6**		0.6	U	**7.7**		**1.5**		**2**	
1,1-Dichloroethylene	75-35-4	880	0.22	U	0.15	U	**0.19**		0.15	U	0.16	U	**0.2**		0.15	U	**0.2**		**0.28**		0.18	U
1,2,4-Trichlorobenzene	120-82-1	8.8	1.7	U	1.1	U	1.2	U	1.1	UJ	1.2	UJ	1.2	U	1.1	U	1.3	UJ	1.3	UJ	1.3	UJ
1,2,4-Trimethylbenzene	95-63-6	260	1.1	U	**24**		**15**		**7.1**		**5.7**		**1.1**		0.73	U	0.85	U	**1**		**6.2**	
1,2-Dibromoethane	106-93-4	0.02	1.7	U	1.2	U	1.3	U	1.2	U	1.3	U	1.3	U	1.1	U	1.3	U	1.4	U	1.4	U
1,2-Dichlorobenzene	95-50-1	880	1.3	U	0.9	U	0.98	U	0.9	U	0.99	U	1	U	0.89	U	1	U	1.1	U	1.1	U
1,2-Dichloroethane	107-06-2	0.47	0.91	U	0.61	U	0.66	U	0.61	U	0.67	U	0.67	U	0.6	U	0.7	U	0.72	U	0.72	U
1,2-Dichloropropane	78-87-5	3.3	1	U	0.69	U	0.75	U	0.69	U	0.76	U	0.76	U	0.69	U	0.8	U	0.82	U	0.82	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	1.6	U	1	U	1.1	U	1.1	UJ	1.2	UJ	1.2	U	1	U	1.2	UJ	1.2	UJ	1.2	UJ
1,3,5-Trimethylbenzene	108-67-8	260	1.1	U	**6.6**		**4.2**		**1.9**		**1.5**		0.81	U	0.73	U	0.85	U	0.87	U	**1.7**	
1,3-Butadiene	106-99-0	~	1.5	U	0.99	U	1.1	U	1	U	1.1	U	1.1	U	0.99	U	1.1	U	1.2	U	1.2	U
1,3-Dichlorobenzene	541-73-1	~	**6.5**		0.9	U	0.98	U	**5.9**		0.99	U	**1.8**		0.89	U	**3.4**		**6.2**		**33**	
1,3-Dichloropropane	142-28-9	~	1	U	0.69	U	0.75	U	0.69	U	0.76	U	0.76	U	0.69	U	0.8	U	0.82	U	0.82	U
1,4-Dichlorobenzene	106-46-7	1.1	1.3	U	0.9	U	0.98	U	0.9	U	0.99	U	1	U	0.89	U	1	U	1.1	U	1.1	U
1,4-Dioxane	123-91-1	2.5	1.6	U	1.1	U	**20**		1.1	U	1.2	U	1.2	U	1.1	U	1.2	U	1.3	U	1.3	U
2-Butanone	78-93-3	22000	**10**		**10**		**20**		**27**		**6**		**9.2**		**1.1**		**1.3**		**1.6**		**18**	
2-Hexanone	591-78-6	130	1.8	U	**1.4**		**2**		**2.6**		1.3	U	1.4	U	1.2	U	1.4	U	1.5	U	**2.9**	
3-Chloropropene	107-05-1	2	3.5	U	2.3	U	2.6	U	2.4	U	2.6	U	2.6	U	2.3	U	2.7	U	2.8	U	2.8	U
4-Methyl-2-pentanone	108-10-1	13000	**2.1**		0.61	U	**20**		**4.8**		**6.8**		**1.7**		0.61	U	0.71	U	0.73	U	**3.9**	
Acetone	67-64-1	18000	**150**		**86**		**140**		**180**		**17**		**39**		**6.7**		**7.7**		**11**		**93**	
Acrylonitrile	107-13-1	0.18	0.49	U	0.33	U	**0.53**		0.33	U	0.36	U	**0.36**		0.32	U	0.37	U	0.38	U	0.38	U
Benzene	71-43-2	1.6	**1.4**		**3.1**		**18**		**12**		**16**		**1**		**1.1**		0.55	U	0.57	U	**0.62**	
Benzyl chloride	100-44-7	0.25	1.2	U	0.78	U	0.85	U	0.78	U	0.85	U	0.86	U	0.77	U	0.89	U	0.92	U	0.92	U
Bromodichloromethane	75-27-4	0.33	1.5	U	1	U	1.1	U	1	U	1.1	U	1.1	U	0.99	U	1.2	U	1.2	U	1.2	U
Bromoform	75-25-2	11	2.3	U	1.5	U	1.7	U	1.6	U	1.7	U	1.7	U	1.5	U	1.8	U	1.8	U	1.8	U
Bromomethane	74-83-9	22	0.87	U	0.58	U	0.63	U	0.58	U	0.64	U	0.64	U	0.58	U	0.67	U	0.69	U	0.69	U
Carbon disulfide	75-15-0	3100	0.7	U	**4**		**1.8**		0.47	U	**0.82**		**1.9**		0.46	U	0.54	U	0.55	U	0.55	U
Carbon tetrachloride	56-23-5	2	0.35	U	**0.47**		0.26	U	0.24	U	0.26	U	**0.31**		**0.47**		0.27	U	0.28	U	0.28	U
Chlorobenzene	108-90-7	220	1	U	0.69	U	0.75	U	0.69	U	0.76	U	0.76	U	0.68	U	0.79	U	0.82	U	0.81	U
Chloroethane	75-00-3	5400	0.59	U	0.4	U	0.43	U	0.4	U	0.43	U	0.44	U	0.39	U	0.45	U	0.47	U	0.47	U
Chloroform	67-66-3	0.53	1.1	U	0.73	U	0.8	U	0.73	U	0.8	U	0.81	U	0.73	U	0.84	U	0.87	U	0.86	U
Chloromethane	74-87-3	18000	**1.5**		0.31	U	**0.67**		**1.8**	**J**	**1.4**	**J**	**0.99**		**1.3**		**1.1**	**J**	**1.2**	**J**	**2**	**J**
cis-1,2-Dichloroethylene	156-59-2	180	0.22	U	**0.65**		0.16	U	0.15	U	0.16	U	0.16	U	0.15	U	**0.2**		0.18	U	**0.35**	
cis-1,3-Dichloropropylene	10061-01-5	~	1	U	0.68	U	0.74	U	0.68	U	0.75	U	0.75	U	0.67	U	0.78	U	0.81	U	0.8	U
Cyclohexane	110-82-7	26000	0.77	U	**0.93**		**1.1**		**2.5**		**2.4**		**0.97**		0.51	U	0.59	U	**0.67**		0.61	U
Dibromochloromethane	124-48-1	0.87	1.9	U	1.3	U	1.4	U	1.3	U	1.4	U	1.4	U	1.3	U	1.5	U	1.5	U	1.5	U
Dichlorodifluoromethane	75-71-8	440	**1.6**		**2.9**		**2.7**		**1.1**		**0.98**		**3.9**		**2.9**		**2**		**2.3**		**2.3**	
Ethyl acetate	141-78-6	310	1.6	U	1.1	U	1.2	U	**5.4**		1.2	U	**2.7**		1.1	U	1.2	U	1.3	U	**2.9**	
Ethyl Benzene	100-41-4	4.9	0.97	U	**11**		**10**		**12**		**6**		0.72	U	0.64	U	0.75	U	0.77	U	**6.7**	
Hexachlorobutadiene	87-68-3	0.56	2.4	U	1.6	U	1.7	U	1.6	U	1.8	U	1.8	U	1.6	U	1.8	U	1.9	U	1.9	U
Isopropanol	67-63-0	880	**2.9**		**5.3**		**8.5**		**460**	**J**	**16**		**5.6**		**1.9**		**26**		**17**		**230**	**J**
Methyl Methacrylate	80-62-6	3100	0.92	U	**1**		**1.3**		0.62	U	0.67	U	0.68	U	0.61	U	0.7	U	0.73	U	0.72	U
Methyl tert-butyl ether (MTBE)	1634-04-4	47	0.81	U	0.54	U	0.59	U	0.54	U	0.59	U	0.6	U	0.54	U	0.62	U	0.64	U	0.64	U
Methylene chloride	75-09-2	1,200	**5.3**		**26**		**1.8**		**1.4**		1.1	U	**1.3**		**43**		1.2	U	1.2	U	**3.1**	
n-Heptane	142-82-5	1800	0.92	U	**4**		**5**		0.62	U	0.68	U	3.4	U	0.61	U	0.71	U	0.73	U	0.73	U
n-Hexane	110-54-3	3100	0.79	U	**3**		**4.1**		**10**		**5.5**		**4.3**		0.52	U	0.61	U	0.63	U	**1.3**	
o-Xylene	95-47-6	440	**1.2**		**17**		**17**		**20**		**16**		0.72	U	0.64	U	**0.9**		**1.1**		**10**	
p- & m- Xylenes	179601-23-1	440	**2.6**		**45**		**47**		**53**		**33**		**1.7**		1.3	U	**2.1**		**2.4**		**25**	
p-Ethyltoluene	622-96-8	~	1.1	U	**19**		**14**		**5.9**		**3.7**		**0.81**		0.73	U	0.85	U	0.87	U	**5.5**	
Propylene	115-07-1	13000	**6.5**		0.26	U	**13**		0.26	U	**1.3**		**2.1**		0.26	U	0.3	U	0.31	U	0.3	U
Styrene	100-42-5	4400	0.95	U	0.64	U	0.7	U	0.64	U	0.7	U	0.7	U	0.63	U	0.73	U	0.76	U	0.75	U
Tetrachloroethylene	127-18-4	47	1.5	U	**39**		**6**		**2.3**		**2.1**		**14**		1	U	**170**		1.2	U	1.2	U
Tetrahydrofuran	109-99-9	~	1.3	U	**10**		**3.2**		**8.3**		**3.6**		**2.9**		0.88	U	1	U	**2.5**		**21**	
Toluene	108-88-3	22000	**2**		**33**		**32**		**57**		**18**		**8.5**		**2.2**		**1.8**		**1.3**		**15**	
trans-1,2-Dichloroethylene	156-60-5	180	0.89	U	0.59	U	0.65	U	0.6	U	0.65	U	0.66	U	0.59	U	0.68	U	0.7	U	0.7	U
trans-1,3-Dichloropropylene	10061-02-6	~	1	U	0.68	U	0.74	U	0.68	U	0.75	U	0.75	U	0.67	U	0.78	U	0.81	U	0.8	U
Trichloroethylene	79-01-6	3	0.3	U	**0.97**		**1.3**		**0.81**		**1.1**		**2**		**0.4**		**18**		**17**		0.24	U
Trichlorofluoromethane (Freon 11)	75-69-4	~	1.3	U	**1.6**		**1.8**		**3.5**		0.93	U	**1.2**		**1.6**		**1.1**		**1**		**1.2**	
Vinyl acetate	108-05-4	3800	0.79	U	0.53	U	0.57	U	0.53	U	0.58	U	0.58	U	0.52	U	0.61	U	0.62	U	0.62	U
Vinyl bromide	593-60-2	1.1	0.98	U	0.66	U	0.71	U	0.66	U	0.72	U	0.72	U	0.65	U	0.75	U	0.78	U	0.77	U
Vinyl Chloride	75-01-4	2	0.29	U	0.19	U	0.21	U	0.19	U	0.21	U	0.21	U	0.19	U	0.22	U	0.23	U	0.23	U

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			PRE-SHUTDOWN 1															
Sample ID		Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SVE-A-090823		SVE-B-090823		SVE-C-090823		SVE-D-090823		SVE-INF-090823		SVE-CARBON-090823		SVE-EFF-090823	
York ID			23I0538-01		23I0538-02		23I0538-03		23I0538-04		23I0538-05		23I0538-06		23I0538-07	
Sampling Date			9/8/2023 2:14:00 PM		9/8/2023 2:15:00 PM		9/8/2023 2:11:00 PM		9/8/2023 2:10:00 PM		9/8/2023 2:07:00 PM		9/8/2023 2:15:00 PM		9/8/2023 2:20:00 PM	
Client Matrix			Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor			18		17.63		16.61		17.41		1.702		1.702		1.834	
1,1,1,2-Tetrachloroethane	630-20-6	2	12.4	U	12.1	U	11.4	U	12	U	1.17	U	1.17	U	**1.38**	
1,1,1-Trichloroethane	71-55-6	8100	**22.6**		**57.7**		**47.1**		**72.2**		**36.8**		**54**		**50.1**	
1,1,2,2-Tetrachloroethane	79-34-5	0.6	12.4	U	12.1	U	11.4	U	12	U	1.17	U	1.17	U	1.26	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	13.8	U	13.5	U	12.7	U	13.3	U	1.3	U	1.3	U	**2.53**	
1,1,2-Trichloroethane	79-00-5	0.77	9.82	U	9.62	U	9.06	U	9.5	U	0.929	U	0.929	U	**1.7**	
1,1-Dichloroethane	75-34-3	7.7	7.29	U	7.14	U	**8.07**		7.05	U	**5.99**		**6.68**		**8.83**	
1,1-Dichloroethylene	75-35-4	880	3.57	U	3.49	U	3.29	U	3.45	U	0.337	U	**0.607**		**1.38**	**J**
1,2,4-Trichlorobenzene	120-82-1	8.8	13.4	UJ	13.1	U	12.3	U	12.9	U	**2.53**		1.26	U	**1.63**	
1,2,4-Trimethylbenzene	95-63-6	260	8.85	U	8.67	U	8.17	U	8.56	U	**3.35**		**5.52**		**4.69**	
1,2-Dibromoethane	106-93-4	0.02	13.8	U	13.5	U	12.8	U	13.4	U	1.31	U	1.31	U	**1.83**	
1,2-Dichlorobenzene	95-50-1	880	10.8	U	10.6	U	9.99	U	10.5	U	1.02	U	1.02	U	**1.21**	
1,2-Dichloroethane	107-06-2	0.47	7.28	U	7.13	U	6.72	U	7.05	U	0.689	U	0.689	U	**0.891**	
1,2-Dichloropropane	78-87-5	3.3	8.32	U	8.15	U	7.68	U	8.04	U	0.786	U	0.786	U	**1.44**	
1,2-Dichlorotetrafluoroethane	76-14-2	~	12.6	U	12.3	U	11.6	U	12.2	U	1.19	U	1.19	U	**1.67**	
1,3,5-Trimethylbenzene	108-67-8	260	8.85	U	8.67	U	8.17	U	8.56	U	**1**		**1.84**		**2.52**	
1,3-Butadiene	106-99-0	~	11.9	U	11.7	U	11	U	11.6	U	1.13	U	1.13	U	1.22	U
1,3-Dichlorobenzene	541-73-1	~	10.8	U	10.6	U	9.99	U	10.5	U	**1.23**		**1.43**		**1.76**	
1,3-Dichloropropane	142-28-9	~	8.32	U	8.15	U	7.68	U	8.05	U	0.787	U	0.787	U	**1.19**	
1,4-Dichlorobenzene	106-46-7	1.1	10.8	U	10.6	U	9.99	U	10.5	U	1.02	U	1.02	U	1.1	U
1,4-Dioxane	123-91-1	2.5	13	U	12.7	U	12	U	12.5	U	1.23	U	1.23	U	**1.85**	**J**
2-Butanone	78-93-3	22000	**1140**		**1050**		**1420**		**1050**		**6.68**		**9.49**		**7.63**	
2-Hexanone	591-78-6	130	**92.2**		**84.5**		**107**		**80.6**		**1.74**		**3.35**		**2.7**	**J**
3-Chloropropene	107-05-1	2	28.2	U	27.6	U	26	U	27.2	U	2.66	U	2.66	U	2.87	U
4-Methyl-2-pentanone	108-10-1	13000	7.37	U	7.22	U	6.8	U	7.13	U	**1.26**		**2.02**		**3.08**	
Acetone	67-64-1	18000	**511**		**423**		**522**		**393**		**9.95**		**19.4**		**25**	
Acrylonitrile	107-13-1	0.18	3.91	U	3.83	U	3.6	U	3.78	U	0.369	U	0.369	U	**0.796**	
Benzene	71-43-2	1.6	5.75	U	5.63	U	5.31	U	5.56	U	**0.87**		**0.652**		**1.35**	**J**
Benzyl chloride	100-44-7	0.25	9.32	U	9.13	U	8.6	U	9.01	U	0.881	U	0.881	U	0.949	U
Bromodichloromethane	75-27-4	0.33	12.1	U	11.8	U	11.1	U	11.7	U	1.14	U	1.14	U	**2.46**	**J**
Bromoform	75-25-2	11	18.6	U	18.2	U	17.2	U	18	U	1.76	U	1.76	U	1.9	U
Bromomethane	74-83-9	22	6.99	UJ	6.85	U	6.45	U	6.76	U	0.661	U	0.661	U	**1.07**	
Carbon disulfide	75-15-0	3100	5.61	U	5.49	U	5.17	U	5.42	U	0.53	U	0.53	U	**1.2**	
Carbon tetrachloride	56-23-5	2	2.83	U	2.77	U	2.61	U	2.74	U	**0.321**		**0.428**		**1.15**	
Chlorobenzene	108-90-7	220	8.29	U	8.12	U	7.65	U	8.02	U	0.784	U	0.784	U	**1.1**	
Chloroethane	75-00-3	5400	4.75	U	4.65	U	4.38	U	4.59	U	0.449	U	0.449	U	**0.823**	
Chloroform	67-66-3	0.53	8.79	U	8.61	U	8.11	U	8.5	U	**1.33**		**1.08**		**1.79**	
Chloromethane	74-87-3	18000	3.72	U	3.64	U	3.43	U	3.6	U	**0.949**	**J**	**0.668**		**1.14**	
cis-1,2-Dichloroethylene	156-59-2	180	3.57	U	3.49	U	3.29	U	3.45	U	**1.89**		**0.675**		**1.6**	**J**
cis-1,3-Dichloropropylene	10061-01-5	~	8.17	U	8	U	7.54	U	7.9	U	0.772	U	0.772	U	**1.08**	
Cyclohexane	110-82-7	26000	6.2	U	6.07	U	5.72	U	5.99	U	0.586	U	**1.46**		**1.39**	
Dibromochloromethane	124-48-1	0.87	15.3	U	15	U	14.1	U	14.8	U	1.45	U	1.45	U	1.56	U
Dichlorodifluoromethane	75-71-8	440	8.9	U	8.72	U	8.21	U	8.61	U	0.842	U	**2.44**		**3.08**	
Ethyl acetate	141-78-6	310	13	U	12.7	U	12	U	12.5	U	1.23	U	1.23	U	**1.85**	
Ethyl Benzene	100-41-4	4.9	7.82	U	7.66	U	7.21	U	7.56	U	**2.66**		**4.66**		**5.02**	
Hexachlorobutadiene	87-68-3	0.56	19.2	UJ	18.8	UJ	17.7	UJ	18.6	UJ	1.82	UJ	1.82	U	**1.96**	
Isopropanol	67-63-0	880	**65**	**J**	**29.5**		**22**		**18.8**		**2.84**		**4.94**		**5.91**	
Methyl Methacrylate	80-62-6	3100	**8.84**		7.22	U	6.8	U	7.13	U	**0.836**		**1.25**		**2.55**	
Methyl tert-butyl ether (MTBE)	1634-04-4	47	6.49	U	6.36	U	5.99	U	6.28	U	0.614	U	0.614	U	**0.926**	
Methylene chloride	75-09-2	1,200	12.5	U	12.2	U	11.5	U	12.1	U	**2.25**		**3.19**		**7.01**	
n-Heptane	142-82-5	1800	7.38	U	7.23	U	6.81	U	7.14	U	**1.19**		**1.4**		**2.63**	**J**
n-Hexane	110-54-3	3100	6.34	U	6.21	U	5.85	U	6.14	U	**0.9**		**0.66**		**1.55**	**J**
o-Xylene	95-47-6	440	**9.38**		**8.42**		**7.93**		7.56	U	**4.43**		**7.76**		**7.01**	
p- & m- Xylenes	179601-23-1	440	**22.7**		**19.9**		**18**		**17.4**		**11**		**19.3**		**18.4**	
p-Ethyltoluene	622-96-8	~	8.85	U	8.67	U	8.17	U	8.56	U	**2.93**		**5.19**		**4.96**	
Propylene	115-07-1	13000	3.1	U	3.03	U	2.86	U	3	U	0.293	U	0.293	U	0.316	U
Styrene	100-42-5	4400	7.67	U	7.51	U	7.08	U	7.42	U	**4.57**		**7.54**		**8.98**	
Tetrachloroethylene	127-18-4	47	**69.6**		**98.1**		**96.9**		**55.5**		**114**		1.15	U	**1.74**	**J**
Tetrahydrofuran	109-99-9	~	26.5	U	26	U	24.5	U	25.7	U	2.51	U	2.51	U	**6.27**	
Toluene	108-88-3	22000	**14.2**		**13.3**		**14.4**		**13.8**		**7.7**		**13.7**		**15.4**	
trans-1,2-Dichloroethylene	156-60-5	180	7.14	U	6.99	U	6.59	U	6.9	U	0.675	U	0.675	U	**1.45**	
trans-1,3-Dichloropropylene	10061-02-6	~	8.17	U	8	U	7.54	U	7.9	U	0.772	U	0.772	U	**0.999**	
Trichloroethylene	79-01-6	3	**9.67**		**15.2**		**29.5**		**19.6**		**22.8**		**43.3**		**1.28**	**J**
Trichlorofluoromethane (Freon 11)	75-69-4	~	10.1	U	9.91	U	9.33	U	9.78	U	0.956	U	**2.3**		**3.09**	**J**
Vinyl acetate	108-05-4	3800	6.34	U	6.21	U	5.85	U	6.13	U	0.599	U	0.599	U	**1.1**	
Vinyl bromide	593-60-2	1.1	7.87	U	7.71	U	7.27	U	7.62	U	0.744	U	0.744	U	**1.04**	
Vinyl Chloride	75-01-4	2	2.3	U	2.25	U	2.12	U	2.23	U	0.218	U	0.218	U	**0.563**	

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			PRE-STARTUP 2															
Sample ID		Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SG-3-100623		SG-4R-100623		SG-5R-100623		SVE-A-100623		SVE-B-100623		SVE-C-100623		SVE-D-100623	
York ID			23J0509-05		23J0509-06		23J0509-07		23J0509-01		23J0509-02		23J0509-03		23J0509-04	
Sampling Date			10/6/2023 1:28:00 PM		10/6/2023 1:27:00 PM		10/6/2023 1:29:00 PM		10/6/2023 1:33:00 PM		10/6/2023 1:32:00 PM		10/6/2023 1:30:00 PM		10/6/2023 1:31:00 PM	
Client Matrix			Soil Vapor		Soil Vapor		Soil Vapor		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor			3.64		6.936		8.475		8.49		7.212		6.484		3.246	
1,1,1,2-Tetrachloroethane	630-20-6	2	2.5	U	4.8	U	5.8	U	5.8	U	5	U	4.5	U	2.2	U
1,1,1-Trichloroethane	71-55-6	8100	2	U	**6.4**		4.6	U	4.6	U	**4.7**		3.5	U	**3**	
1,1,2,2-Tetrachloroethane	79-34-5	0.6	2.5	U	4.8	U	5.8	U	5.8	U	5	U	4.5	U	2.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	2.8	U	5.3	U	6.5	U	6.5	U	5.5	U	5	U	2.5	U
1,1,2-Trichloroethane	79-00-5	0.77	2	U	3.8	U	4.6	U	4.6	U	3.9	U	3.5	U	1.8	U
1,1-Dichloroethane	75-34-3	7.7	1.5	U	2.8	U	3.4	U	3.4	U	2.9	U	2.6	U	1.3	U
1,1-Dichloroethylene	75-35-4	880	0.36	U	0.69	U	0.84	U	0.84	U	0.71	U	0.64	U	0.32	U
1,2,4-Trichlorobenzene	120-82-1	8.8	2.7	U	5.1	U	6.3	U	6.3	U	5.4	U	4.8	U	2.4	U
1,2,4-Trimethylbenzene	95-63-6	260	**5.2**		**4.4**		**6.2**		**5.4**		**6**		**5.1**		**5.9**	
1,2-Dibromoethane	106-93-4	0.02	2.8	U	5.3	U	6.5	U	6.5	U	5.5	U	5	U	2.5	U
1,2-Dichlorobenzene	95-50-1	880	2.2	U	4.2	U	5.1	U	5.1	U	4.3	U	3.9	U	2	U
1,2-Dichloroethane	107-06-2	0.47	1.5	U	2.8	U	3.4	U	3.4	U	2.9	U	2.6	U	1.3	U
1,2-Dichloropropane	78-87-5	3.3	1.7	U	3.2	U	3.9	U	3.9	U	3.3	U	3	U	1.5	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	2.5	U	4.8	U	5.9	UJ	5.9	UJ	5	U	4.5	U	2.3	U
1,3,5-Trimethylbenzene	108-67-8	260	1.8	U	3.4	U	4.2	U	4.2	U	3.5	U	3.2	U	1.6	U
1,3-Butadiene	106-99-0	~	2.4	U	4.6	U	5.6	U	5.6	U	4.8	U	4.3	U	2.2	U
1,3-Dichlorobenzene	541-73-1	~	2.2	U	4.2	U	5.1	U	5.1	U	4.3	U	3.9	U	2	U
1,3-Dichloropropane	142-28-9	~	1.7	U	3.2	U	3.9	U	3.9	U	3.3	U	3	U	1.5	U
1,4-Dichlorobenzene	106-46-7	1.1	2.2	U	4.2	U	5.1	U	5.1	U	4.3	U	3.9	U	2	U
1,4-Dioxane	123-91-1	2.5	2.6	U	5	U	6.1	U	6.1	U	5.2	U	4.7	U	2.3	U
2-Butanone	78-93-3	22000	**420**		**500**		**1000**		**610**		**610**		**440**		**470**	
2-Hexanone	591-78-6	130	**31**		**38**		**72**		**43**		**43**		**31**		**33**	
3-Chloropropene	107-05-1	2	5.7	U	11	U	13	U	13	U	11	U	10	U	5.1	U
4-Methyl-2-pentanone	108-10-1	13000	1.5	U	2.8	U	3.5	U	3.5	U	3	U	2.7	U	1.3	U
Acetone	67-64-1	18000	**150**		**200**		**380**		**240**		**240**		**180**		**180**	
Acrylonitrile	107-13-1	0.18	0.79	U	1.5	U	1.8	U	1.8	U	1.6	U	1.4	U	0.7	U
Benzene	71-43-2	1.6	**1.2**		2.2	U	2.7	U	**2.7**		**2.8**		2.1	U	**1.8**	
Benzyl chloride	100-44-7	0.25	1.9	U	3.6	U	4.4	U	4.4	U	3.7	U	3.4	U	1.7	U
Bromodichloromethane	75-27-4	0.33	2.4	U	4.6	U	5.7	U	5.7	U	4.8	U	4.3	U	2.2	U
Bromoform	75-25-2	11	3.8	U	7.2	U	8.8	U	8.8	U	7.5	U	6.7	U	3.4	U
Bromomethane	74-83-9	22	1.4	U	2.7	U	3.3	U	3.3	U	2.8	U	2.5	U	1.3	U
Carbon disulfide	75-15-0	3100	1.1	U	**3**		2.6	U	2.6	U	2.2	U	2	U	1	U
Carbon tetrachloride	56-23-5	2	0.57	U	1.1	U	1.3	U	1.3	U	1.1	U	1	U	0.51	U
Chlorobenzene	108-90-7	220	1.7	U	3.2	U	3.9	U	3.9	U	3.3	U	3	U	1.5	U
Chloroethane	75-00-3	5400	0.96	U	1.8	U	2.2	U	2.2	U	1.9	U	1.7	U	0.86	U
Chloroform	67-66-3	0.53	1.8	U	3.4	U	4.1	U	4.1	U	3.5	U	3.2	U	1.6	U
Chloromethane	74-87-3	18000	**1.4**	**J**	1.4	UJ	1.8	U	**1.8**		1.5	UJ	1.3	UJ	**0.74**	**J**
cis-1,2-Dichloroethylene	156-59-2	180	0.36	U	0.69	U	0.84	U	0.84	U	0.71	U	0.64	U	0.32	U
cis-1,3-Dichloropropylene	10061-01-5	~	1.7	U	3.1	U	3.8	U	3.9	U	3.3	U	2.9	U	1.5	U
Cyclohexane	110-82-7	26000	1.3	U	2.4	U	2.9	U	2.9	U	2.5	U	2.2	U	1.1	U
Dibromochloromethane	124-48-1	0.87	3.1	U	5.9	U	7.2	U	7.2	U	6.1	U	5.5	U	2.8	U
Dichlorodifluoromethane	75-71-8	440	**2.7**		3.4	U	4.2	U	4.2	U	3.6	U	3.2	U	**2.1**	
Ethyl acetate	141-78-6	310	2.6	U	5	U	6.1	U	6.1	U	5.2	U	4.7	U	2.3	U
Ethyl Benzene	100-41-4	4.9	**2.7**		**3.3**		**4**		**4.4**		**4.7**		**3.7**		**3.5**	
Hexachlorobutadiene	87-68-3	0.56	3.9	UJ	7.4	UJ	9	UJ	9.1	UJ	7.7	UJ	6.9	UJ	3.5	UJ
Isopropanol	67-63-0	880	**5.9**		**9.5**		**11**	**J**	**51**		**51**		**35**		**35**	
Methyl Methacrylate	80-62-6	3100	1.5	U	2.8	U	3.5	U	3.5	U	3	U	2.7	U	1.3	U
Methyl tert-butyl ether (MTBE)	1634-04-4	47	1.3	U	2.5	U	3.1	U	3.1	U	2.6	U	2.3	U	1.2	U
Methylene chloride	75-09-2	1,200	**26**		**22**		5.9	U	**7.7**		**7.3**		**7.7**		**9.2**	
n-Heptane	142-82-5	1800	1.5	U	2.8	U	3.5	U	3.5	U	3	U	2.7	U	1.3	U
n-Hexane	110-54-3	3100	1.3	U	2.4	U	3	U	**3**		**3.3**		**2.3**		**2.3**	
o-Xylene	95-47-6	440	**3.3**		**3.9**		**5.5**		**5.2**		**5.6**		**4.5**		**4.4**	
p- & m- Xylenes	179601-23-1	440	**11**		**13**		**15**		**16**		**18**		**13**		**13**	
p-Ethyltoluene	622-96-8	~	**3.4**		**3.8**		**5**		**4.6**		**5**		**4.1**		**4.5**	
Propylene	115-07-1	13000	**26**		**32**		1.5	U	1.5	U	**39**		**29**		**27**	
Styrene	100-42-5	4400	**2.3**		3	U	3.6	U	3.6	U	**3.4**		2.8	U	**2.5**	
Tetrachloroethylene	127-18-4	47	**17**		4.7	U	**5.7**		5.8	U	4.9	U	4.4	U	**2.2**	
Tetrahydrofuran	109-99-9	~	2.1	U	4.1	U	5	U	5	U	4.3	U	3.8	U	**2.8**	
Toluene	108-88-3	22000	**8.8**		**9.7**		**13**		**14**		**14**		**11**		**11**	
trans-1,2-Dichloroethylene	156-60-5	180	1.4	U	2.8	U	3.4	U	3.4	U	2.9	U	2.6	U	1.3	U
trans-1,3-Dichloropropylene	10061-02-6	~	1.7	U	3.1	U	3.8	U	3.9	U	3.3	U	2.9	U	1.5	U
Trichloroethylene	79-01-6	3	0.49	U	0.93	U	**1.8**		1.1	U	0.97	U	0.87	U	**0.52**	
Trichlorofluoromethane (Freon 11)	75-69-4	~	2	U	3.9	U	4.8	U	4.8	U	4.1	U	3.6	U	1.8	U
Vinyl acetate	108-05-4	3800	1.3	U	2.4	U	3	U	3	U	2.5	U	2.3	U	1.1	U
Vinyl bromide	593-60-2	1.1	1.6	U	3	U	3.7	U	3.7	U	3.2	U	2.8	U	1.4	U
Vinyl Chloride	75-01-4	2	0.47	U	0.89	U	1.1	U	1.1	U	0.92	U	0.83	U	0.41	U

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			PRE-SHUTDOWN 2													
Sample ID		Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SVE-A-110323		SVE-B-110323		SVE-C-110323		SVE-D-110323		SVE-INF-110323		SVE-CARBON-110323		SVE-EFF-110323	
York ID			23K0342-01		23K0342-02		23K0342-03		23K0342-04		23K0342-05		23K0342-06		23K0342-07	
Sampling Date			11/3/2023 12:45:00 PM		11/3/2023 12:46:00 PM		11/3/2023 1:00:00 PM		11/3/2023 1:01:00 PM		11/3/2023 12:01:00 PM		11/3/2023 12:29:00 PM		11/3/2023 12:33:00 PM	
Client Matrix			Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	**CAS Number**		**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Volatile Organics, EPA TO15 Full List		ug/m³	ug/m³		ug/m³		ug/m³		ug/m³		ug/m³		ug/m³		ug/m³	
Dilution Factor			1.513		1.818		3.722		3.712		1.408		1.712		1.632	
1,1,1,2-Tetrachloroethane	630-20-6	2	1.04	U	1.25	U	2.56	U	2.55	U	0.967	U	1.18	U	1.12	U
1,1,1-Trichloroethane	71-55-6	8100	0.826	U	**33.5**		**23.2**		**36.7**		**21.4**		**46.3**		**59.8**	
1,1,2,2-Tetrachloroethane	79-34-5	0.6	1.04	U	1.25	U	2.56	U	2.55	U	0.967	U	1.18	U	1.12	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	1.16	U	1.39	U	2.85	U	2.84	U	1.08	U	1.31	U	1.25	U
1,1,2-Trichloroethane	79-00-5	0.77	0.826	U	0.992	U	2.03	U	2.03	U	0.768	U	0.934	U	0.89	U
1,1-Dichloroethane	75-34-3	7.7	0.612	U	**2.65**		**3.77**		**4.21**		**2.79**		**4.92**		**6.47**	
1,1-Dichloroethylene	75-35-4	880	0.3	U	0.36	U	0.738	U	0.736	U	0.279	U	0.339	U	**0.324**	
1,2,4-Trichlorobenzene	120-82-1	8.8	2.25	U	2.7	U	5.52	U	5.51	U	2.09	U	2.54	U	2.42	U
1,2,4-Trimethylbenzene	95-63-6	260	**6.32**		**2.59**		**2.56**		**2.37**		**4.29**		**5.3**		**4.41**	
1,2-Dibromoethane	106-93-4	0.02	1.16	U	1.4	U	2.86	U	2.85	U	1.08	U	1.32	U	1.25	U
1,2-Dichlorobenzene	95-50-1	880	0.91	U	1.09	U	2.24	U	2.23	U	0.847	U	1.03	U	0.981	U
1,2-Dichloroethane	107-06-2	0.47	0.612	U	0.736	U	1.51	U	1.5	U	0.57	U	0.693	U	0.66	U
1,2-Dichloropropane	78-87-5	3.3	0.699	U	0.84	U	1.72	U	1.72	U	0.651	U	0.791	U	0.754	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	1.06	U	1.27	U	2.6	U	2.59	U	0.984	U	1.2	U	1.14	U
1,3,5-Trimethylbenzene	108-67-8	260	**1.79**		0.894	U	1.83	U	1.82	U	**1.45**		**1.77**		**1.36**	
1,3-Butadiene	106-99-0	~	1	U	1.21	U	2.47	U	2.46	U	0.934	U	1.14	U	1.08	U
1,3-Dichlorobenzene	541-73-1	~	**1.64**		1.09	U	2.24	U	2.23	U	0.847	U	1.03	U	0.981	U
1,3-Dichloropropane	142-28-9	~	0.699	U	0.84	U	1.72	U	1.72	U	0.651	U	0.791	U	0.754	U
1,4-Dichlorobenzene	106-46-7	1.1	0.91	U	1.09	U	2.24	U	2.23	U	0.847	U	1.03	U	0.981	U
1,4-Dioxane	123-91-1	2.5	1.09	U	1.31	U	2.68	U	2.68	U	1.01	U	1.23	U	1.18	U
2-Butanone	78-93-3	22000	**1.78**		**161**		**285**		**292**		**29.6**		**36.4**		**17.5**	
2-Hexanone	591-78-6	130	1.24	U	**20.2**		**34.3**		**33.1**		**7.61**		**9.61**		**5.08**	
3-Chloropropene	107-05-1	2	2.37	U	2.85	U	5.83	U	5.81	U	2.2	U	2.68	U	2.55	U
4-Methyl-2-pentanone	108-10-1	13000	0.62	U	0.745	U	1.52	U	1.52	U	0.577	U	0.701	U	0.669	U
Acetone	67-64-1	18000	**24.3**		**72**		**115**		**122**		**12.9**		**22**		**11.2**	
Acrylonitrile	107-13-1	0.18	0.328	U	**6.47**		0.808	U	0.806	U	**2.81**		0.372	U	0.354	U
Benzene	71-43-2	1.6	**2.32**		**2.61**		**2.73**		**2.96**		**0.675**		**0.711**		0.521	U
Benzyl chloride	100-44-7	0.25	0.783	U	0.941	U	1.93	U	1.92	U	0.729	U	0.886	U	0.845	U
Bromodichloromethane	75-27-4	0.33	1.01	U	1.22	U	2.49	U	2.49	U	0.943	U	1.15	U	1.09	U
Bromoform	75-25-2	11	1.56	UJ	1.88	UJ	3.85	UJ	3.84	UJ	1.46	UJ	1.77	UJ	1.69	UJ
Bromomethane	74-83-9	22	0.588	U	0.706	U	1.45	U	1.44	U	0.547	U	0.665	U	0.634	U
Carbon disulfide	75-15-0	3100	0.471	U	0.566	U	1.16	U	1.16	U	0.438	U	0.533	U	0.508	U
Carbon tetrachloride	56-23-5	2	**0.571**	**J**	**0.457**	**J**	0.585	U	0.584	U	**0.443**	**J**	0.269	U	0.257	U
Chlorobenzene	108-90-7	220	0.697	U	0.837	U	1.71	U	1.71	U	0.648	U	0.788	U	0.751	U
Chloroethane	75-00-3	5400	0.399	U	0.48	U	0.982	U	0.979	U	0.371	U	0.452	U	0.431	U
Chloroform	67-66-3	0.53	0.739	U	**0.976**		1.82	U	1.81	U	0.687	U	**0.836**		0.797	U
Chloromethane	74-87-3	18000	**1.91**	**J**	**1.5**	**J**	0.769	U	**0.767**	**J**	**0.698**	**J**	**0.813**	**J**	0.337	U
cis-1,2-Dichloroethylene	156-59-2	180	0.3	U	0.36	U	0.738	U	0.736	U	0.279	U	**0.339**		**0.582**	
cis-1,3-Dichloropropylene	10061-01-5	~	0.687	U	0.825	U	1.69	U	1.68	U	0.639	U	0.777	U	0.741	U
Cyclohexane	110-82-7	26000	**1.61**		0.626	U	1.28	U	1.28	U	0.485	U	**1.94**		**0.674**	
Dibromochloromethane	124-48-1	0.87	1.29	U	1.55	U	3.17	U	3.16	U	1.2	U	1.46	U	1.39	U
Dichlorodifluoromethane	75-71-8	440	**2.77**		**2.97**		**2.76**		**2.75**		**2.79**		**3.05**		**3.07**	
Ethyl acetate	141-78-6	310	1.09	U	1.31	U	2.68	U	2.68	U	1.01	U	1.23	U	1.18	U
Ethyl Benzene	100-41-4	4.9	**1.71**		**3**		**2.26**		**2.9**		**4.22**		**5.95**		**3.05**	
Hexachlorobutadiene	87-68-3	0.56	1.61	UJ	1.94	UJ	3.97	UJ	3.96	UJ	1.5	UJ	1.83	UJ	1.74	UJ
Isopropanol	67-63-0	880	**29.4**		**3.35**		**4.67**		**5.57**		**1.97**		**10.7**		**6.3**	
Methyl Methacrylate	80-62-6	3100	0.619	U	0.744	U	1.52	U	1.52	U	0.576	U	0.701	U	0.668	U
Methyl tert-butyl ether (MTBE)	1634-04-4	47	0.545	U	0.655	U	1.34	U	1.34	U	0.508	U	0.617	U	0.588	U
Methylene chloride	75-09-2	1,200	**1.94**		1.26	U	**3.62**		2.58	U	**2.49**		**6.48**		**3.68**	
n-Heptane	142-82-5	1800	0.62	U	0.745	U	1.53	U	1.52	U	0.577	U	**1.68**		0.669	U
n-Hexane	110-54-3	3100	**2.13**		**1.79**		**3.02**		**2.62**		**0.844**		**1.09**		0.575	U
o-Xylene	95-47-6	440	**3.74**		**3.39**		**2.75**		**3.22**		**5.87**		**8.03**		**4.39**	
p- & m- Xylenes	179601-23-1	440	**8.34**		**9.63**		**7.6**		**8.86**		**12.7**		**17.3**		**9.5**	
p-Ethyltoluene	622-96-8	~	**4.98**		**2.86**		**2.38**		**2.74**		**4.57**		**5.64**		**3.93**	
Propylene	115-07-1	13000	0.26	U	**14.8**		**25.7**		**24.3**		0.242	U	0.295	U	0.281	U
Styrene	100-42-5	4400	**2.19**	**J**	**23.3**	**J**	**13.3**	**J**	**17.7**	**J**	**2.16**	**J**	**2.63**	**J**	**1.39**	**J**
Tetrachloroethylene	127-18-4	47	1.03	U	**38.5**		**32.6**		**17.9**		**52.6**		1.16	U	1.11	U
Tetrahydrofuran	109-99-9	~	0.892	U	1.07	U	2.2	U	2.19	U	0.831	U	1.01	U	**2.6**	
Toluene	108-88-3	22000	**4.62**		**10.7**		**8.42**		**9.79**		**4.72**		**6.84**		**2.95**	
trans-1,2-Dichloroethylene	156-60-5	180	0.6	U	0.721	U	1.48	U	1.47	U	0.558	U	0.679	U	0.647	U
trans-1,3-Dichloropropylene	10061-02-6	~	0.687	U	0.825	U	1.69	U	1.68	U	0.639	U	0.777	U	0.741	U
Trichloroethylene	79-01-6	3	0.203	U	**6.55**		0.5	U	**6.98**		**8.17**		**25.8**		0.219	U
Trichlorofluoromethane (Freon 11)	75-69-4	~	**1.36**		**1.53**		2.09	U	2.09	U	**1.42**		**1.35**		**1.28**	
Vinyl acetate	108-05-4	3800	0.533	U	0.64	U	1.31	U	1.31	U	0.496	U	0.603	U	0.575	U
Vinyl bromide	593-60-2	1.1	0.662	U	0.795	U	1.63	U	1.62	U	0.616	U	0.749	U	0.714	U
Vinyl Chloride	75-01-4	2	0.193	U	0.232	U	0.476	U	0.474	U	0.18	U	0.219	U	0.209	U

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			30-DAY SAMPLING															
	Sample ID	Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SG-3-120123		SG-4R-120123		SG-5R-120123		SVE-A-120123		SVE-B-120123		SVE-C-120123		SVE-D-120123	
	York ID		23L0129-05		23L0129-06		23L0129-07		23L0129-01		23L0129-02		23L0129-03		23L0129-04	
	Sampling Date		12/1/2023 2:14:00 PM		12/1/2023 2:15:00 PM		12/1/2023 2:16:00 PM		12/1/2023 2:10:00 PM		12/1/2023 2:11:00 PM		12/1/2023 2:12:00 PM		12/1/2023 2:13:00 PM	
	Client Matrix		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor			1.539		1.695		1.693		1.793		1.482		1.573		1.652	
1,1,1,2-Tetrachloroethane	630-20-6	2	1.06	U	1.16	U	1.16	U	1.23	U	1.02	U	1.08	U	1.13	U
1,1,1-Trichloroethane	71-55-6	8100	0.84	U	**1.94**		0.924	U	**5.19**		**4.12**		**2.75**		**2.79**	
1,1,2,2-Tetrachloroethane	79-34-5	0.6	1.06	U	1.16	U	1.16	U	1.23	U	1.02	U	1.08	U	1.13	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	1.18	U	1.3	U	1.3	U	1.37	U	1.14	U	1.21	U	1.27	U
1,1,2-Trichloroethane	79-00-5	0.77	0.84	U	0.925	U	0.924	U	0.978	U	0.809	U	0.858	U	0.901	U
1,1-Dichloroethane	75-34-3	7.7	0.623	U	0.686	U	0.685	U	0.726	U	0.6	U	0.637	U	0.669	U
1,1-Dichloroethylene	75-35-4	880	0.305	U	0.336	U	0.336	U	0.355	U	0.294	U	0.312	U	0.327	U
1,2,4-Trichlorobenzene	120-82-1	8.8	1.14	UJ	1.26	UJ	1.26	UJ	1.33	UJ	1.1	UJ	1.17	UJ	1.23	UJ
1,2,4-Trimethylbenzene	95-63-6	260	**3.18**		**3.25**		**3.66**		**1.67**		**1.46**		**1.31**		**1.06**	
1,2-Dibromoethane	106-93-4	0.02	1.18	U	1.3	U	1.3	U	1.38	U	1.14	U	1.21	U	1.27	U
1,2-Dichlorobenzene	95-50-1	880	0.925	U	1.02	U	1.02	U	1.08	U	0.891	U	0.946	U	0.993	U
1,2-Dichloroethane	107-06-2	0.47	0.623	U	0.686	U	0.685	U	0.726	U	0.6	U	0.637	U	0.669	U
1,2-Dichloropropane	78-87-5	3.3	0.711	U	0.783	U	0.782	U	0.829	U	0.685	U	0.727	U	0.763	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	1.08	U	1.18	U	1.18	U	1.25	U	1.04	U	1.1	U	1.15	U
1,3,5-Trimethylbenzene	108-67-8	260	**0.757**		0.833	U	**0.916**		0.881	U	0.729	U	0.773	U	0.812	U
1,3-Butadiene	106-99-0	~	1.02	U	1.12	U	1.12	U	1.19	U	0.984	U	1.04	U	1.1	U
1,3-Dichlorobenzene	541-73-1	~	0.925	U	1.02	U	1.02	U	1.08	U	0.891	U	0.946	U	0.993	U
1,3-Dichloropropane	142-28-9	~	0.711	U	0.783	U	0.782	U	0.829	U	0.685	U	0.727	U	0.763	U
1,4-Dichlorobenzene	106-46-7	1.1	0.925	U	1.02	U	1.02	U	1.08	U	0.891	U	0.946	U	0.993	U
1,4-Dioxane	123-91-1	2.5	1.11	U	1.22	U	1.22	U	1.29	U	1.07	U	1.13	U	1.19	U
2-Butanone	78-93-3	22000	**5.67**		**4.3**		**6.49**		**14.2**		**13.8**		**12.2**		**12**	
2-Hexanone	591-78-6	130	1.26	U	1.39	U	1.39	U	**7.27**		**6.13**		**5.86**		**5.62**	
3-Chloropropene	107-05-1	2	2.41	U	2.65	U	2.65	U	2.81	U	2.32	U	2.46	U	2.59	U
4-Methyl-2-pentanone	108-10-1	13000	0.63	U	0.694	U	0.694	U	0.735	U	0.607	U	0.644	U	0.677	U
Acetone	67-64-1	18000	**14.2**		**4.87**		**13.6**		**16**		**61.9**		**14.4**		**8.91**	
Acrylonitrile	107-13-1	0.18	1	U	1.1	U	**13.3**		1.17	U	0.965	U	1.02	U	1.08	U
Benzene	71-43-2	1.6	**1.23**		0.541	U	**2.06**		**1.66**		**1.75**		**0.754**		**0.528**	
Benzyl chloride	100-44-7	0.25	0.797	U	**21.1**		**13.7**		0.928	U	0.767	U	0.814	U	0.855	U
Bromodichloromethane	75-27-4	0.33	1.03	U	1.14	U	1.13	U	1.2	U	0.993	U	1.05	U	1.11	U
Bromoform	75-25-2	11	1.59	U	1.75	U	1.75	U	1.85	U	1.53	U	1.63	U	1.71	U
Bromomethane	74-83-9	22	0.598	U	0.658	U	0.657	U	0.696	U	0.575	U	0.611	U	0.641	U
Carbon disulfide	75-15-0	3100	0.479	U	0.528	U	0.527	U	0.558	U	0.462	U	0.49	U	0.514	U
Carbon tetrachloride	56-23-5	2	**0.387**		**0.32**		0.266	U	**0.451**		**0.466**		**0.495**		**0.312**	
Chlorobenzene	108-90-7	220	0.709	U	0.78	U	0.779	U	0.825	U	0.682	U	0.724	U	0.761	U
Chloroethane	75-00-3	5400	0.406	U	0.447	U	0.447	U	0.473	U	0.391	U	0.415	U	0.436	U
Chloroform	67-66-3	0.53	0.751	U	0.828	U	0.827	U	0.875	U	0.724	U	0.768	U	0.807	U
Chloromethane	74-87-3	18000	**0.445**		0.35	UJ	0.35	UJ	**0.852**		**1.07**		**0.845**		0.341	U
cis-1,2-Dichloroethylene	156-59-2	180	0.305	U	0.336	U	**0.336**		0.355	U	**0.881**		**0.624**		0.327	U
cis-1,3-Dichloropropylene	10061-01-5	~	0.698	U	0.769	U	0.768	U	0.814	U	0.673	U	0.714	U	0.75	U
Cyclohexane	110-82-7	26000	0.53	U	0.583	U	0.583	U	**0.617**		**0.663**		0.541	U	0.569	U
Dibromochloromethane	124-48-1	0.87	1.31	U	1.44	U	1.44	U	1.53	U	1.26	U	1.34	U	1.41	U
Dichlorodifluoromethane	75-71-8	440	**2.44**		**2.18**		**2.34**		**1.68**		**1.69**		**2.26**		**1.72**	
Ethyl acetate	141-78-6	310	1.11	U	1.22	U	1.22	U	1.29	U	1.07	U	1.13	U	1.19	U
Ethyl Benzene	100-41-4	4.9	**1.6**		**1.4**		**3.09**		**0.779**		**0.837**		0.683	U	0.717	U
Hexachlorobutadiene	87-68-3	0.56	1.64	UJ	1.81	UJ	1.81	UJ	1.91	UJ	1.58	UJ	1.68	UJ	1.76	UJ
Isopropanol	67-63-0	880	**2.08**		**2.21**		**1.58**		**8.73**		**51**		**22.1**		**1.42**	
Methyl Methacrylate	80-62-6	3100	0.63	U	0.694	U	0.693	U	0.734	U	0.607	U	0.644	U	0.676	U
Methyl tert-butyl ether (MTBE)	1634-04-4	47	0.555	U	0.611	U	0.61	U	0.646	U	0.534	U	0.567	U	0.596	U
Methylene chloride	75-09-2	1,200	1.07	U	1.18	U	1.18	U	**1.74**		**1.75**		**1.26**		**1.21**	
n-Heptane	142-82-5	1800	**0.883**		0.695	U	0.694	U	**1.18**		**1.21**		**1.03**		0.677	U
n-Hexane	110-54-3	3100	**1.14**		0.597	U	**0.835**		**1.52**		**1.62**		**1.11**		**0.757**	
o-Xylene	95-47-6	440	**2.34**		**1.91**		**3.6**		**1.09**		**1.09**		**0.82**		0.717	U
p- & m- Xylenes	179601-23-1	440	**6.41**		**5.45**		**9.34**		**2.18**		**2.57**		**1.64**		**1.43**	
p-Ethyltoluene	622-96-8	~	**2.65**		**2.33**		**3.41**		**1.06**		**1.09**		0.773	U	0.812	U
Propylene	115-07-1	13000	**1.8**		**0.496**		0.291	U	**7.81**		0.255	U	0.271	U	0.284	U
Styrene	100-42-5	4400	**1.05**		**1.16**		**1.01**		0.764	U	0.631	U	**0.804**		0.704	U
Tetrachloroethylene	127-18-4	47	**2.82**		**1.95**		**2.99**		**7.05**		**7.54**		**5.23**		**1.57**	
Tetrahydrofuran	109-99-9	~	0.908	U	1	U	0.999	U	1.06	U	0.874	U	0.928	U	0.974	U
Toluene	108-88-3	22000	**5.05**		**4.22**		**7.02**		**3.18**		**4.58**		**2.96**		**1.25**	
trans-1,2-Dichloroethylene	156-60-5	180	0.61	U	0.672	U	0.671	U	0.711	U	0.588	U	0.624	U	0.655	U
trans-1,3-Dichloropropylene	10061-02-6	~	0.698	U	0.769	U	0.768	U	0.814	U	0.673	U	0.714	U	0.75	U
Trichloroethylene	79-01-6	3	0.207	U	0.228	U	**0.273**		**0.289**		**0.478**		**0.507**		0.222	U
Trichlorofluoromethane (Freon 11)	75-69-4	~	**1.38**		0.952	U	**1.33**		**1.01**		**0.999**		**1.33**		0.928	U
Vinyl acetate	108-05-4	3800	0.542	U	0.597	U	0.596	U	0.631	U	0.522	U	0.554	U	0.582	U
Vinyl bromide	593-60-2	1.1	0.673	U	0.741	U	0.741	U	0.784	U	0.648	U	0.688	U	0.723	U
Vinyl Chloride	75-01-4	2	0.197	UJ	0.217	UJ	0.216	UJ	0.229	U	0.189	U	0.201	U	0.211	UJ

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 3
Soil Vapor Extraction System - Soil Vapor Analytical Results By Event
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

ERM

			60-DAY SAMPLING															
	Sample ID	Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SG-3-010524		SG-4R-010524		SG-5R-010524		SVE-A-010524		SVE-B-010524		SVE-C-010524		SVE-D-010524	
	York ID		24A0411-01		24A0411-02		24A0411-03		24A0411-04		24A0411-05		24A0411-06		24A0411-07	
	Sampling Date		1/5/2024 12:13:00 PM		1/5/2024 12:15:00 PM		1/5/2024 12:16:00 PM		1/5/2024 12:17:00 PM		1/5/2024 12:18:00 PM		1/5/2024 1:30:00 PM		1/5/2024 12:22:00 PM	
	Client Matrix		Soil Vapor		Soil Vapor		Soil Vapor		Vapor Extraction		Vapor Extraction		Vapor Extraction		Vapor Extraction	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m³	ug/m³		ug/m³		ug/m³		ug/m³		ug/m³		ug/m³		ug/m³	
Dilution Factor			1.549		1.549		1.486		1.492		1.589		1.727		1.904	
1,1,1,2-Tetrachloroethane	630-20-6	2	1.1	U	1.1	U	1	U	1	U	1.1	U	1.2	U	1.3	U
1,1,1-Trichloroethane	71-55-6	8100	0.85	U	**1.6**		0.81	U	**0.9**		**0.87**		0.94	U	1	U
1,1,2,2-Tetrachloroethane	79-34-5	0.6	1.1	U	1.1	U	1	U	1	U	1.1	U	1.2	U	1.3	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	76-13-1	6700	1.2	U	1.2	U	1.1	U	1.1	U	1.2	U	1.3	U	1.5	U
1,1,2-Trichloroethane	79-00-5	0.77	0.85	U	0.85	U	0.81	U	0.81	U	0.87	U	0.94	U	1	U
1,1-Dichloroethane	75-34-3	7.7	0.63	U	0.63	U	0.6	U	0.6	U	0.64	U	0.7	U	0.77	U
1,1-Dichloroethylene	75-35-4	880	0.15	U	0.15	U	0.15	U	0.15	U	0.16	U	0.17	U	0.19	U
1,2,4-Trichlorobenzene	120-82-1	8.8	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	UJ	1.4	UJ
1,2,4-Trimethylbenzene	95-63-6	260	**2.4**		**3.2**		**1.8**		**1.8**		**1.6**		**1.2**		0.94	U
1,2-Dibromoethane	106-93-4	0.02	1.2	U	1.2	U	1.1	U	1.1	U	1.2	U	1.3	U	1.5	U
1,2-Dichlorobenzene	95-50-1	880	0.93	U	0.93	U	0.89	U	0.9	U	0.96	U	1	U	1.1	U
1,2-Dichloroethane	107-06-2	0.47	0.63	U	0.63	U	0.6	U	0.6	U	0.64	U	0.7	U	0.77	U
1,2-Dichloropropane	78-87-5	3.3	0.72	U	0.72	U	0.69	U	0.69	U	0.73	U	0.8	U	0.88	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	1.1	U	1.1	U	1	U	1	U	1.1	U	1.2	U	1.3	U
1,3,5-Trimethylbenzene	108-67-8	260	**0.84**		**0.84**		0.73	U	0.73	U	0.78	U	0.85	U	0.94	U
1,3-Butadiene	106-99-0	~	1	U	1	U	0.99	U	0.99	U	1.1	U	1.1	U	1.3	U
1,3-Dichlorobenzene	541-73-1	~	0.93	U	0.93	U	0.89	U	0.9	U	0.96	U	1	U	1.1	U
1,3-Dichloropropane	142-28-9	~	0.72	U	0.72	U	0.69	U	0.69	U	0.73	U	0.8	U	0.88	U
1,4-Dichlorobenzene	106-46-7	1.1	0.93	U	0.93	U	0.89	U	0.9	U	0.96	U	1	U	1.1	U
1,4-Dioxane	123-91-1	2.5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	UJ	1.4	UJ
2-Butanone	78-93-3	22000	**26**		**93**		**53**		**41**		**43**		**34**		**42**	**J**
2-Hexanone	591-78-6	130	**2.9**		**9.6**		**5.8**		**4**		**5.3**		**4.2**		**4.3**	**J**
3-Chloropropene	107-05-1	2	2.4	U	2.4	U	2.3	U	2.3	U	2.5	U	2.7	U	3	U
4-Methyl-2-pentanone	108-10-1	13000	0.63	U	0.63	U	0.61	U	0.61	U	0.65	U	0.71	U	0.78	U
Acetone	67-64-1	18000	**25**		**51**		**32**		**25**		**23**		**20**		**27**	**J**
Acrylonitrile	107-13-1	0.18	0.67	U	**0.67**		**1.9**		0.65	U	**1.1**		0.75	U	**0.83**	**J**
Benzene	71-43-2	1.6	**0.99**		0.49	U	0.47	U	**0.91**		**0.76**		0.55	U	**0.67**	**J**
Benzyl chloride	100-44-7	0.25	0.8	U	0.8	U	0.77	U	0.77	U	0.82	U	0.89	U	0.99	U
Bromodichloromethane	75-27-4	0.33	1	U	1	U	1	U	1	U	1.1	U	1.2	U	1.3	U
Bromoform	75-25-2	11	1.6	U	1.6	U	1.5	U	1.5	U	1.6	U	1.8	U	2	U
Bromomethane	74-83-9	22	0.6	U	0.6	U	0.58	U	0.58	U	0.62	U	0.67	U	0.74	U
Carbon disulfide	75-15-0	3100	0.48	U	**1.2**		0.46	U	0.46	U	0.49	U	0.54	U	0.59	U
Carbon tetrachloride	56-23-5	2	0.24	U	**0.39**		**0.37**		**0.38**		**0.4**		**0.33**		**0.36**	**J**
Chlorobenzene	108-90-7	220	0.71	U	0.71	U	0.68	U	0.69	U	0.73	U	0.8	U	0.88	U
Chloroethane	75-00-3	5400	0.41	U	0.41	U	0.39	U	0.39	U	0.42	U	0.46	U	0.5	U
Chloroform	67-66-3	0.53	0.76	U	0.76	U	0.73	U	0.73	U	**1.7**		0.84	U	0.93	U
Chloromethane	74-87-3	18000	**1.4**		0.32	U	**0.52**		**0.92**		**0.95**		**0.64**		**1.1**	**J**
cis-1,2-Dichloroethylene	156-59-2	180	0.15	U	0.15	U	0.15	U	0.15	U	**0.76**		0.17	U	**0.91**	**J**
cis-1,3-Dichloropropylene	10061-01-5	~	0.7	U	0.7	U	0.67	U	0.68	U	0.72	U	0.78	U	0.86	U
Cyclohexane	110-82-7	26000	0.53	U	0.53	U	0.51	U	**0.51**		**0.55**		0.59	U	0.66	U
Dibromochloromethane	124-48-1	0.87	1.3	U	1.3	U	1.3	U	1.3	U	1.4	U	1.5	U	1.6	U
Dichlorodifluoromethane	75-71-8	440	**2.8**		**2.7**		**2.7**		**1.6**		**1.6**		**1.6**		**1.5**	**J**
Ethyl acetate	141-78-6	310	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.4	U
Ethyl Benzene	100-41-4	4.9	**1**		**1**		**0.71**		**0.84**		0.69	U	0.75	U	0.83	U
Hexachlorobutadiene	87-68-3	0.56	1.7	U	1.7	U	1.6	U	1.6	U	1.7	U	1.8	UJ	2	UJ
Isopropanol	67-63-0	880	**1.1**		**1.3**		**1.7**		**0.95**		**0.98**		**0.89**		**1.1**	**J**
Methyl Methacrylate	80-62-6	3100	0.63	U	0.63	U	0.61	U	0.61	U	0.65	U	0.71	U	0.78	U
Methyl tert-butyl ether (MTBE)	1634-04-4	47	0.56	U	0.56	U	0.54	U	0.54	U	0.57	U	0.62	U	0.69	U
Methylene chloride	75-09-2	1,200	**1.6**		1.1	U	1	U	1	U	1.1	U	1.2	U	1.3	U
n-Heptane	142-82-5	1800	0.63	U	0.63	U	0.61	U	0.61	U	0.65	U	**0.71**		0.78	U
n-Hexane	110-54-3	3100	**0.76**		**0.55**		0.52	U	**1.4**		**1.4**		**0.85**		**1.3**	**J**
o-Xylene	95-47-6	440	**1.5**		**1.7**		**1.2**		**1.3**		**0.97**		0.75	U	**1.2**	**J**
p- & m- Xylenes	179601-23-1	440	**3.8**		**4.1**		**2.7**		**3.1**		**2.2**		1.5	U	**2.7**	**J**
p-Ethyltoluene	622-96-8	~	**1.9**		**2.2**		**1.3**		**1.5**		**1.2**		0.85	U	**1.2**	**J**
Propylene	115-07-1	13000	**3.3**		**8.3**		0.26	U	**4.8**		**4.5**		0.3	U	0.33	U
Styrene	100-42-5	4400	0.66	U	0.66	U	0.63	U	0.64	U	0.68	U	0.74	U	0.81	U
Tetrachloroethylene	127-18-4	47	1.1	U	**1.1**		1	U	1	U	**24**		**1.3**		**39**	**J**
Tetrahydrofuran	109-99-9	~	0.91	U	0.91	U	0.88	U	0.88	U	0.94	U	1	U	1.1	U
Toluene	108-88-3	22000	**2.5**		**1.9**		**1.6**		**2.2**		**1.7**		**1**		**1.7**	**J**
trans-1,2-Dichloroethylene	156-60-5	180	0.61	U	0.61	U	0.59	U	0.59	U	0.63	U	0.68	U	0.75	U
trans-1,3-Dichloropropylene	10061-02-6	~	0.7	U	0.7	U	0.67	U	0.68	U	0.72	U	0.78	U	0.86	U
Trichloroethylene	79-01-6	3	0.21	U	0.21	U	**0.24**		0.2	U	**0.6**		0.23	U	**0.82**	**J**
Trichlorofluoromethane (Freon 11)	75-69-4	~	**1.6**		**1.5**		**1.5**		**0.92**		**0.89**		0.97	U	**1.2**	**J**
Vinyl acetate	108-05-4	3800	0.55	U	0.55	U	0.52	U	0.53	U	0.56	U	0.61	U	0.67	U
Vinyl bromide	593-60-2	1.1	0.68	U	0.68	U	0.65	U	0.65	U	0.7	U	0.76	U	0.83	U
Vinyl Chloride	75-01-4	2	0.2	U	0.2	U	0.19	U	0.19	U	0.2	U	0.22	U	0.24	U

NOTES:

Detected	Compound was detected at the indicated concentration.
Exceeded	Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

Q is the Qualifier Column with definitions as follows:
No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.
UJ - 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
~ - Not available for this compound.

Table 4
Soil Vapor Extraction System - Statistical Summary of Soil Vapor Analytical Results
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

Compound	CAS Number	Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SG-3				SG-4R				SG-5R				SVE-A			
Detected Volatile Organics EPA TO15			**Average**	**Maximum**	**Minimum**	**Final**	**Average**	**Maximum**	**Minimum**	**Final**	**Average**	**Maximum**	**Minimum**	**Final**	**Average**	**Maximum**	**Minimum**	**Final**
1,1,1-Trichloroethane	71-55-6	22000	ND	ND	ND	ND	16.24	55.00	1.60	1.60	2.90	2.90	2.90	ND	7.82	22.60	0.90	0.90
1,1-Dichloroethane	75-34-3	7.7	ND	ND	ND	ND	7.40	7.40	7.40	ND	0.99	0.99	0.99	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	880	ND	ND	ND	ND	ND	ND	ND	ND	0.19	0.19	0.19	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	260	3.59	5.20	2.40	2.40	8.71	24.00	3.20	3.20	6.67	15.00	1.80	1.80	4.46	7.10	1.67	1.80
1,3,5-Trimethylbenzene	108-67-8	260	0.80	0.84	0.76	0.84	3.72	6.60	0.84	0.84	2.56	4.20	0.92	ND	1.85	1.90	1.79	ND
1,3-Dichlorobenzene	541-73-1	~	6.50	6.50	6.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.77	5.90	1.64	ND
1,4-Dioxane	123-91-1	2.5	ND	ND	ND	ND	ND	ND	ND	ND	20.00	20.00	20.00	ND	ND	ND	ND	ND
2-Butanone	78-93-3	22000	115.42	420.00	5.67	26.00	151.83	500.00	4.30	93.00	269.87	1000.00	6.49	53.00	305.66	1140.00	1.78	41.00
2-Hexanone	591-78-6	130	11.90	31.00	1.80	2.90	16.33	38.00	1.40	9.60	26.60	72.00	2.00	5.80	29.81	92.20	2.60	4.00
3-Chloropropene	107-05-1	2	3.50	3.50	3.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	13000	2.10	2.10	2.10	ND	ND	ND	ND	ND	20.00	20.00	20.00	ND	4.80	4.80	4.80	ND
Acetone	67-64-1	~	84.80	150.00	14.20	25.00	85.47	200.00	4.87	51.00	141.40	380.00	13.60	32.00	166.05	511.00	16.00	25.00
Acrylonitrile	107-13-1	0.18	0.49	0.49	0.49	ND	0.67	0.67	0.67	0.67	5.24	13.30	0.53	1.90	ND	ND	ND	ND
Benzene	71-43-2	1.6	1.21	1.40	0.99	0.99	3.10	3.10	3.10	ND	10.03	18.00	2.06	ND	3.92	12.00	0.91	0.91
Benzyl chloride	100-44-7	0.25	ND	ND	ND	ND	21.10	21.10	21.10	ND	13.70	13.70	13.70	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0	3100	ND	ND	ND	ND	2.73	4.00	1.20	1.20	1.80	1.80	1.80	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	2	0.39	0.39	0.39	ND	0.39	0.47	0.32	0.39	0.37	0.37	0.37	0.37	0.47	0.57	0.38	0.38
Chloroform	67-66-3	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	390	1.19	1.50	0.45	1.40	ND	ND	ND	ND	0.60	0.67	0.52	0.52	1.37	1.91	0.85	0.92
cis-1,2-Dichloroethylene	156-59-2	180	ND	ND	ND	ND	0.65	0.65	0.65	ND	0.34	0.34	0.34	ND	ND	0.00	0.00	ND
cis-1,3-Dichloropropylene	10061-01-5	~	ND	ND	ND	ND	0.68	0.68	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	26000	ND	ND	ND	ND	0.93	0.93	0.93	ND	1.10	1.10	1.10	ND	1.31	2.50	0.51	0.51
Dibromochloromethane	124-48-1	~	ND	ND	ND	ND	1.30	1.30	1.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	440	2.39	2.80	1.60	2.80	2.59	2.90	2.18	2.70	2.58	2.70	2.34	2.70	2.02	2.77	1.60	1.60
Ethyl acetate	141-78-6	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.40	5.40	5.40	ND
Ethyl Benzene	100-41-4	4.9	1.77	2.70	1.00	1.00	4.18	11.00	1.00	1.00	4.45	10.00	0.71	0.71	3.95	12.00	0.78	0.84
Isopropanol	67-63-0	880	3.00	5.90	1.10	1.10	4.58	9.50	1.30	1.30	5.70	11.00	1.58	1.70	102.51	460.00	0.95	0.95
Methyl Methacrylate	80-62-6	3100	ND	ND	ND	ND	1.00	1.00	1.00	ND	1.30	1.30	1.30	ND	8.84	8.84	8.84	ND
Methylene chloride	75-09-2	1200	10.97	26.00	1.60	1.60	24.00	26.00	22.00	ND	1.80	1.80	1.80	ND	3.20	7.70	1.40	ND
n-Heptane	142-82-5	1800	0.88	0.88	0.88	ND	4.00	4.00	4.00	ND	5.00	5.00	5.00	ND	1.18	1.18	1.18	ND
n-Hexane	110-54-3	3100	0.95	1.14	0.76	0.76	1.78	3.00	0.55	0.55	2.47	4.10	0.84	ND	3.61	10.00	1.40	1.40
o-Xylene	95-47-6	440	2.09	3.30	1.20	1.50	6.13	17.00	1.70	1.70	6.83	17.00	1.20	1.20	6.79	20.00	1.09	1.30
p- & m- Xylenes	179601-23-1	440	5.95	11.00	2.60	3.80	16.89	45.00	4.10	4.10	18.51	47.00	2.70	2.70	17.55	53.00	2.18	3.10
p-Ethyltoluene	622-96-8	~	2.65	3.40	1.90	1.90	6.83	19.00	2.20	2.20	5.93	14.00	1.30	1.30	3.61	5.90	1.06	1.50
Propylene	115-07-1	13000	9.40	26.00	1.80	3.30	13.60	32.00	0.50	8.30	13.00	13.00	13.00	ND	6.31	7.81	4.80	4.80
Styrene	100-42-5	4400	1.68	2.30	1.05	ND	1.16	1.16	1.16	ND	1.01	1.01	1.01	ND	2.19	2.19	2.19	ND
Tetrachloroethylene	127-18-4	47	9.91	17.00	2.82	ND	14.02	39.00	1.10	1.10	4.90	6.00	2.99	ND	26.32	69.60	2.30	ND
Tetrahydrofuran	109-99-9	8800	ND	ND	ND	ND	10.00	10.00	10.00	ND	3.20	3.20	3.20	ND	8.30	8.30	8.30	ND
Toluene	108-88-3	22000	4.59	8.80	2.00	2.50	12.21	33.00	1.90	1.90	13.41	32.00	1.60	1.60	15.87	57.00	2.20	2.20
Trichloroethylene	79-01-6	3	ND	ND	ND	ND	0.97	0.97	0.97	ND	0.90	1.80	0.24	0.24	3.59	9.67	0.29	ND
Trichlorofluoromethane (Freon 11)	75-69-4	~	1.49	1.60	1.38	1.60	1.55	1.60	1.50	1.50	1.54	1.80	1.33	1.50	1.70	3.50	0.92	0.92

NOTES:
~ - Not available for this compound.

Exceeded Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

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.

Table 4
Soil Vapor Extraction System - Statistical Summary of Soil Vapor Analytical Results
Site 130100 AK Allen
Steel Equities - 225-255 East 2nd Street, Mineola, NY

Compound	CAS Number	Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06) (HQ=1) November 2023	SVE-B				SVE-C				SVE-D				SVE-INF			
Detected Volatile Organics EPA TO15			Average	Maximum	Minimum	Final	Average	Maximum	Minimum	Final	Average	Maximum	Minimum	Final	Average	Maximum	Minimum	Final
1,1,1-Trichloroethane	71-55-6	22000	17.32	57.70	0.87	0.87	21.26	47.10	2.75	ND	28.67	72.20	2.79	ND	46.07	80.00	21.40	21.40
1,1-Dichloroethane	75-34-3	7.7	2.65	2.65	2.65	ND	4.48	8.07	1.60	ND	4.21	4.21	4.21	ND	5.49	7.70	2.79	2.79
1,1-Dichloroethylene	75-35-4	880	ND	ND	ND	ND	0.20	0.20	0.20	ND	ND	ND	ND	ND	0.20	0.20	0.20	ND
1,2,4-Trichlorobenzene	120-82-1	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.53	2.53	2.53	ND
1,2,4-Trimethylbenzene	95-63-6	260	3.47	6.00	1.46	1.60	2.25	5.10	1.10	1.20	3.11	5.90	1.06	ND	3.82	4.29	3.35	4.29
1,3,5-Trimethylbenzene	108-67-8	260	1.50	1.50	1.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.23	1.45	1.00	1.45
1,3-Dichlorobenzene	541-73-1	~	ND	ND	ND	ND	1.80	1.80	1.80	ND	ND	ND	ND	ND	2.32	3.40	1.23	ND
1,4-Dioxane	123-91-1	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78-93-3	22000	313.97	1050.00	6.00	43.00	366.73	1420.00	9.20	34.00	311.18	1050.00	1.10	42.00	12.53	29.60	1.30	29.60
2-Hexanone	591-78-6	130	31.83	84.50	5.30	5.30	36.47	107.00	4.20	4.20	31.32	80.60	4.30	4.30	4.68	7.61	1.74	7.61
3-Chloropropene	107-05-1	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	13000	6.80	6.80	6.80	ND	1.70	1.70	1.70	ND	ND	ND	ND	ND	1.26	1.26	1.26	ND
Acetone	67-64-1	~	139.48	423.00	17.00	23.00	148.40	522.00	14.40	20.00	122.94	393.00	6.70	27.00	10.18	12.90	7.70	12.90
Acrylonitrile	107-13-1	0.18	3.79	6.47	1.10	1.10	0.36	0.36	0.36	ND	0.83	0.83	0.83	0.83	2.81	2.81	2.81	2.81
Benzene	71-43-2	1.6	4.78	16.00	0.76	0.76	1.49	2.73	0.75	ND	1.41	2.96	0.53	0.67	0.77	0.87	0.68	0.68
Benzyl chloride	100-44-7	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0	3100	ND	ND	ND	ND	1.90	1.90	1.90	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	2	0.44	0.47	0.40	0.40	0.38	0.50	0.31	0.33	0.38	0.47	0.31	0.36	0.38	0.44	0.32	0.44
Chloroform	67-66-3	0.53	1.34	1.70	0.98	1.70	ND	ND	ND	ND	ND	0.00	0.00	ND	1.33	1.33	1.33	ND
Chloromethane	74-87-3	390	1.23	1.50	0.95	0.95	0.83	0.99	0.64	0.64	0.98	1.30	0.74	1.10	0.92	1.10	0.70	0.70
cis-1,2-Dichloroethylene	156-59-2	180	0.82	0.88	0.76	0.76	0.62	0.62	0.62	ND	0.91	0.91	0.91	0.91	1.05	1.89	0.20	ND
cis-1,3-Dichloropropylene	10061-01-5	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	26000	1.20	2.40	0.55	0.55	0.97	0.97	0.97	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	~	ND	0.00	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	440	1.81	2.97	0.98	1.60	2.63	3.90	1.60	1.60	2.19	2.90	1.50	1.50	2.40	2.79	2.00	2.79
Ethyl acetate	141-78-6	310	ND	ND	ND	ND	2.70	2.70	2.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	100-41-4	4.9	3.63	6.00	0.84	ND	2.98	3.70	2.26	ND	3.20	3.50	2.90	ND	3.44	4.22	2.66	4.22
Isopropanol	67-63-0	880	25.31	51.00	0.98	0.98	15.04	35.00	0.89	0.89	10.63	35.00	1.10	1.10	10.27	26.00	1.97	1.97
Methyl Methacrylate	80-62-6	3100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	0.84	0.84	ND
Methylene chloride	75-09-2	1200	4.53	7.30	1.75	ND	3.47	7.70	1.26	ND	17.80	43.00	1.21	ND	2.37	2.49	2.25	2.49
n-Heptane	142-82-5	1800	1.21	1.21	1.21	ND	0.87	1.03	0.71	0.71	ND	ND	ND	ND	1.19	1.19	1.19	ND
n-Hexane	110-54-3	3100	2.72	5.50	1.40	1.40	2.32	4.30	0.85	0.85	1.74	2.62	0.76	1.30	0.87	0.90	0.84	0.84
o-Xylene	95-47-6	440	5.91	16.00	0.97	0.97	4.00	7.93	0.82	ND	2.94	4.40	1.20	1.20	3.73	5.87	0.90	5.87
p- & m- Xylenes	179601-23-1	440	14.22	33.00	2.20	2.20	8.39	18.00	1.64	ND	10.49	17.40	2.70	2.70	8.60	12.70	2.10	12.70
p-Ethyltoluene	622-96-8	~	2.77	5.00	1.09	1.20	2.43	4.10	0.81	ND	2.81	4.50	1.20	1.20	3.75	4.57	2.93	4.57
Propylene	115-07-1	13000	14.90	39.00	1.30	4.50	18.93	29.00	2.10	ND	25.65	27.00	24.30	ND	ND	ND	ND	ND
Styrene	100-42-5	4400	13.35	23.30	3.40	ND	7.05	13.30	0.80	ND	10.10	17.70	2.50	ND	3.37	4.57	2.16	2.16
Tetrachloroethylene	127-18-4	47	34.05	98.10	2.10	24.00	30.01	96.90	1.30	1.30	23.23	55.50	1.57	39.00	112.20	170.00	52.60	52.60
Tetrahydrofuran	109-99-9	8800	3.60	3.60	3.60	ND	2.90	2.90	2.90	ND	2.80	2.80	2.80	ND	ND	ND	ND	ND
Toluene	108-88-3	22000	10.38	18.00	1.70	1.70	7.71	14.40	1.00	1.00	6.62	13.80	1.25	1.70	4.74	7.70	1.80	4.72
Trichloroethylene	79-01-6	3	4.79	15.20	0.48	0.60	10.67	29.50	0.51	ND	5.66	19.60	0.40	0.82	16.32	22.80	8.17	8.17
Trichlorofluoromethane (Freon 11)	75-69-4	~	1.14	1.53	0.89	0.89	1.27	1.33	1.20	ND	1.40	1.60	1.20	1.20	1.26	1.42	1.10	1.42

NOTES:
~ - Not available for this compound.

Exceeded Results flagged as "Exceed" if any detected concentraton exceeds respective screening criteria.

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.

APPENDIX CONTENTS LIST

APPENDIX A

SSDS PILOT TEST, START-UP, AND INDOOR AIR SAMPLING REPORT & SSDS OPERATIONS AND MAINTENANCE PLAN PREPARED BY NAC CONSULTANTS INC. AND NICHOLAS A. ANDRIANAS, P.E. FOR 2021, 2022 & 2023

2020

SSDS Pilot Test Data
255 East 2nd Street
Mineola, New York
July 29th, 2020
Table 1

Run 1 Pilot Test Start- 10:15

Background Data				
	TSSV-1	TSSV-2	TSSV-3	TSSV-4
" WC	-0.010	-0.002	0.000	0.000

GP- 501 Data Collected at 11:15	
"WC	-3.547
CFM	30.000

Run 1 Data Collected @ 11:25				
	TSSV-1	TSSV-2	TSSV-3	TSSV-4
" WC	-0.045	-0.038	-0.046	-0.008

Notes:
"WC- Inches water column
SVE system on Site was in operation during the Pilot test
Barometric Pressure @ 10:51 29.94 "Hg and falling

2020

SSDS Pilot Test Data
255 East 2nd Street
Mineola, New York
July 29th, 2020
Table 2

Run 1 Pilot Test Start- 12:00

Background Data						
	TSSV-1	TSSV-2	TSSV-3	TSSV-4	TSSV-5	TSSV-6
" WC	-0.035	-0.018	-0.005	-0.010	-0.020	-0.005

GP- 501 Data Collected at 13:00	
"WC	-3.674
CFM	20.000

Run 1 Data Collected @ 13:10						
	TSSV-1	TSSV-2	TSSV-3	TSSV-4	TSSV-5	TSSV-6
" WC	-0.103	-0.032	-0.065	-0.016	-0.048	-0.005

Notes:
"WC- Inches water column
SVE system on Site was in operation during the Pilot test
Barometric Pressure @ 12:51 29.93 "Hg and falling

2020

SSDS Start-up Results
255 East 2nd Street
Mineola, New York
November 19, 2020
Table 3

Sub-Slab Vapor Implants										
	SSVI-1	**SSVI-2**	**SSVI-3**	**SSVI-4**	**SSVI-5**	**SSVI-6**	**SSVI-7**	**SSVI-8**	**SSVI-9**	**SSVI-10**
"WC	-0.054	-0.075	-0.179	-0.418	-0.010	-0.030	-0.083	-0.019	-0.066	-0.035
	SSVI-11	**SSVI-12**	**SSVI-13**	**SSVI-14**	**SSVI-15**	**SSVI-16**	**SSVI-17**	**SSVI-18**	**SSVI-19**	**SSVI-20**
"WC	-0.068	-0.106	-0.468	-0.066	-0.064	-0.025	-0.061	-0.049	-0.171	-0.099
	TSSVI-1									
"WC	-0.053									

Notes:
"WC- Inches Water Coulmn
SSVI- sub-slab vapor implant
TSSVI- temporary sub-slab vapor implant
Data collected using a Fluke Digitial Manonmeter
Data collected on November 19, 2020

Sub-Slab Depressurization Suction Pits										
	SSD-1	**SSD-2**	**SSD-3**	**SSD-4**	**SSD-5**	**SSD-6**	**SSD-7**	**SSD-8**	**SSD-9**	**SSD-10**
"WC	-3.866	-4.228	-3.956	-1.389	-3.510	-4.280	-3.956	-3.109	-4.156	-3.866
CFM	15	10	10	70	30	10	10	50	10	20
	SSD-11	**SSD-12**	**SSD-13**	**SSD-14**	**SSD-15**	**SSD-16**	**SSD-17**	**SSD-18**	**SSD-19**	**SSD-20**
"WC	-2.801	-4.204	-4.174	-4.106	N/A	-4.215	-4.058	-3.158	-4.104	-4.118
CFM	60	10	10	10	N/A	10	10	50	10	10
	SSD-21	**SSD-22**	**SSD-23**	**SSD-24**	**SSD-25**	**SSD-26**	**SSD-27**	**SSD-28**		
"WC	-4.319	-4.264	-4.266	-4.300	-4.275	-3.359	-3.545	-3.903		
CFM	10	10	10	10	10	42	30	10		

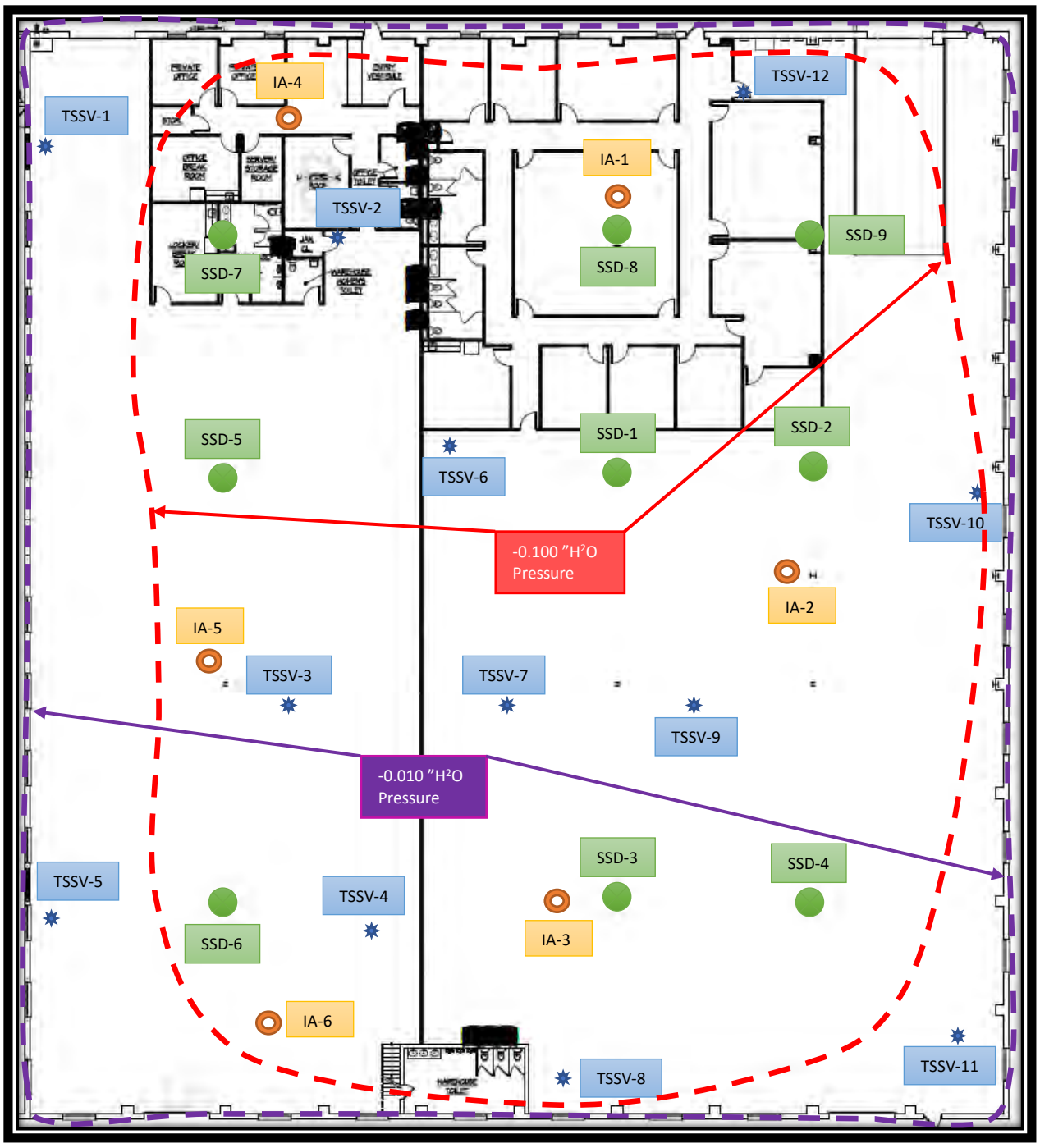
Notes:
"WC- Inches Water Coulmn
CFM- Cubic Feet per Minute
Data collected using a Fluke Digitial Manonmeter
Data collected on November 19, 2020

2020

Standard Tin Smith Tenant Space - Hitachi Tenant Space - Lasership Tenant Space -

Figure 1
Tenant Spaces 225-255
East 2nd Street
Mineola, New York

2020



Ambient Air - Temporary Sub-Slab Vapor Implant - Sub-Slab Depressurization Well -

-0.010 "H2O Pressure Contour - -0.100 "H2O Pressure Contour -

Figure 2
Start-up Testing Locations
255 East 2nd Street
Mineola, New York

2020

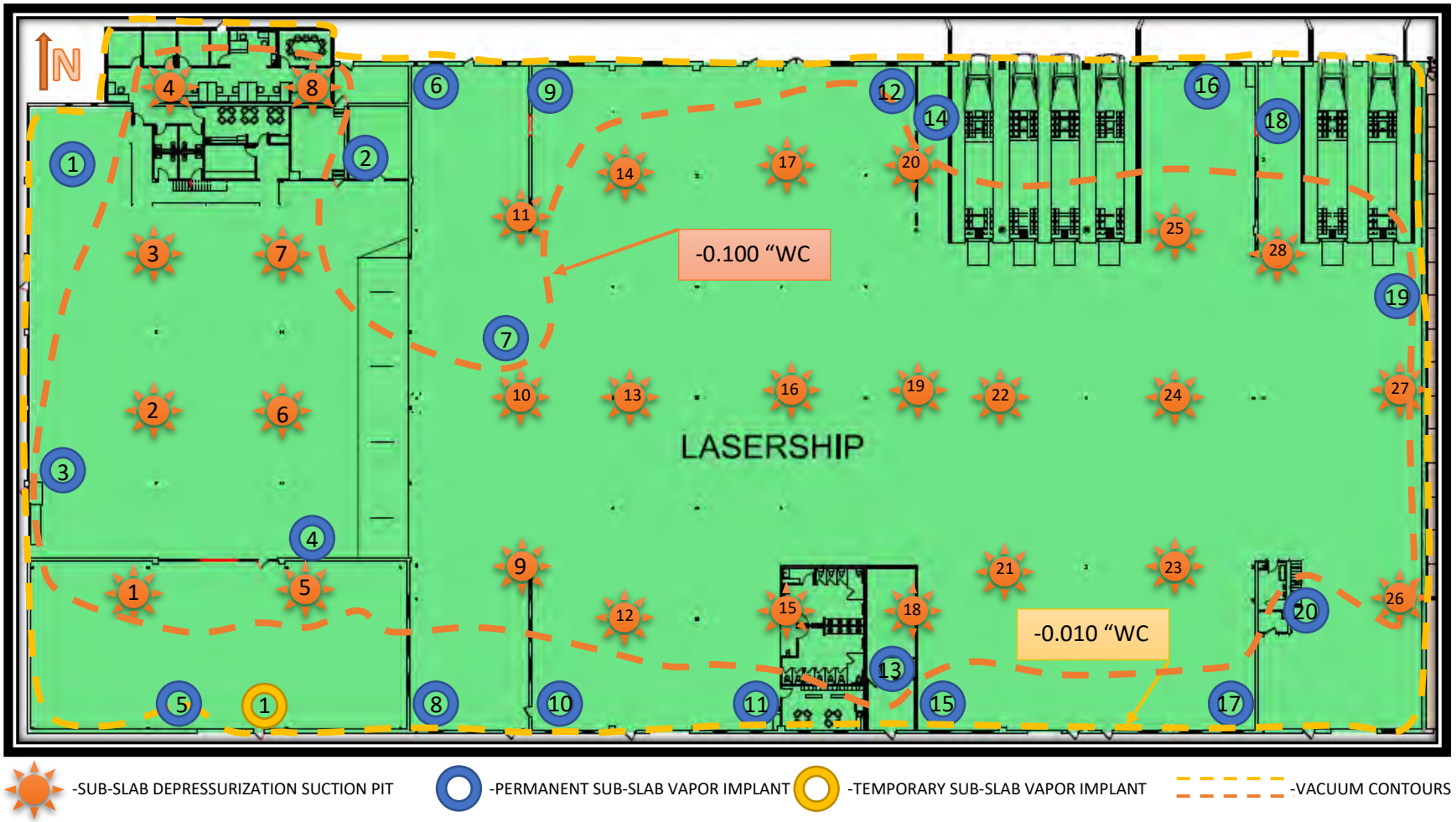


FIGURE 3

SSDS START-UP LAYOUT

255 EAST 2ND STREET

MINEOLA, NEW YORK

NICHOLAS A. ANDRIANAS, P.E.

2021

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log

Dates From:August 2020 to August 2021

		Monthly Inspection												
		Aug-20	**September**	**October**	**November**	**December**	**January**	**Februray**	**March**	**April**	**May**	**June**	**July**	**Aug-21**
SSDS BLOWER Nos-1-38 SVE BLOWER	Inspected By	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	
	BLOWER IN SERVICE Yes/No (Add Notes)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	SSDS-5 & SSDS-25 temporarily not in service , damaged piping/floor	yes

Sub-slab point	LASERSHIP TENANT SPACE SUB-SLAB VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC) AUGUST 4, 2021												
TSSV-1	0.091												
TSSV-2	NA												
TSSV-3	0.256												
TSSV-4	0.556												
TSSV-5	0.01												
TSSV-6	0.026												
TSSV-7	NA												
TSSV-8	0.936												
TSSV-9	NA												
TSSV-10	0.061												
TSSV-11	NA												
TSSV-12	0.125												
TSSV-13	NA												
TSSV-14	NA												
TSSV-15	0.097												
TSSV-16	NA												
TSSV-17	NA												
TSSV-18	NA												
TSSV-19	0.113												
TSSV-20	0.124												

Remarks:

NA-NOT ACCESSIBLE

Sub-slab vacuum measured by N.A. Andrianas P.E.

NICHOLAS A. ANDRIANAS,P.E.

2021

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log

Sub-slab point	STANDARD TINSMITH & HITACHI TENANT SPACE SUB-SLAB VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC) AUGUST 4, 2021													
TSSV-1	NA													
TSSV-2	0.16													
TSSV-3	NA													
TSSV-4	0.8													
TSSV-5	NA													
TSSV-6	NA													
TSSV-7	NA													
TSSV-8	0.115													
TSSV-9	NA													
TSSV-10	NA													
TSSV-11	0.081													
TSSV-12	**NA**													

Remarks:

NA-NOT ACCESSIBLE

NICHOLAS A. ANDRIANAS, P.E.

2021

255 East 2nd Street
Mineola, New York
Sub-Slab Depressurization System

Defective Equipment & Repair Log

Dates From:August 2020 To:August 2021

Inspection Date	Defective Part(s)	Affected Area(s)	Cause	Repairs &/or Replacement Part(s) Installed	Installation Date
7/12/2021	SSDS -25 PIPING @Floor slab joint	SSDS-25	Laser Ship Forklift damaged protective barrier and piping	Concrete floor removal needed to access piping and replace broken piping and fittings	Scheduled for September 2021
7/30/2021	SSDS-5 Floor slab damaged by forklift	SSDS-5	Standard Tinsmith forklift damage to floor slab cracked at SSDS pit	Must remove slab at SSDS reinforce and replace	scheduled for September 2021

Remarks:

2022

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log
STANDARD TINSMITH & HITACHI TENANT SPACE SUB-SLAB VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC)

Sub-slab point	4-Aug-21	7/27/2022	8/11/2022											
TSSV-1	NA		**0.022**											
TSSV-1A			**0.084**											
TSSV-2	0.16	**NA**												
TSSV-3	NA	**NA**	**NA**											
TSSV-4	0.8		**0.177**											
TSSV-5	NA	**NA**												
TSSV-6	NA	**NA**												
TSSV-7	NA	**NA**												
TSSV-8	0.115	**NA**												
TSSV-9	NA	**NA**												
TSSV-10	NA	**NA**												
TSSV-11	0.081	**0.07**												
TSSV-12	**NA**	**0.15**												

Remarks:
NA-NOT ACCESSIBLE

2022

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log

Dates From:August 2020 to August 2022

		Monthly Inspection												
		Aug-20	**September**	**October**	**November**	**December**	**January**	**Februray**	**March**	**April**	**May**	**June**	**July**	
SSDS BLOWER Nos-1-38 SVE BLOWER	Inspected By	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	
	BLOWER IN SERVICE Yes/No (Add Notes)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	SSDS-5 & SSDS-25 temporarily not in service , damaged piping/floor repaired October 2021	
		Aug-21	**September**	**October**	**November**	**December**	**January**	**Februray**	**March**	**April**	**May**	**June**	**July**	**Aug-22**
SSDS BLOWER Nos-1-38 SVE BLOWER	Inspected By	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	
	BLOWER IN SERVICE Yes/No (Add Notes)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	

Sub-slab point	LASERSHIP AUGUST 4, 2021	LASERSHIP 7/27/2022												
TSSV-1	0.091	**0.119**												
TSSV-2	NA	**0.19**												
TSSV-3	0.256	**NA**												
TSSV-4	0.556	**NA**												
TSSV-5	0.01	**NA**												
TSSV-6	0.026	**0.029**												
TSSV-7	NA	**0.404**												
TSSV-8	0.936	**NA**												
TSSV-9	NA	**0.11**												
TSSV-10	0.061	**0.061**												
TSSV-11	NA	**NA**												
TSSV-12	0.125	**NA**												
TSSV-13	NA	**NA**												
TSSV-14	NA	**0.125**												
TSSV-15	0.097	**0.049**												
TSSV-16	NA	**NA**												
TSSV-17	NA	**0.046**												
TSSV-18	NA	**0.125**												

TSSV-19	0.113	**NA**													
TSSV-20	0.124	**0.113**													

Remarks:

NA-NOT ACCESSIBLE

Sub-slab vacuum measured by N.A. Andrianas P.E. (FLUKE Micromanometer)

2023

N

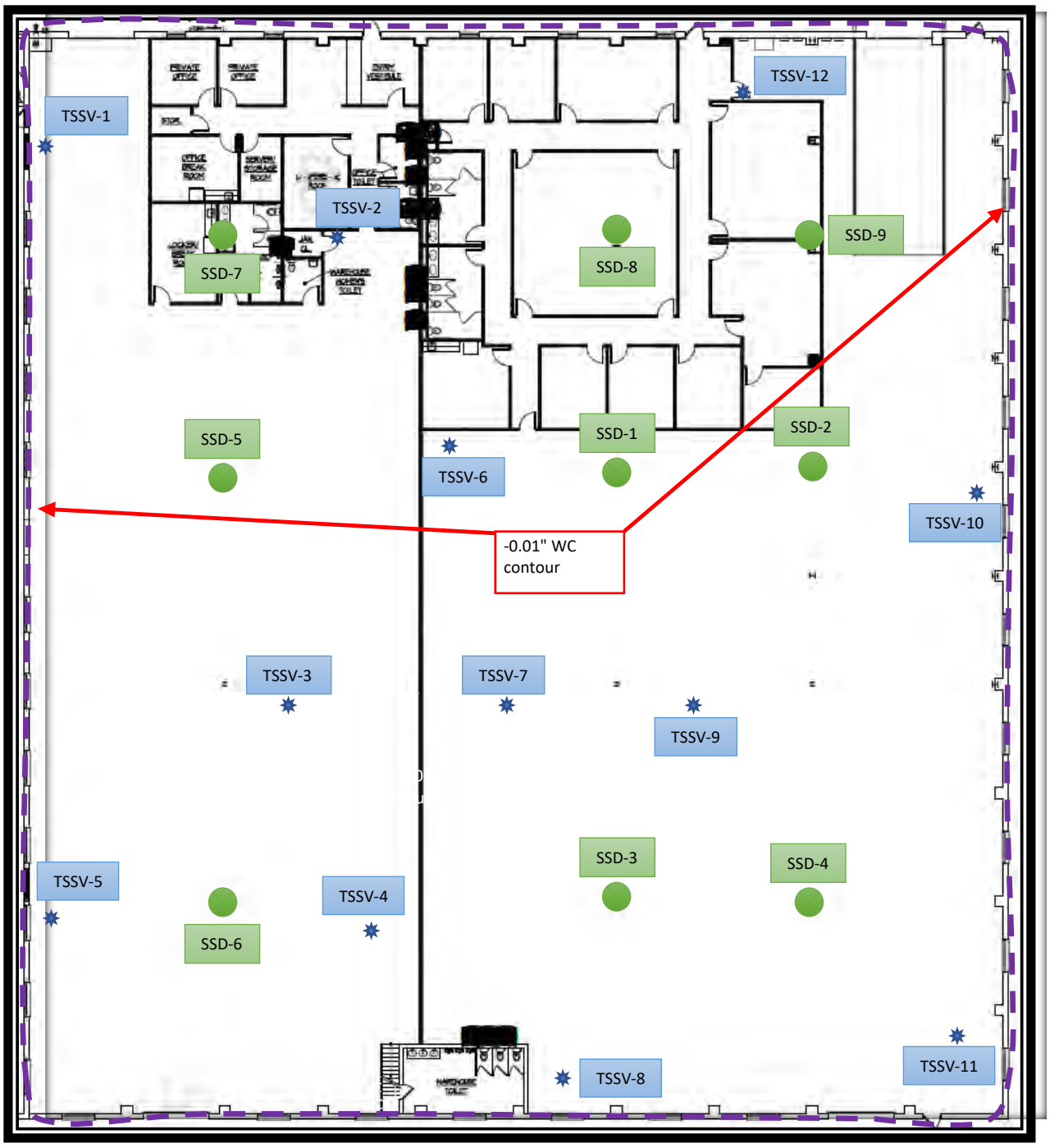


Figure 2 SSDS Standard
Tinsmith-Hitachi
255 East 2nd Street
Mineola, New York

Vacuum Contour Based on September 13, 2023 Sub-slab Vacuum Measurements and Suction Point Vacuum Measurements (refer to logs)

2023

N

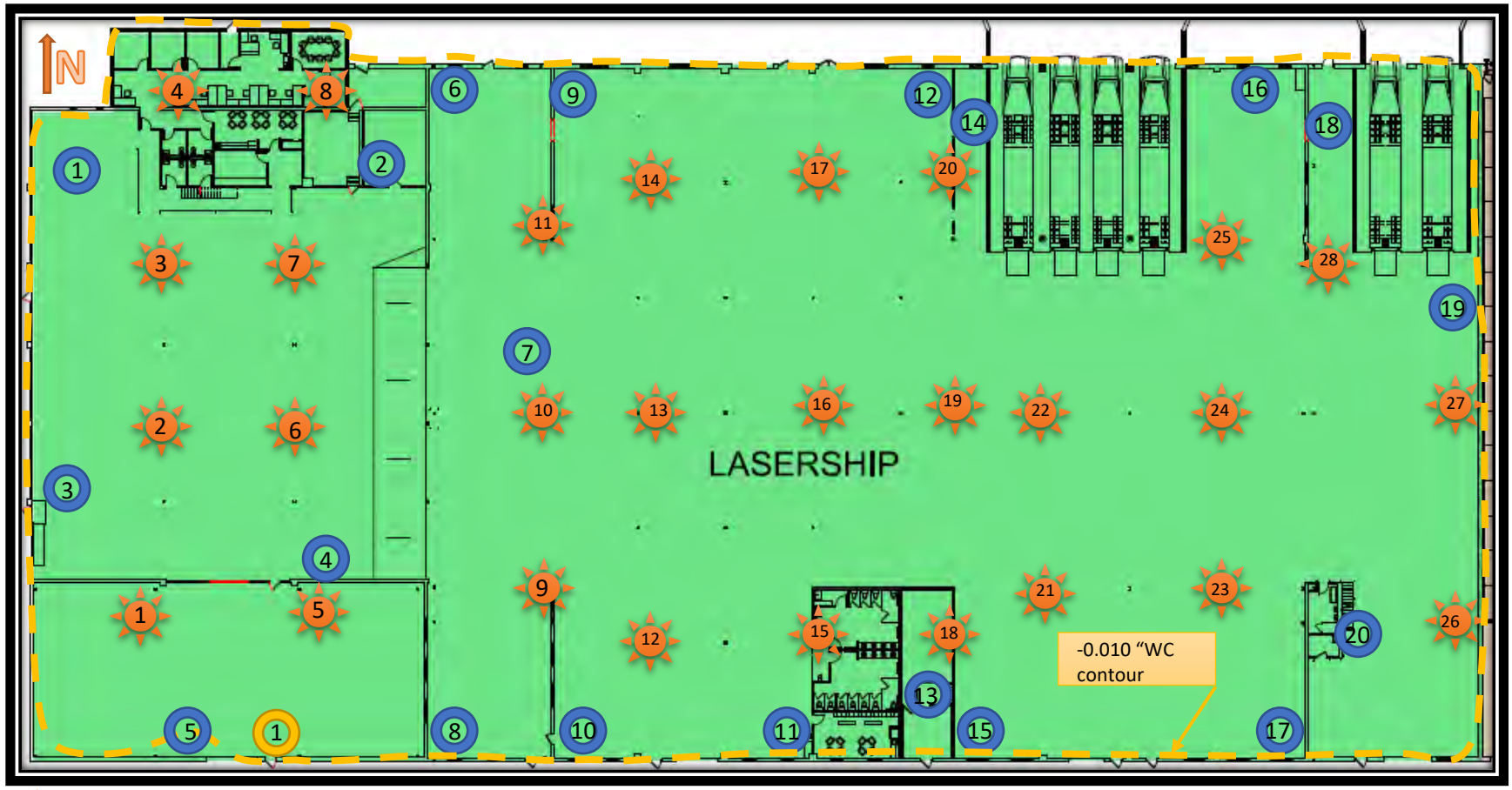


FIGURE 0

SSDS

255 EAST 2ND STREET

MINEOLA, NEW YORK

Vacuum Contour Based on September 13, 2023 Sub-slab Vacuum Measurements and Suction Point Vacuum Measurements (refer to logs)

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log

Dates From:August 2022 to August 2023

		Monthly Inspection												
		August	**September**	**October**	**November**	**December**	**January**	**Februray**	**March**	**April**	**May**	**June**	**July**	**Auguest**
	Inspected By	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	F. Joti	
SSDS BLOWER Nos-1-38 SVE BLOWER	BLOWER IN SERVICE Yes/No (Add Notes)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	SSDS 2 off for piping service	

Sub-slab point	LASERSHIP 08/042021	LASERSHIP 7/27/2022	LASERSHIP 9/13/2023											
SSV-1	0.091	0.119	0.13											
SSV-2	NA	0.19	NA											
SSV-3	0.256	NA	0.192											
SSV-4	0.556	NA	0.548											
SSV-5	0.01	NA	NA											
SSV-6	0.026	0.029	NA											
SSV-7	NA	0.404	NA											
SSV-8	0.936	NA	NA											
SSV-9	NA	0.11	NA											
SSV-10	0.061	0.061	0.058											
SSV-11	NA	NA	NA											
SSV-12	0.125	NA	0.131											
SSV-13	NA	NA	NA											
SSV-14	NA	0.125	NA											
SSV-15	0.097	0.049	NA											
SSV-16	NA	NA	NA											
SSV-17	NA	0.046	0.037											
SSV-18	NA	0.125	0.139											
SSV-19	0.113	NA	NA											
SSV-20	0.124	0.113	0.102											

Remarks:
NA-NOT ACCESSIBLE
Sub-slab vacuum measured with FLUKE Micromanometer)
SUB-SLAB permanent point measurements

2023

NICHOLAS A. ANDRIANAS,P.E.

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log

STANDARD TINSMITH & HITACHI TENANT SPACE SUB-SLAB VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC)

Sub-slab point	8/4/2021	7/27/2022	8/11/2022	9/13/2023										
TSSV-1	NA		**0.022**	**NA**										
TSSV-1A			**0.084**	**NA**										
TSSV-2	0.16	**NA**		**NA**										
TSSV-3	NA	**NA**	**NA**	**NA**										
TSSV-4	0.8		**0.177**	**0.124**										
TSSV-5	NA	**NA**		**NA**										
TSSV-6	NA	**NA**		**0.32**										
TSSV-7	NA	**NA**		**NA**										
TSSV-8	0.115	**NA**		**NA**										
TSSV-9	NA	**NA**		**NA**										
TSSV-10	NA	**NA**		**0.048**										
TSSV-11	0.081	**0.07**		**0.424**										
TSSV-12	**NA**	**0.15**		**NA**										

Remarks:

NA-NOT ACCESSIBLE

2023

NICHOLAS A. ANDRIANAS,P.E.

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log
LASERSHIP SSDS SUCTION POINT VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC)

SSD	9/13/2023													
SSD-1	3.704													
SSD-2	no vacuum see notes													
SSD-3	3.618													
SSD-4	NA													
SSD-5	3.406													
SSD-6	3.906													
SSD-7	3.632													
SSD-8	NA													
SSD-9	3.835													
SSD-10	3.896													
SSD-11	3.556													
SSD-12	3.894													
SSD-13	3.951													
SSD-14	3.885													
SSD-15	NA													
SSD-16	3.726													
SSD-17	3.817													
SSD-18	3.139													
SSD-19	3.714													
SSD-20	3.812													
SSD-21	3.946													
SSD-22	3.949													
SSD-23	3.938													
SSD-24	3.916													
SSD-25	NA													
SSD-26	3.216													
SSD-27	3.397													
SSD-28	3.354													

Remarks:

NA-NOT ACCESSIBLE

No Vacuum-Blower turned off for damaged piping repair

Vavuum measured with Fluke micromanometer

NICHOLAS A. ANDRIANAS,P.E.

2023

255 East 2ND Street
Mineola, New York
Sub-Slab Depressurization System

System Operation Log
HITACHI-STANDARD TINSMITH SSDS SUCTION POINT VACUUM MEASUREMENTS (INCHES WATER COLUMN, WC)

SSD	9/13/2023													
SSD-1	3.661													
SSD-2	3.661													
SSD-3	3.278													
SSD-4	3.384													
SSD-5	2.731													
	see note													
SSD-6	NA													
SSD-7	NA													
SSD-8	NA													

Remarks:
NA-NOT ACCESSIBLE
Floor cracks to be repairedat SSD-5
Vacuum measured with Fluke micromanometer

SUB-SLAB DEPRESSURIZATION SYSTEM

OPERATION and MAINTENANCE PLAN

225-255 EAST 2ND STREET
MINEOLA, NEW YORK 11501

JULY 2020
Revised January 2021

Prepared By: Nicholas A. Andrianas, P.E.
For:

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(631) 265-9073 FAX

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FIGURES

APPENDICES

1.0 INTRODUCTION

The Site Management Plan for 255 East Second Street, Mineola, New York will be modified to include a sub-slab depressurization system (SSDS) for the occupied space in the building. This O&M plan addresses the SSDS installed at the occupied Lasership, Standard Tinsmith, and the Hitachi tenant spaces at 255 East Second Street Mineola, New York. The tenant spaces are shown on Figure 1. If there are any substantial changes to the interior layout of the tenant spaces due to renovations, then this O&M plan will be updated to incorporate any substantial changes to the SSDS.

The objectives of this plan are summarized as follows:

1. Describe the components of the SSDS.

2. Describe the procedures to operate, monitor and maintain the SSDS.

Section 2 of this OM&M plan provides a site description including site location. The SSDS is described in Section 3 and Section 4 presents the sampling and analyses to be performed. Section 5 describes the system startup and shutdown procedures and site maintenance and inspections. The reports to be prepared for sampling, analyses and inspections are described in Section 6.

2.0 SITE DESCRIPTION

2.1 Site Location and Description

The Site is located at 255 East Second Street in the Village of Mineola, Town of North Hempstead, County of Nassau, New York and is identified as Section 9 Block 437, Lots 466 & 467 and Section 9, Block 663, Lots 4A, 4B & 5 on the Nassau County Tax Map. The Site is approximately 4.15 acres bounded by East Second Street to the north, the Long Island Railroad (LIRR) tracks to the south, an industrial building property to the east and an industrial building to the west. The building on the property is a one-story slab on grade building approximately 120,000 square feet. The building was constructed in several sections over time, separated by foundations and spread footings. Paved driveways are located to the east and west of the building and paved parking is located along the northern side of the building and the south side of the building. A small area at the building's main entrance is landscaped with grass and trees. The building is occupied by tenants Lasership, Standard Tinsmith, and Hitachi and is in industrial use.

The SSDS shall be specified as part of the remedy for the Site.

3.0 SSDS DESIGN

The mitigative objective of the sub-slab depressurization (SSDS) system is to prevent soil vapor intrusion into the building by creating negative pressure below the building slab and within the building foundation footprint. The soil vapor intrusion investigation sampling results during the due diligence period confirmed that a vapor intrusion preferential pathway to indoor air is potentially present. Mitigative measures are required to depressurize the soil void space immediately below the floor slab in accordance with the NYSDOH guidelines.

The SSDS was placed into operation for the Standard Tinsmith and Hitachi tenant spaces in February 2020 prior to tenant occupancy. The SSDS was designed based on the site's specific features and pilot test results. The pilot test was performed by **NAC CONSULTANTS, INC. (NAC)** and established a radius of influence for sub-slab vacuum of approximately 40 feet at 0.010 inches WC within the Standard Tinsmith and the Hitachi spaces. The SSDS for the present two tenants in the eastern section of the building consists of 9 Radonaway, GP501 Radon Fan Pro Series blowers individually connected to sub-slab depressurization suction pits located in the building as shown on Figure 2. The suction pits are 3 ft by 3 ft by 1 ft deep and are installed below the building slab. The concrete slab was sawcut and removed to install the suction pits. The concrete floor slab was replaced over the pits. The pits are fabricated of steel with angle iron framed number 13 expanded metal with ½-inch by 1-inch openings attached to the angle iron frame supports. The suction pits were installed on a 3-inch thick concrete support slab placed approximately 2 feet below the existing floor slab. Pea gravel was backfilled around the suction pit. A galvanized metal deck was installed on the top of the suction pit to support the concrete building slab. A 4-inch diameter, Schedule 40 PVC pipe connects the suction pit to the roof mounted blower and the piping is back pitched to the suction pit to minimize condensate accumulation in the piping. The SSDS suction pit layout is shown on Figure 2.

The SSDS was placed into service for the Lasership tenant space in November 2020 prior to tenant occupancy. The SSDS was designed based on the site's specific features and pilot test results. The pilot test was performed by **NAC** and established a radius of influence for sub-slab vacuum of approximately 45 feet at 0.010 inches WC within the Lasership tenant space. The full scale SSDS

for the Lasership tenant space consists of 28 Radonaway, GP501 Radon Fan Pro Series blowers individually connected to sub-slab depressurization suction pits located in the building as shown on Figure 3. All suction pits, except numbers 4 and 8, are 3 ft by 3 ft by 1 ft deep installed below the building slab. The concrete slab was sawcut and removed to install the suction pits. The concrete floor slab was replaced over the pits. The pits are fabricated of steel with angle iron framed number 13 expanded metal with ½-inch by 1-inch openings attached to the angle iron frame supports. The suction pits were installed on a 3-inch thick concrete support slab placed approximately 2 feet below the existing floor slab. Pea gravel was backfilled around the suction pit. A galvanized metal deck was installed on the top of the suction pit to support the concrete building slab. Suction pits numbers 4 and 8 were installed in the office area. Based on construction constraints and the small size of the office building area, the suctions pit numbers 4 and 8 consist of 2-1/2 feet of 20 slot well screen set in pea gravel to a depth of 2 feet below the concrete floor slab. A 4-inch diameter, Schedule 40 PVC pipe connects each suction pit to a roof mounted blower and the piping is back pitched to the suction pit to minimize condensate accumulation in the piping. The SSDS suction pit layout is shown on Figure 2. The typical SSDS suction pit construction is shown on Figure 4.

The SSDS blowers discharge to the atmosphere through stacks installed at the roof above the highest roof elevation and at least 20 feet from any air handler unit intake or building opening.

Each SSDS blower is hard wired to a separate 110V circuit breaker and a disconnect switch is located at the blower for service and electrical code compliance.

The SSDS blower detail is shown schematically on Figure 5. Photographs of the suction pits are attached.

The SSDS mitigative measures at the Site included sealing potential and/or known pathways for vapor migration to significantly improve the effectiveness of the SSD system, because it limits the flow of subsurface vapors into the building. Joints, cracks and other penetrations of slabs, floor assemblies and foundation walls below or in contact with the ground surface, were sealed with flexible caulking materials that prevents air leakage as needed. The concrete floor slab must be

maintained in good condition.

The SSDS startup vacuum sampling and indoor air sampling was completed on July 18, 2020 for Standard Tinsmith and Hitachi, and November 19, 2020 for Lasership tenant spaces. Sub-slab vacuum measurements were obtained at temporary and permanent sub-slab soil vapor implants (SSVI) throughout the occupied tenant spaces in the eastern end of the building. The vacuum measurements confirmed that the SSDS meets the remedial design objectives and the vacuum field extends to the footprint of the tenant spaces. Indoor air samples for Standard Tinsmith and Hitachi were collected and confirmed that site related VOCs are not present at concentrations above NYSDOH guidelines. The startup results are attached.

4.0 SAMPLING AND ANALYSIS

4.1 Sub-Slab and Indoor Air Monitoring

Sub-slab soil vapor and indoor air samples will be collected and analyzed for VOCs to track the SSDS operation. The sampling data will be compared to the VOC concentration decision matrices in the NYSDOH "October 2006, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" guidance document. The indoor air sample detection limits for trichloroethene, carbon tetrachloride and vinyl chloride will be 0.25 micrograms per cubic meter (mcg/m^3) or less and the NYSDOH Air Guideline Value for TCE mitigation is 2 mcg/m^3.

The sampling procedures are provided in Appendix C.

5.0 SITE OPERATION, MAINTENANCE AND INSPECTION

5.1 Site Management

NAC CONSULTANTS, INC. (NAC) will perform field activities such as sample collection and oversee the monitoring and maintenance of the remediation system.

5.2 SSDS Operation and Maintenance

5.2.1 SSDS Startup and Shutdown

The SSDS is designed to provide negative pressure below the floor slab and run continuously.

There are 37 SSDS blowers and the blowers are connected to separate branch circuit breaker located in the electrical panel in the building.

Start up and Shut Down Steps

1. Turn the circuits breakers to the “on” position.

2. Check the vacuum at each suction point riser. The vacuum should be greater than 3 inches WC.

3. Check the air flow at each SSDS blower using a pitot tube attachment on the micromanometer. The flow rate should be equal to or greater than the startup flow recorded in the attached report.

4. Check the vacuum at temporary and permanent SSVI points with a micromanometer. The vacuum should be 0.005 inches WC or greater.

5. If it is necessary to shut down the blowers, then turn the circuit breakers to the "off" position, tag and lockout the electrical panel and disconnect switch as required by OSHA Lockout Tagout regulations.

5.3 Maintenance Activities

5.3.1 Site Access and Security

The SSDS components are secured inside the facility, or located on the exterior walls and roof of the building and the site is fenced.

5.3.2 Leaks

A photoionization air monitor (PID) will be used to screen air quality during routine maintenance. The indoor SSDS pipe fittings will be checked for leaks with a PID. Leaks will be recorded, and corrective measures will be taken accordingly and logged.

5.3.3 SSDS Equipment Maintenance

The SSDS equipment will be inspected for damage. Maintenance will be performed, as needed and logged.

5.3.4 Preventative Maintenance Schedules and Records

A maintenance plan is the most reliable way to minimize repairs and maximize system efficiency. The GP-501 blowers do not require routine maintenance. If needed, maintenance of the piping, placement of permanent or temporary SSVI and circuit breakers will be performed and recorded in a service log kept by **NAC**. As part of the SSDS mitigation, the concrete floor slab and joints

must be maintained in good condition and cracks found must be sealed. The floor will be inspected at a minimum annually, and repairs completed, as needed. Typical O&M documents are listed below and provided in Appendix B:

- Inspection & Maintenance Checklist
- System Operation Log
- Defective Equipment & Repair Log
- Corrective Action Log
- Replacement Part Log

5.3.5 Inspection Schedule and Requirements

SSDS components and structures will be periodically inspected to ensure proper and efficient operation. System specific inspection tasks include VOC screening, leak detection, sub-slab vacuum, blower flow rates and vacuum readings.

Basic inspection tasks will be conducted by **NAC** personnel, and only skilled personnel will perform maintenance tasks.

6.0 REPORTING

Results of sampling, analysis operation, maintenance and inspections will be provided in the Periodic Review Report for the site.

Standard Tin Smith Tenant Space - Hitachi Tenant Space - Lasership Tenant Space -

Figure 1
Tenant Spaces 225-255
East 2nd Street
Mineola, New York

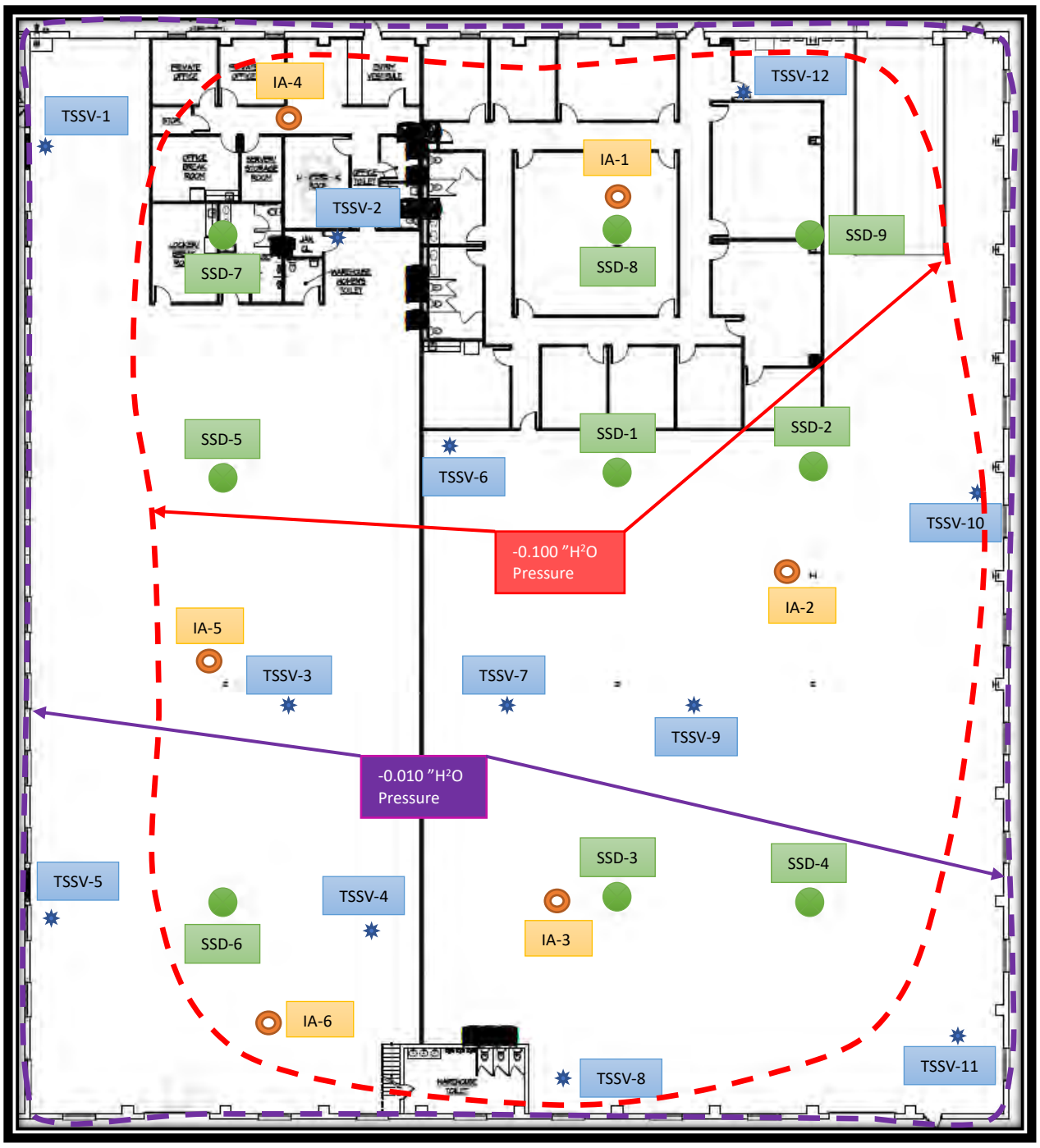


Figure 2
Start-up Testing Locations
255 East 2nd Street
Mineola, New York

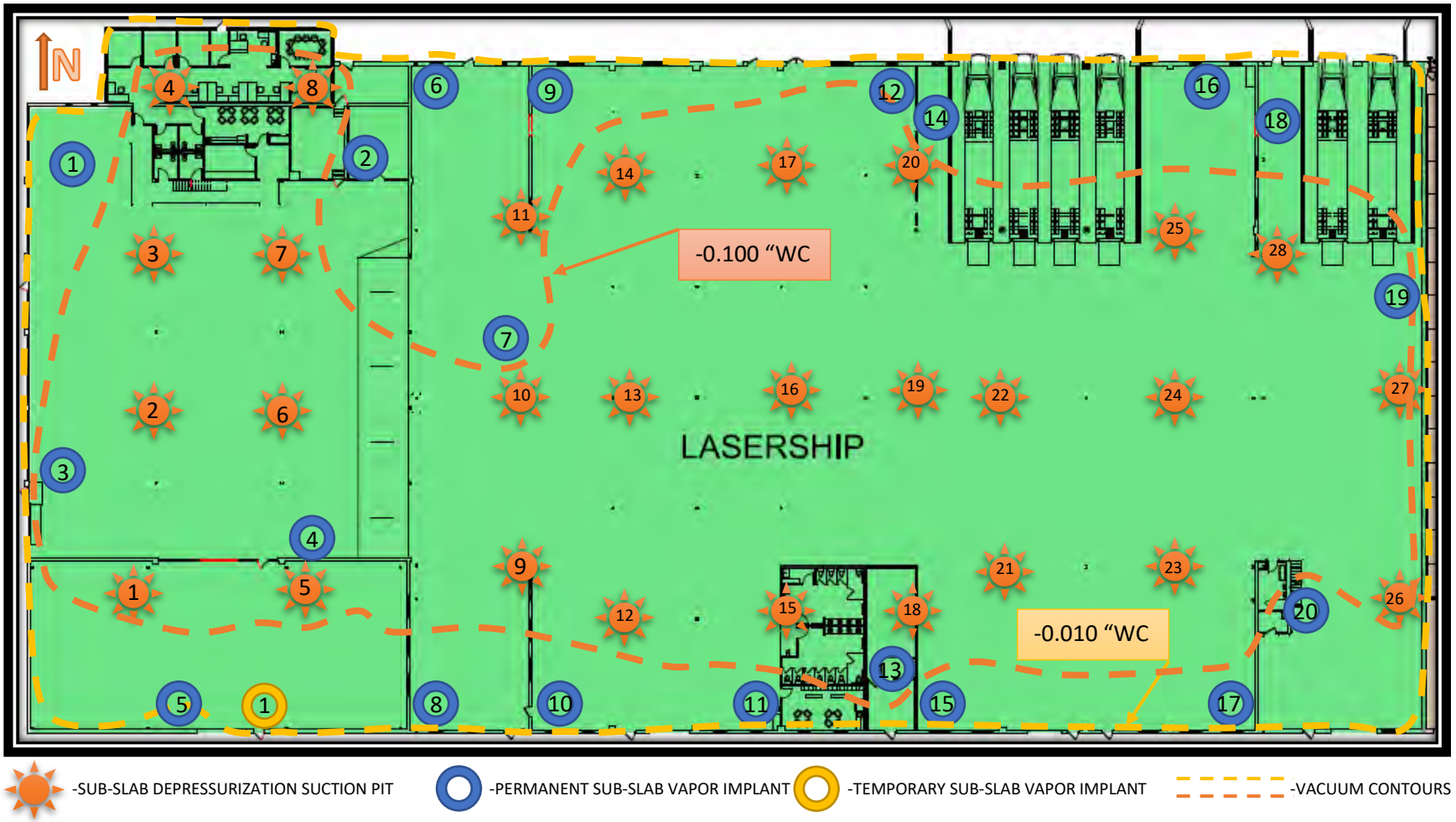


FIGURE 3

SSDS START-UP LAYOUT

255 EAST 2ND STREET

MINEOLA, NEW YORK

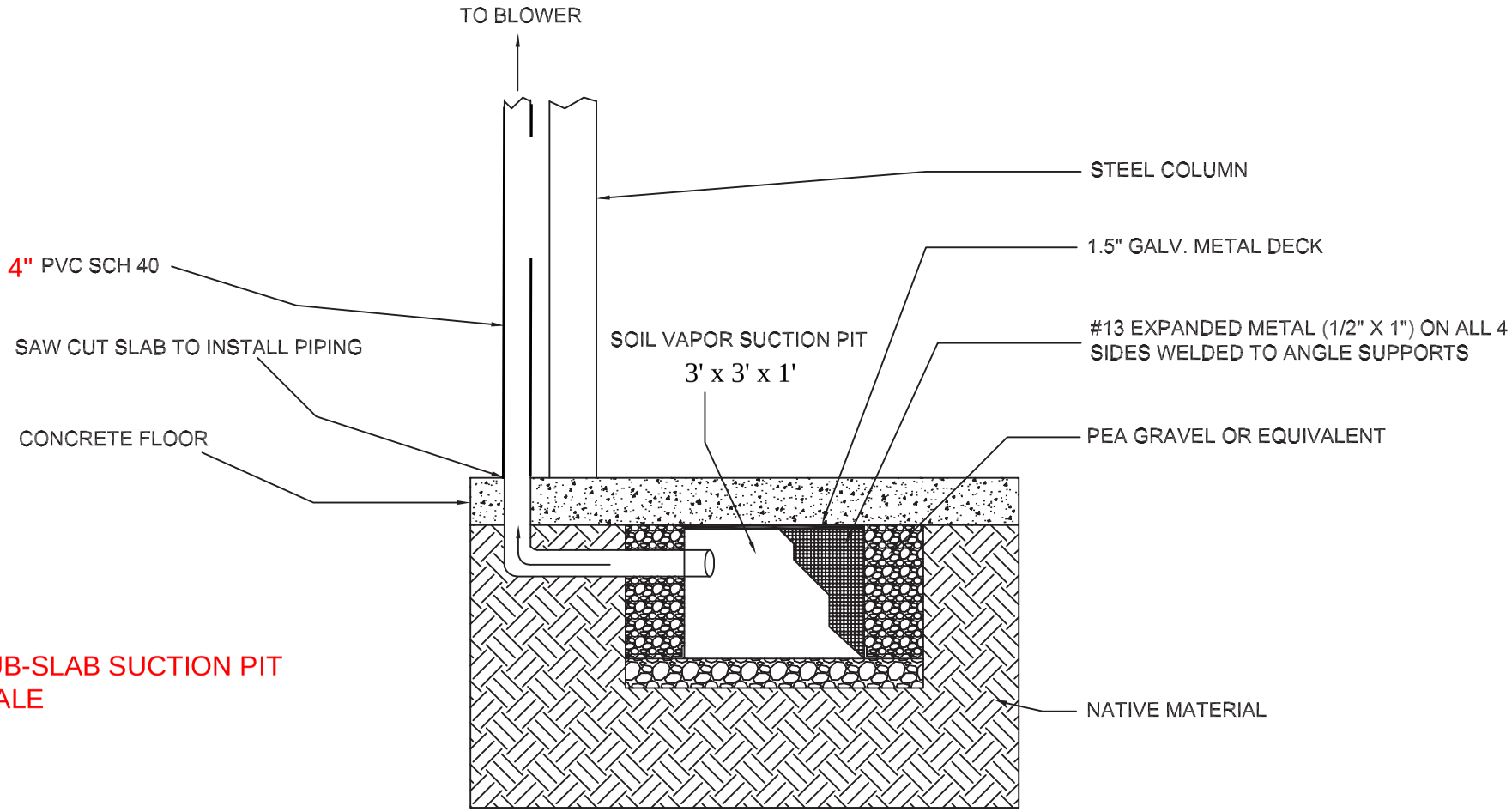
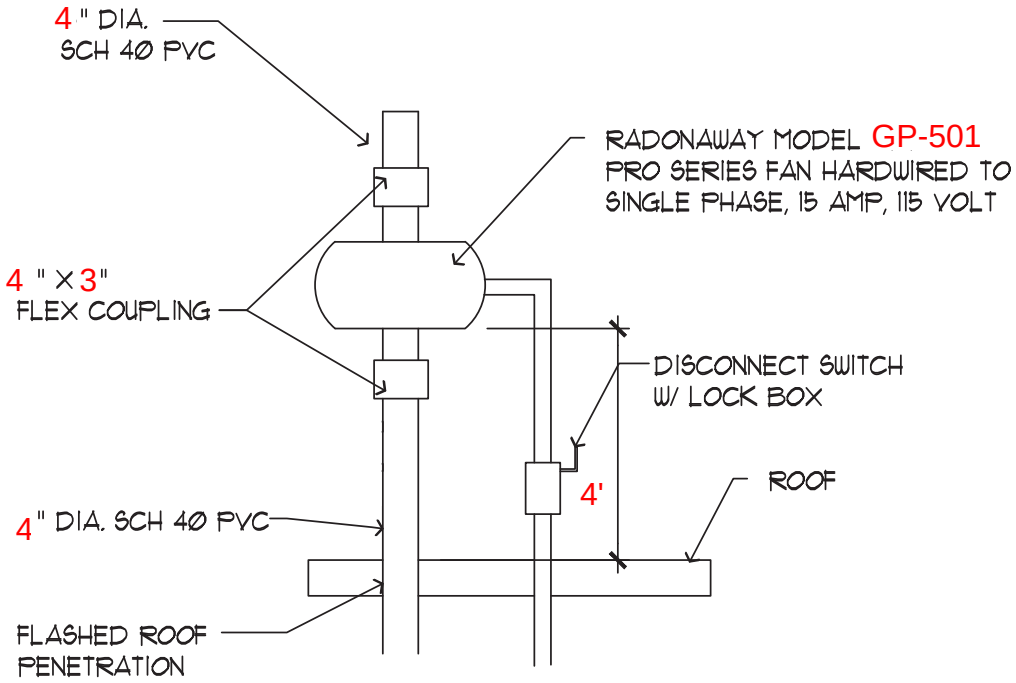


FIGURE 4
TYPICAL SUB-SLAB SUCTION PIT
NOT TO SCALE



TYPICAL SSDS BLOWER
ROOF DETAIL **Figure 5**

SCALE: NOT TO SCALE

NYSDEC IHWDS NO. 1-30-100

FORMER A.K. ALLEN COMPANY, INC. FACILITY

255 EAST 2ND STREET

MINEOLA, NEW YORK

SSDS Suction Pit Photographs


CAUTION / CUIDADO
CAUTION / CUIDADO

Zoom

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  - Fantech Fans
  - Energy Star® Rated Radon Fans
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- Radon Pro Packs
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- Radon System Components +
- Mitigation Tools & Diagnostic Aids +
- Sealing Products +
- Crawlspace, Moisture and Radon Control +
- Sump Pumps & Accessories +
- Pipe Accessories +
- Radon System Accessories +
- Radon in Water Removal Systems +
- Radon Testing +
- Spruce Inline Ventilation +
- Canada Fulfillment +

Seams sealed to inhibit radon leakage
Mounts on duct pipe or with integral flange
3" diameter ducts for use with 3" or 4" pipe
Electrical box for hard wire or plug in
ETL Listed - for indoor or outdoor use
4 interchangeable models

Air Purifiers
Personal Protection Equipment
New Products New
Best Sellers
On Sale

Additional Radon Fan Information:

Downloadable Fan Specifications/Sales Sheet (PDF format)
Downloadable Fan Installation Instructions (PDF format)
Calculate your estimated annual electrical cost.
Also available through our Canadian distribution location.

1-2 day shipping in most of US
Read more...

Five year manufacturer's warranty on RadonAway fans

Free technical support for our customers

Contact Us

Typical CFM vs. Static Pressure WC

Model	P/N	Fan Duct Diameter	Watts	Recommended Max Operating Pressure "WC	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201 Pro Series	28465	3"	31-65	1.8	54	42	11	-	-	-	-
GP301 Pro Series	28466	3"	56-100	2.3	64	54	41	4	-	-	-
GP401 Pro Series	28467	3"	63-128	3.0	-	61	52	44	32	-	-
GP501 Pro Series	28468	3"	68-146	3.8	-	-	-	70	57	30	10

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RadonAway® Transition Fitting
Add to Wishlist

3" x 3" White Coupling (Single)
Add to Wishlist

RadonAway® Easy Rea Manometer - BLUE
Add to Wishlist

SSDS

Replacement Part Log

Dates From:_____ To:_____

Inspection Date	Replacement Part(s)	Part Number	Catalog Number	Manufacturer/Distributer	Cost	Installation Date

Remarks:

SSDS

Defective Equipment & Repair Log

Dates From:_____ To:_____

Inspection Date	Defective Part(s)	Affected Area(s)	Cause	Repairs &/or Replacement Part(s) Installed	Installation Date

Remarks:

Sub Slab Depressurization System

Vacuum Measurement Log

		Inspection Time, Date and Inspector Initials									
SSD-1	"WC										
	CFM										
	PID										
SSD-2	"WC										
	CFM										
	PID										
SSVI-1	"WC										
SSVI-2	"WC										
SSVI-3	"WC										
SSVI-4	"WC										
SSVI-5	"WC										
SSVI-6	"WC										
SSVI-7	"WC										
SSVI-8	"WC										
SSVI-9	"WC										
SSVI-10	"WC										
SSVI-11	"WC										
SSVI-12	"WC										

Remarks:

APPENDIX C
SUB-SLAB SOIL VAPOR and INDOOR AIR SAMPLING PROCEDURES

1 Sub-Slab Vapor Monitoring Implants (New Implant Installation Procedures)

Permanent sub-slab vapor monitoring implants will be installed, as needed, at residential, commercial and industrial buildings, in accordance with the installation protocols in Section 2.7.2 of the ***October 2006, Guidance for Evaluating Soil Vapor Intrusion in the State of New York*** NYSDOH guidance document. The implants will be installed with a rotary hammer drill, to a depth to be determined by the thickness of the concrete slab. The implants will consist of 1/8 inch brass pipe nipples with brass threaded or compression fittings, finished with a brass recessed threaded cap to the surface. A typical soil vapor monitoring implant is shown in Figure 3.

2 Sub-Slab Implant Locations

The procedures in this attachment apply to the sub-slab implants to be installed at residential and/or commercial properties.

3 Sub-Slab Implant Components

The sub-slab vapor implant assemblies will consist of a 2-inch long, 1/8-inch brass pipe nipples, having inner and outer diameters of 1/4-inch and 3/8-inch, respectively, with a 1-inch long, 1/2-inch O.D. brass coupling. A porous, inert, glass bead pack will be set inside the void space beneath the implant and around the implant tip. The implant assembly will be sealed, flush with the slab, with Portland cement or equivalent and the implant will be closed using a recessed brass socket plug.

4 Sub-Slab Implant Installation

The implant will be installed using a rotary hammer drill. The boring will be initially advanced to

the bottom of the concrete slab, to determine the thickness of the slab, and then advanced an additional inch into the sub-slab annulus to create an open cavity to prevent potential obstructions during sampling. The implant assembly will be inserted into the boring, followed by the installation of a porous, inert glass pack inside the boring void space and around the implant tip. The implant assembly will be sealed, flush with the slab, with Portland cement or equivalent and capped with a recessed brass socket plug. The implant will set for approximately 24 hours after installation to allow the cement seal to cure, prior to sampling.

5 Health and Safety Plan

A Health and Safety Plan (HASP) for the soil vapor and sub-slab vapor implant construction and sampling work is provided in the SMP.

6 Sampling Parameters

Based on the site environmental history and the historic trends of VOCs in soil, soil vapor and groundwater at this site, chlorinated and fuel-related VOCs are the principle compounds found in on-site soil, soil vapor and groundwater. The soil vapor, sub-slab vapor, indoor air and ambient air samples will be collected and analyzed for VOCs by USEPA Method TO-15, at a NELAP-accredited environmental laboratory.

7 Sampling Frequency

Investigation of the potential preferential off-site soil vapor intrusion pathway(s) will require one round of soil vapor, sub-slab vapor, ambient air and indoor air sampling during the heating season. Heating systems are generally expected to be operating routinely between November 15th and March 31st, as noted in Section 2.4 of the NYSDOH ***October 2006***, ***Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*** guidance document.

8 Sampling Procedures

Sub-slab vapor, indoor air and outdoor ambient air samples will be collected by **NAC** personnel in accordance with the sampling protocols outlined in Sections 2.7.1 and 2.7.4 of the NYSDOH ***October 2006***, ***Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*** guidance document, and in accordance with the United States Environmental Protection Agency (USEPA) Compendium Method TO-15, for the collection and determination of VOCs in air collected in specially prepared canisters (Summa Canisters) and analyzed by gas chromatography and/or mass spectrometry.

Soil vapor and sub-slab vapor samples will be collected no less than 24 hours after installation of

the implants. A maximum of three implant volumes will be purged prior to sample collection to ensure a representative sample of the subsurface vapor is obtained. Samples will be contained in a laboratory prepared, Summa Canister. Flow rates for both purging and sample collection will not exceed 0.2 liters per minute to ensure against outdoor air infiltration during sampling. The sampling flow rate will be controlled by an inlet flow regulator attached to the Summa canister.

Indoor air samples will be collected concurrently with the sub-slab vapor samples. Indoor air samples will be collected at pre-determined locations adjacent to sub-slab vapor sampling points.

The sub-slab vapor and QA/QC sub-slab vapor duplicate samples will be collected over an 8-hour period (commercial properties) and over a 24 hour period (residential properties).

NAC will prepare a sampling log form to document site conditions encountered during sampling. The log sheet will summarize the following information:

- sample identification;
- date and time of sample collection;
- sampling depth;
- identity of samplers;
- sampling methods and devices;
- purge volumes;
- volume of soil vapor extracted;
- Summa canister vacuum prior to and after sample collection.
- Apparent moisture content of the sampling zone; and
- Chain of Custody protocols and records used to track samples from sampling point to analysis.

9 Tracer Gas

Tracer gas quality assurance/quality control protocols will be followed during soil vapor and sub-slab vapor sampling and by the laboratory to verify the integrity of each of the implant seals, to ensure the soil vapor and sub-slab vapor samples have not been diluted by surface air.

10 Laboratory Analyses

The soil vapor, sub-slab vapor, indoor air and outdoor ambient air sample containers (Summa Canisters) will be submitted to an NELAP-accredited environmental laboratory and analyzed for VOCs by United States Environmental Protection Agency (USEPA) compendium method TO-15. The minimum detection limits for the TO-15 analytes will not exceed 0.5 mcg/m^3 and the

laboratory analyses will be reported in mcg/m^3. The indoor air sample detection limits for trichloroethene, carbon tetrachloride and vinyl chloride will be 0.25 micrograms per cubic meter (mcg/m^3) or less and the NYSDOH Air Guideline Value for TCE mitigation will be 2 mcg/m^3. The laboratory analyses will be tabulated and reported to NYSDEC.

The laboratory will report the data in accordance with the NYSDEC ASP Category B (CAT B) deliverable format and an electronic data deliverable (EDD) containing the sampling data and CAT B QA/QC data will be submitted to NYSDEC in XML format in accordance with USEPA Superfund Analytical Services/Contract Laboratory Program (AS/CLP).

The laboratory soil vapor sampling and QA/QC data will be submitted along with a Data Usability Summary Report (DUSR), prepared by an independent third party. The qualifications of the third party will be submitted to NYSDEC prior to sampling.

11 Quality Assurance Project Plan

The quality assurance (QA) objective is to develop and implement procedures for sampling, laboratory analyses, field measurements and reporting that will provide quality data consistent with its intended use. Soil vapor samples and sub-slab vapor samples will be collected no less than 24 hours after construction. Prior to sampling, tracer gas testing will verify the integrity of the seal for each soil vapor monitoring implant. Additional tracer gas testing will be performed by the laboratory to confirm the field tracer gas testing results. The soil vapor samples, sub-slab vapor samples, indoor air samples and outdoor ambient air samples will be collected following standard sampling protocols. The sampling methodology, canister certification, preservation requirements, holding times and protocols for filed duplicate samples will be consistent with the NYSDEC Analytical Services Protocol (ASP).

12 Quality Control Requirements

Field quality control will be maintained during all field activities. All field quality control procedures will be followed according to this Quality Assurance Project Plan and documented in bound ledgers.

13 Field Measurements

Measurement data generated during field activities that are incidental to collection of samples for analytical testing or unrelated to sampling will be recorded in a bound field ledger book. These activities may include:

- Weather conditions, including precipitation, outdoor temperature, barometric pressure, wind speed and direction should be noted at least 24 to 48 hours prior to sampling;

- Prepare a sampling site map which will include the site building(s), sampling locations, location of potential interferences, compass orientations, building footings and paved areas;

- Record building ventilation conditions, such as an active heating system, at the time of sampling; and

- Record pertinent observations, such as odors and readings from field instrumentation, such as a photoionization detector.

The general QA objective for this measurement data is to use standard procedures to obtain reproducible and comparable measurements at a degree of accuracy consistent with the intended use of the data. Field measurements will be recorded in bound field log book. and sample documentation will conform with the standard sampling handling requirements.

14 Tracer Gas Testing

Tracer gas field testing, using helium gas, will be performed on all implants prior to the initial sampling round to verify the integrity of each implant seal and to limit the possibility of sample dilution from surface air. Subsequent tracer gas frequency will depend on the results from this initial test.

The tracer gas field test will consist of sealing the area surrounding the implant with plastic sheeting and then introduce the tracer gas underneath the sheeting, so that the area where the probe intersects the ground is immersed in the tracer gas. A helium detector will be connected to the soil vapor/sub-slab vapor implants, in accordance with Section 2.7.5 of the NYSDOH ***October 2006, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*** document, and tracer gas concentrations in the well will be recorded in the sampling log sheet. This procedure will be duplicated at each implant, prior to sample collection. The laboratory will confirm the field tracer gas tests by first analyzing approximately 85 to 90% of each sample canister for VOC's via USEPA method TO-15 and then use a helium detector to analyze the remaining contents in the Summa Canisters.

The sampling logs with the recorded field tracer gas test measurements and the tracer gas measurements reported by the laboratory will be submitted to NYSDEC with the initial sampling round report. NYSDEC will review the field and laboratory tracer gas test results to determine if

the bentonite/cement grout seal for each implant will require repairs and/or replacement to reduce the infiltration of ambient air and if additional tracer gas field/laboratory testing is required in the subsequent soil vapor sampling round.

15 Sample Collection

The soil vapor and sub-slab vapor samples will be collected as follows for laboratory analyses;

- Enter the designated sample identification along with the collection date and time and the name of the sample collector into a bound field log book. Record the equipment used to collect the sample;

- Prepare the sampling area for application of the tracer gas to the implant seal and collection of the vapor sample by connection the implant to a metal bellows type pump. Plastic sheeting will be used to seal the sampling area;

- Review the laboratory decontamination records for each of the "cleaned" Summa canisters prior to sampling;

- Evacuate a maximum of three implant volumes prior to sample collection. Adjust the flow rate to less than 0.2 liters per minute during evacuation and sample collection. Record flow rate, evacuation volume, sample volume and duration into a bound field log book;

- Label the sample summa canister(s), record the sample ID used for each sample, sample time and sample analyses in the field log book and in the laboratory chain of custody. Preserve the sample, as instructed in USEPA compendium method TO-15 and complete the laboratory chain of custody form;

- After equipment decontamination, properly discard the plastic sheeting and other expendable sampling materials; and

- Deliver the sample Summa canister to the analytical laboratory. Retain a signed copy of the chain of custody form(s).

16 Field Duplicate

A field duplicate from one of the permanent soil vapor implants and a field duplicate from one of the sub-slab vapor implants will be collected and submitted to the analytical laboratory to provide a means to assess the quality of the data resulting from the field sampling program. The duplicate

samples will be analyzed for sampling and analytical reproducibility and will be collected using the same procedures, the same equipment and in the same types of containers as the required samples. The duplicate samples will be preserved in the same manner and submitted for the same analyses as the samples. The duplicate samples will be collected for each sampling round and the laboratory analyses will be reported to NYSDEC.

17 Outdoor Air Samples

An outdoor ambient air sample will be collected at a frequency of once per day during the soil vapor sampling round. The samples will be collected and analyzed for VOCs by USEPA method TO-15. The laboratory results will be reported as part of the NYSDEC CAT B deliverables package.

18 Laboratory Analyses

The samples will be delivered to a NELAP certified environmental laboratory, for VOC and tracer gas detection. VOCs in the collected soil vapor samples will be analyzed by USEPA Method TO-15. The sampling data with the NYSDEC CAT B deliverables package will be submitted to NYSDEC EQUIS format.

All data quality objectives (DQOs) and acceptance criteria shall be consistent with the NYSDEC Analytical Services Protocol (ASP). The minimum reporting limits for target VOC analytes will be 0.5 mcg/m^3 or less, to allow for easy comparison of the results to regulatory and/or background level concentrations**.**

19 Reporting

A report will be prepared upon the completion of the sub-slab soil vapor and indoor air sampling. The report will include a description of the sub-slab monitoring implant locations and if needed, installation work, the implant construction logs, the sampling work performed with field tracer gas test results, the tabulated sampling data with laboratory tracer gas test results and conclusions. The laboratory analyses will be included as an appendix to the report in EQUIS format.

The report will be submitted to NYSDEC and NYSDOH for review.

NICHOLAS A. ANDRIANAS, P.E.
NAC CONSULTANTS, INC.
28 Henry Street
Kings Park, New York 11754
631-269-2680
Fax 631-269-2685

December 4, 2020

Mr. Kevin J. Lumpe
Director of Construction & Environmental
Alkier Steel
999 South Oyster Bay Road
Bethpage, New York 11714

Re: Sub-Slab Depressurization System
Start-up Report
255 East 2nd Street
Mineola, New York

Dear Mr. Lumpe:

This report presents the results of the sub-slab depressurization system (SSDS) pilot test, installation, and start-up performed at the above referenced location. This report is a supplement to the July 30, 2020 SSDS pilot test, start-up and indoor air sampling report prepared for the tenant spaces presently occupied by Hitachi and Standard Tinsmith. The July 30, 2020 report is attached for your convenience. The SSDS was designed by **NAC CONSULTANTS, INC** (**NAC**). The SSDS was started up prior to the tenant's (Lasership) move into the western space. The pilot test was performed by **NAC** on July 29, 2020. The SSDS was installed and started up prior to Lasership's occupancy in the space. SSDS start-up testing was performed by **NAC** on November 19, 2020. The benchmark for sub-slab vacuum response of the SSDS is 0.010 inches of water column (WC) throughout the building footprint. The SSDS meets the design objective. The site map and tenant spaces are shown on Figure 1.

SSDS Pilot Test

The objective of the SSDS pilot test was to determine the vacuum capture radius at the benchmark for vacuum response of the SSDS at 0.010 inches (in) water column (wc). **NAC** performed the pilot test for the SSDS on July 29, 2020. Two temporary sub-slab depressurization pits (TSSD)

pits and temporary sub-slab vapor implants (TSSV) were installed in the vacant tenant space to be occupied by Lasership. The locations of the TSSD wells for the pilot test are shown on Figures 2 and 3. Two test runs were performed at the two TSSD wells using a model GP-501 inline blower. The pilot test data are provided in Tables 1 and 2. Run 1 was conducted at the northwestern most space. One TSSD was connected to a GP-501 inline blower and run for 1 hour prior to sub-slab vacuum data collection at four (4) TSSVs. The background and Run 1 sub-slab vacuum data are provided in Table 1. The TSSV and TSSD locations are shown on Figure 2. Run 2 was performed near the center of the vacant tenant space. One TSSD was connected to a GP-501 inline blower and run for 1 hour prior to sub-slab vacuum data collection at six (6) TSSVs. The background and run 2 data are provided in Table 2 and the TSSV and TSSD locations are provided on Figure 3. Based on the pilot test results, a capture radius of 45 feet was determined at the benchmark for vacuum response of 0.010" WC. The data are provided in Tables 1 and 2.

System Installation

The full scale SSDS was installed prior to Lasership's present occupancy in the building. **NAC** designed the full-scale system based on a 45 feet capture radius and the system layout is shown on Figure 4. The full scale SSDS for the Lasership tenant space consists of 28 (SSD-1 through SSD-28) Radonaway, GP501 Radon Fan Pro Series blowers individually connected to sub-slab depressurization suction pits located in the building as shown on Figure 4. All suction pits, except numbers 4 and 8, are 3 ft by 3 ft by 1 ft deep installed below the building slab. The concrete slab was sawcut and removed to install the suction pits. The concrete floor slab was replaced over the pits. The pits are fabricated of steel with angle iron framed number 13 expanded metal with ½-inch by 1-inch openings attached to the angle iron frame supports. The suction pits were installed on a 3-inch thick concrete support slab placed approximately 2 feet below the existing floor slab. Pea gravel was backfilled around the suction pit. A galvanized metal deck was installed on the top of the suction pit to support the concrete building slab. Suction pits numbers 4 and 8 were installed in the office area. Based on construction constraints and the small size of the office building area, the suctions pit numbers 4 and 8 consist of 2-1/2 feet of 20 slot well screen set in pea gravel to a depth of 2 feet below the concrete floor slab. A 4-inch diameter, Schedule 40 PVC pipe connects

each suction pit to a roof mounted blower and the piping is back pitched to the suction pit to minimize condensate accumulation in the piping. The SSDS suction pit layout is shown on Figure 4. The typical SSDS suction pit construction is shown on Figure 5. Photographs of the suction pits are attached.

The SSDS blowers discharge to the atmosphere through stacks installed at the roof above the highest roof elevation and discharge at least 20 feet from any air handler unit intake or building opening. The schematic of the roof mounted blower is shown on Figure 6. The SSDS was operational before the tenant space was occupied. Twenty permanent sub-slab vapor implants were installed in the Lasership tenant space to routinely measure sub-slab vacuum.

Start-up

On November 19, 2020, **NAC** performed start-up tests on the SSDS installed in the Lasership tenant space. Vacuum and flow measurement sampling ports were installed in the accessible SSD suction point piping to determine the vacuum at the suction point and the air flow rate at the individual SSD suction points. The startup data are provided in Table 3. Sub-slab vapor implants (SSVI) were installed throughout the Lasership space to confirm that the SSDS achieves the 0.010" WC benchmark. Data collected at the sub-slab vapor implants are provided in Table 3. The start-up data confirm that the SSDS provides the required sub-slab vacuum at the -0.010" WC benchmark in the Lasership space. Vacuum contours at -0.010" WC and -0.100" WC, and the SSD pit locations are shown on Figure 4.

Conclusions

The SSDS placed in operation in the Lasership space in November 2020 and the SSDS placed in operation at the Hitachi and Standard Tinsmith spaces in July 2020 at 255 East Second Street meet the mitigation objective of the sub-slab depressurization to prevent soil vapor intrusion into the entire building by creating vacuum below the building slab and within the building foundation footprint. The Site Management Plan for 255 East Second Street, Mineola, New York will be

modified to include the SSDS in place for the entire 255 East Second Street building. The existing SVE system installed by the prior facility owner should be decommissioned and removed, because the system achieved asymptotic VOC removal after five years in operation and the soil vapor migration into the building will be controlled by the SSDS now installed throughout the entire 255 East Second Street building. The O&M plan will be updated in corporate the SSDS throughout the building and to delete the operation of the SVE system.

Sincerely,
NAC CONSULTANTS, INC.

Nicholas A. Andrianas, P.E.

Enclosure

SSDS Pilot Test Data
255 East 2nd Street
Mineola, New York
July 29th, 2020
Table 1

Run 1 Pilot Test Start- 10:15

Background Data				
	TSSV-1	TSSV-2	TSSV-3	TSSV-4
" WC	-0.010	-0.002	0.000	0.000

GP- 501 Data Collected at 11:15	
"WC	-3.547
CFM	30.000

Run 1 Data Collected @ 11:25				
	TSSV-1	TSSV-2	TSSV-3	TSSV-4
" WC	-0.045	-0.038	-0.046	-0.008

Notes:
"WC- Inches water column
SVE system on Site was in operation during the Pilot test
Barometric Pressure @ 10:51 29.94 "Hg and falling

SSDS Pilot Test Data
255 East 2nd Street
Mineola, New York
July 29th, 2020
Table 2

Run 1 Pilot Test Start- 12:00

Background Data						
	TSSV-1	TSSV-2	TSSV-3	TSSV-4	TSSV-5	TSSV-6
" WC	-0.035	-0.018	-0.005	-0.010	-0.020	-0.005

GP- 501 Data Collected at 13:00	
"WC	-3.674
CFM	20.000

Run 1 Data Collected @ 13:10						
	TSSV-1	TSSV-2	TSSV-3	TSSV-4	TSSV-5	TSSV-6
" WC	-0.103	-0.032	-0.065	-0.016	-0.048	-0.005

Notes:
"WC- Inches water column
SVE system on Site was in operation during the Pilot test
Barometric Pressure @ 12:51 29.93 "Hg and falling

SSDS Start-up Results
255 East 2nd Street
Mineola, New York
November 19, 2020
Table 3

Sub-Slab Vapor Implants										
	SSVI-1	**SSVI-2**	**SSVI-3**	**SSVI-4**	**SSVI-5**	**SSVI-6**	**SSVI-7**	**SSVI-8**	**SSVI-9**	**SSVI-10**
"WC	-0.054	-0.075	-0.179	-0.418	-0.010	-0.030	-0.083	-0.019	-0.066	-0.035
	SSVI-11	**SSVI-12**	**SSVI-13**	**SSVI-14**	**SSVI-15**	**SSVI-16**	**SSVI-17**	**SSVI-18**	**SSVI-19**	**SSVI-20**
"WC	-0.068	-0.106	-0.468	-0.066	-0.064	-0.025	-0.061	-0.049	-0.171	-0.099
	TSSVI-1									
"WC	-0.053									

Notes:
"WC- Inches Water Coulmn
SSVI- sub-slab vapor implant
TSSVI- temporary sub-slab vapor implant
Data collected using a Fluke Digitial Manonmeter
Data collected on November 19, 2020

Sub-Slab Depressurization Suction Pits										
	SSD-1	**SSD-2**	**SSD-3**	**SSD-4**	**SSD-5**	**SSD-6**	**SSD-7**	**SSD-8**	**SSD-9**	**SSD-10**
"WC	-3.866	-4.228	-3.956	-1.389	-3.510	-4.280	-3.956	-3.109	-4.156	-3.866
CFM	15	10	10	70	30	10	10	50	10	20
	SSD-11	**SSD-12**	**SSD-13**	**SSD-14**	**SSD-15**	**SSD-16**	**SSD-17**	**SSD-18**	**SSD-19**	**SSD-20**
"WC	-2.801	-4.204	-4.174	-4.106	N/A	-4.215	-4.058	-3.158	-4.104	-4.118
CFM	60	10	10	10	N/A	10	10	50	10	10
	SSD-21	**SSD-22**	**SSD-23**	**SSD-24**	**SSD-25**	**SSD-26**	**SSD-27**	**SSD-28**		
"WC	-4.319	-4.264	-4.266	-4.300	-4.275	-3.359	-3.545	-3.903		
CFM	10	10	10	10	10	42	30	10		

Notes:
"WC- Inches Water Coulmn
CFM- Cubic Feet per Minute
Data collected using a Fluke Digitial Manonmeter
Data collected on November 19, 2020

Standard Tin Smith Teant Space - Hitachi Tenant Space - Lasership Tenant Space -

Figure 1
Tenant Spaces
255 East 2nd Street
Mineola, New York

Figure 2
Pilot Test Run 1 Locations
255 East 2nd Street
Mineola, New York

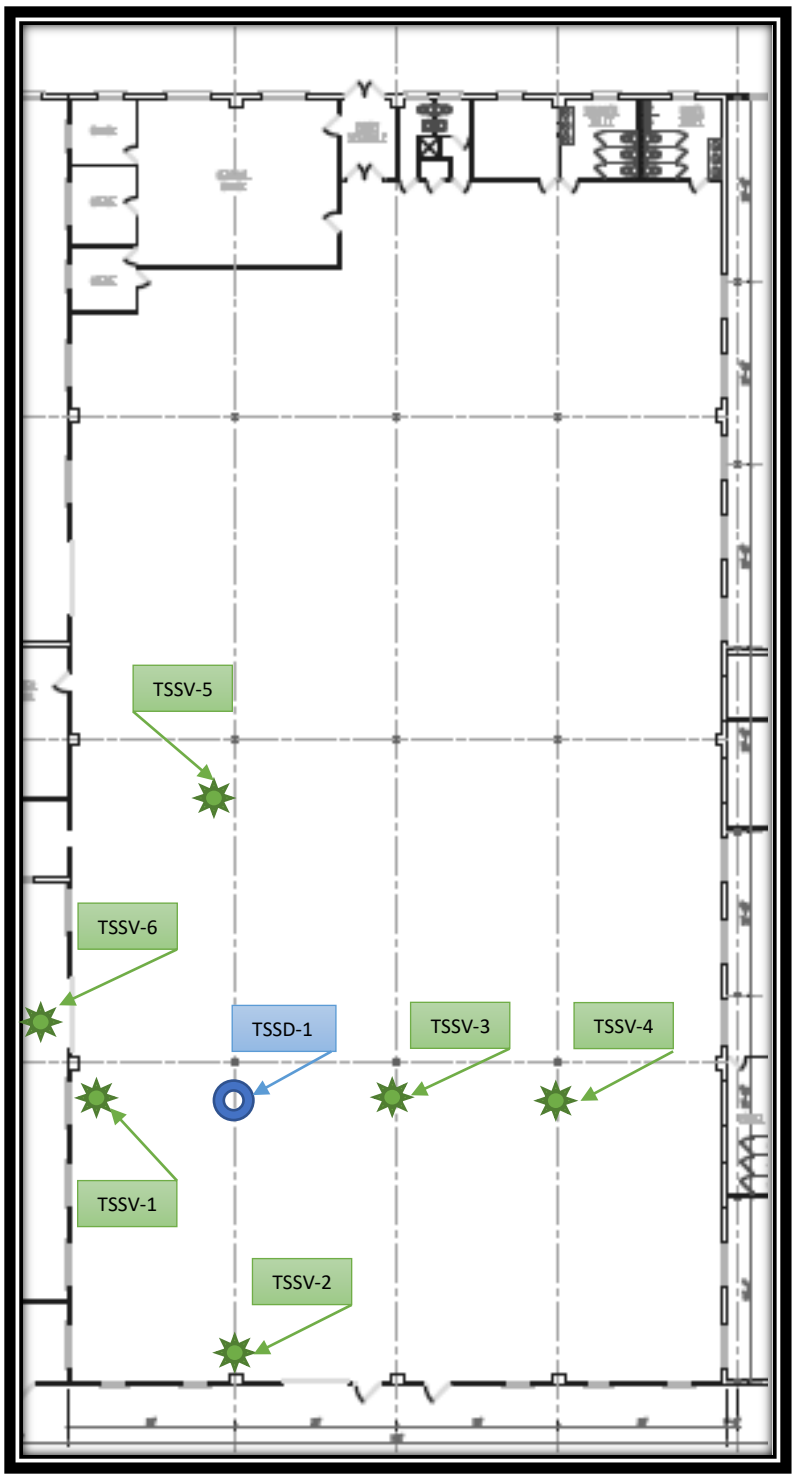


Figure 3
Pilot Test Run 2 Locations
255 East 2nd Street
Mineola, New York

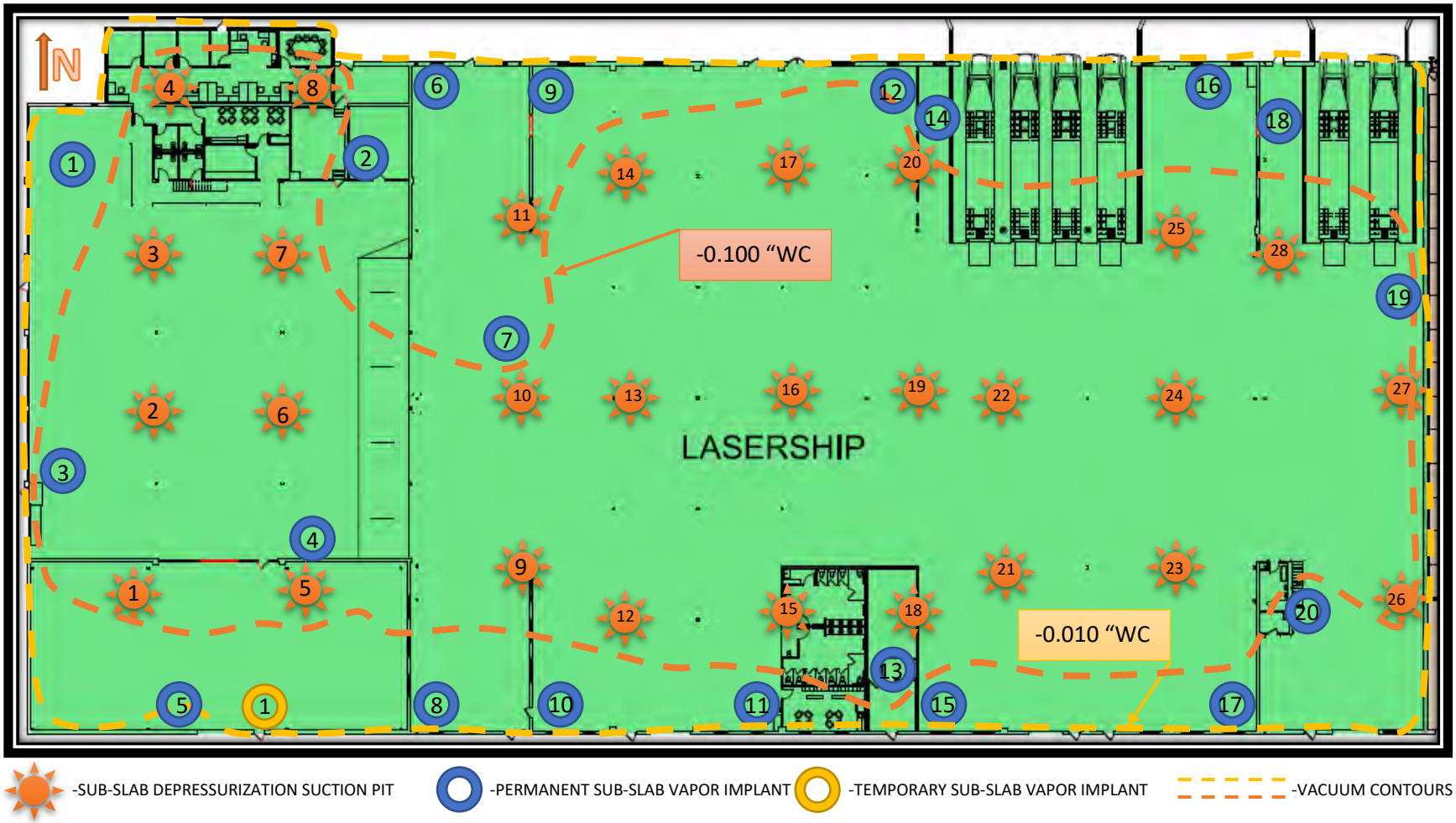


FIGURE 4

SSDS START-UP LAYOUT

255 EAST 2ND STREET

MINEOLA, NEW YORK

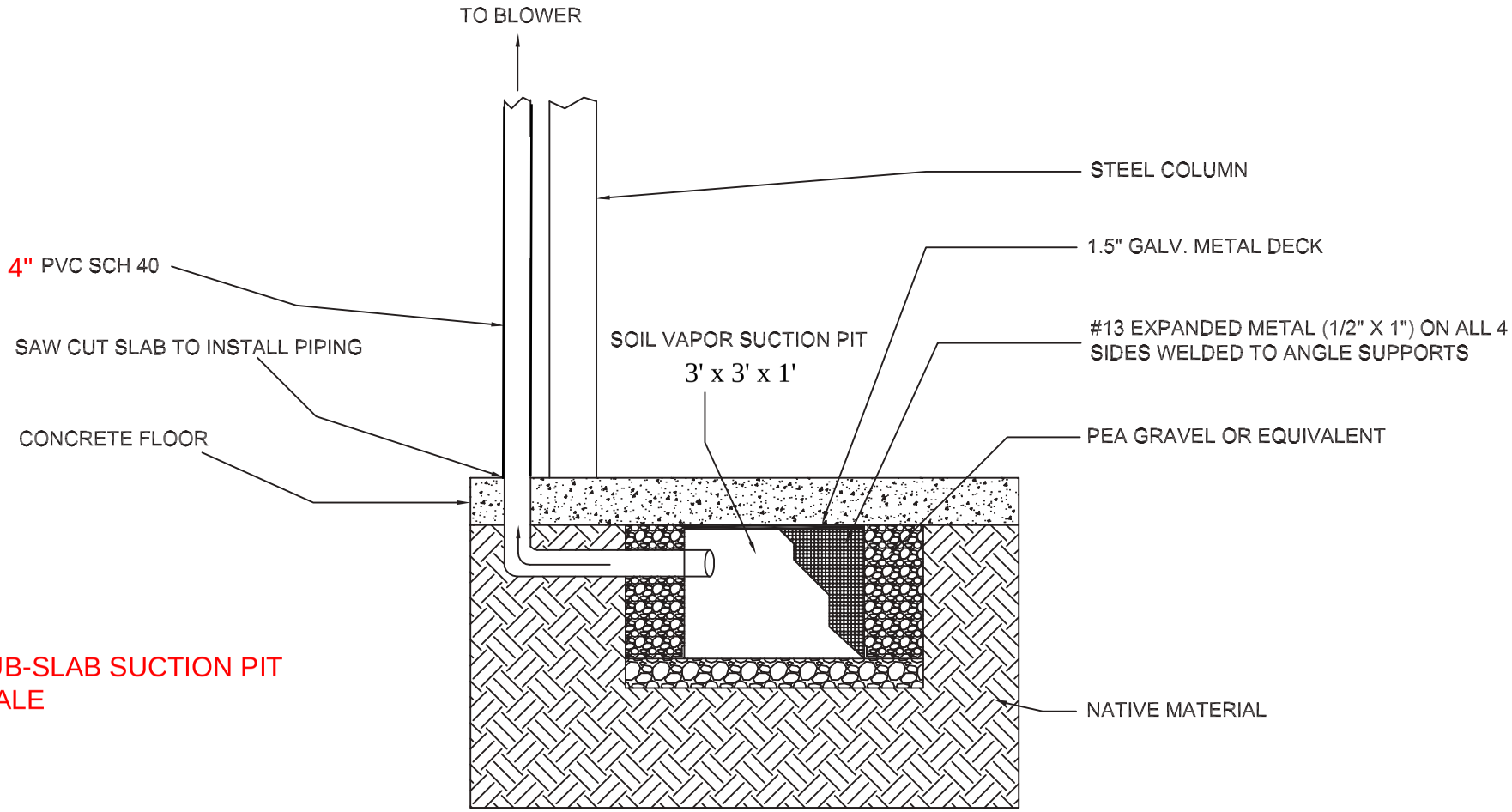
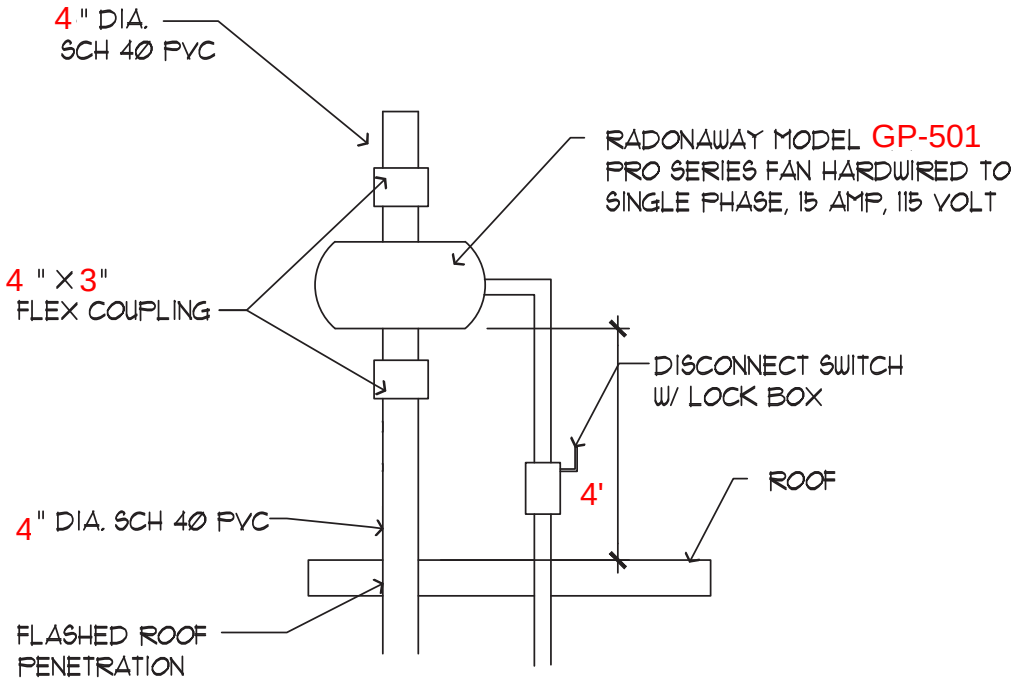


FIGURE 5
TYPICAL SUB-SLAB SUCTION PIT
NOT TO SCALE



TYPICAL SSDS BLOWER
ROOF DETAIL **Figure 6**

SCALE: NOT TO SCALE


ECOBAT
ECOBAT

NICHOLAS A. ANDRIANAS, P.E.
NAC CONSULTANTS, INC.
28 Henry Street
Kings Park, New York 11754
631-269-2680
Fax 631-269-2685

July 30, 2020

Mr. Kevin J. Lumpe
Director of Construction & Environmental
Alkier Steel
999 South Oyster Bay Road
Bethpage, New York 11714

Re: Sub-Slab Depressurization System
Pilot Test, Start-up, and Indoor Air Sampling Report
255 East 2nd Street
Mineola, New York

Dear Mr. Lumpe:

This report presents the results of the sub-slab depressurization system (SSDS) pilot test, sub-slab depressurization system (SSDS) installation, SSDS start-up, and indoor air sampling performed in the two currently tenant-occupied spaces at the above referenced site. In addition, there is a SVE system installed at the south side of the facility and the system was found to be shut down by the previous owner. The SVE was repaired and brought online in the fall of 2019 by Alkier Steel. The operating vacuum and air flowrate for the SVE system are provided in this report.

The SSDS was designed by **NAC CONSULTANTS, INC**, (**NAC**). The SSDS was started up prior to tenant occupancy in the eastern spaces of the building. This section of the building has a footprint of approximately 36,000 square feet with spread footing foundations around the perimeter. The tenant spaces are shown on Figure 1. The pilot test was performed by **NAC** in October and November 2019. The SSDS start-up and indoor air sampling was performed by **NAC** on July 18, 2020.

SSDS Pilot Test

The objective of the SSDS pilot test was to determine the vacuum capture radius at the benchmark

for vacuum response of the SSDS is 0.010 inches (in) water column (wc). **NAC** performed the pilot test for the SSDS in October and November 2019. Two temporary sub-slab depressurization wells (TSSD) wells and sub-slab temporary implants were installed in the tenant spaces. The locations of the TSSD wells for the pilot test are shown on Figure 2. Three pilot test runs were completed at the two TSSD wells using a Radonaway model HP-220 and a Radonaway model GP-501 inline blower. The pilot test data are provided in Table 1. Based on the pilot test results, a capture radius of 40 feet was determined, based on a benchmark for vacuum response of 0.010 in wc.

System Installation

The full scale SSDS was installed prior to tenants occupying the spaces. The spaces are shown on Figure 1. **NAC** designed the full-scale system based on a 40 foot capture radius established by the pilot test. The SSDS for the present two tenants in the eastern section of the building consists of 9 Radonaway, GP501 Radon Fan Pro Series blowers individually connected to sub-slab depressurization suction pits located in the building as shown on Figure 2. The suction pits are 3 ft by 3 ft by 1 ft deep and are installed below the building slab. The concrete slab was sawcut and removed to install the suction pits. The concrete floor slab was replaced over the pits. The pits are fabricated of steel with angle iron framed number 13 expanded metal with ½-inch by 1-inch openings attached to the angle iron frame supports. The suction pits were installed on a 3 inch thick concrete support slab placed approximately 2 feet below the existing floor slab. Pea gravel was backfilled around the suction pit. A galvanized metal deck was installed on the top of the suction pit to support the concrete building slab. A 4 inch diameter, Schedule 40 PVC pipe connects each suction pit to a roof mounted blower and the piping is back pitched to the suction pit to minimize condensate accumulation in the piping. The SSDS suction pit layout is shown on Figure 2. The typical SSDS suction pit construction is shown on Figure 3. Photographs of the suction pits are attached.

The SSDS blowers discharge to the atmosphere through stacks installed at the roof above the highest roof elevation and at least 20 feet from any air handler unit intake or building opening. The schematic of the roof mounted blower is shown on Figure 4. There are three SSD suction pits

(SSD-5, SSD-6, and SSD-7) in the Standard Tinsmith tenant space. There are six SSD suction points (SSD-1, SSD-2, SSD-3, SSD-4, SSD-8, and SSD-9) in the Hitachi tenant space. The SSDS was operational before the tenant spaces were occupied.

SSDS Start-up

On July 18th, 2020, **NAC** performed SSDS start-up tests on SSDS installed in the Standard Tinsmith and Hitachi tenant spaces at the east end of the building. Standard Tinsmith distributes and fabricates sheet metal products. Incidental chemical usage was observed in Standard Tinsmith. Hitachi warehouses parts and bagged dry chemicals. Both companies were closed on the day of the testing and sampling.

Vacuum and flow measurement sampling ports were installed in the accessible SSD suction point piping to determine the vacuum at the suction point and the air flow rate at the individual SSD points. The startup data are provided in Table 2. Temporary sub-slab vapor points (TSSV) were installed throughout the space to determine that the SSDS was achieving the -0.010" WC benchmark throughout both tenant spaces. The vacuum measurements collected from the TSSV-1 through TSSV-12 are provided in Table 2. The start-up vacuum data confirm that the SSDS provides adequate capture at the -0.010" WC benchmark throughout both tenant spaces. Vacuum contours (-0.010" WC and -0.100" WC), TSSV locations, and SSDS suction point locations are shown on Figure 2.

SVE System

There is an existing SVE system installed at the former A. K. Allen facility. The system was shut down by the former owner. The SMP and related correspondence reports that the SVE system was installed to remediate soil at the south side of the property outside the building and to control VOC soil vapor migration to occupants in the building. The SMP states that the SVE was operated for a period of five years and that asymptotic VOC removal conditions were met in June 2013, therefore the SVE system met the soil remediation objective.

The SVE system is located in a metal shed in the southern parking lot. SVE wells were connected to a moisture knock-out drum, a 7-horsepower blower and a series of two vapor-phase, 400-pound carbon units. **NAC** and Alkier Steel repaired the SVE system and it is presently in operation. It was placed in service in the fall of 2019, prior to installation of the SSDS and occupancy of the building. Vacuum and air flow measurements were obtained at the system on July 18, 2020. The blower vacuum was -30.0 inches WC and the air flow rate was 236 CFM. The SVE system data are provided in Table 2. Based on the blower size, the SVE appears to be operating at greater than the design vacuum and flow rate.

The Site Management Plan for 255 East Second Street, Mineola, New York will be modified to include a sub-slab depressurization system (SSDS) for the occupied space in the building. The mitigative objective of the sub-slab depressurization (SSDS) system is to prevent soil vapor intrusion into the building by creating negative pressure below the building slab and within the building foundation footprint. The SVE system should be decommissioned, because the system achieved asymptotic VOC removal after five years in operation and the soil vapor migration into the building will be controlled by the SSDS installed in each occupied tenant space.

Indoor Air Sampling

On July 18, 2020 **NAC** collected indoor air samples for TO-15 laboratory analyses in both the Standard Tinsmith and Hitachi tenant spaces. The sampling round consisted of three indoor air samples (IA-1 through IA-6) for each tenant space and one outdoor ambient air (AA-1) sample located upwind (southeast corner) of the Site. Samples IA-5 and IA-2 correspond to samples IA-7 and IA-8 respectively collected in a prior sampling round conducted by ERM during the due diligence period. Indoor air sampling locations are shown on Figure 1. The sampling data are provided in Table 3 and the laboratory report is attached.

The sampling results for trichloroethene (TCE), tetrachloroethene (PCE), and methylene chloride were compared to the *New York State Department of Health FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York October 2006* and subsequent updated indoor air quality (IAQ) guidelines. Table 4 presents the comparison.

The concentrations of 1,1,1-TCA, 1,1-DCE, and vinyl chloride were non-detect in the indoor and the outdoor ambient air samples. Carbon tetrachloride was also found in indoor and outdoor ambient air concentrations at similar low concentrations. The PCE concentrations in samples IA-1 (0.37 mcg/m^3), IA-2 (0.62 mcg/m^3), IA-5 (0.84 mcg/m^3) and IA-6 (0.64 mcg/m^3) were similar to the ambient air concentration found in sample AA-1 (0.62 mcg/m^3). The PCE concentration in sample IA-3 was non-detect. The PCE concentration at IA-4 (8.81 ug/m3) was found to be less than the NYSDOH guideline (30 mcg/m^3). The TCE concentrations were non-detect in samples IA-1, IA-2, IA-4, IA-5, IA-6 and the ambient air sample. The TCE concentration in sample IA-3 (0.23 mcg/m^3) was less than the NYSDOH guideline (2 mcg/m^3).

The concentrations of methylene chloride found in samples IA-4, IA-5 and IA-6 collected in the Standard Tinsmith tenant space were greater than the NYSDOH guideline (60 mcg/m^3). Methylene chloride was not found at concentrations of concern in either sub-slab vapor or indoor air collected during the due diligence investigation prior to Standard Tinsmith's occupancy in the building. Standard Tinsmith fabricates spiral sheet metal duct. Minor petroleum product incidental spillage and small spray can and bottled degreasing chemical cleaners were observed in the Standard Tinsmith tenant space and likely contribute to elevated methylene chloride concentrations found in the indoor air samples its' space.

Conclusions

The SSDS startup test results confirm that the system meets the design objective to control sub-slab vapor migration to indoor air. Nine SSDS suction point and blowers provide the required vacuum field beneath the footprint of the tenant spaces in accordance with NYSDOH guidance. Indoor air concentrations of VOCs appear to be related to ambient air and to tenant chemical usage. Sampling of sub-slab vapors and indoor air sampling should be performed in accordance an updated Site Management Plan (SMP) and SSDS operation and maintenance (O&M) plan for the site.

The SVE system should be decommissioned, because the system achieved asymptotic VOC

removal after five years in operation and the soil vapor migration into the building will be controlled by the SSDS installed in each tenant occupied space.

Sincerely,

Nicholas A. Andrianas, P.E.

Enclosure

Standard Tinsmith Tenant Space - Hitachi Tenant Space - Vacant Tenant Space -

Figure 1
Tenant Spaces
255 East 2nd Street
Mineola, New York

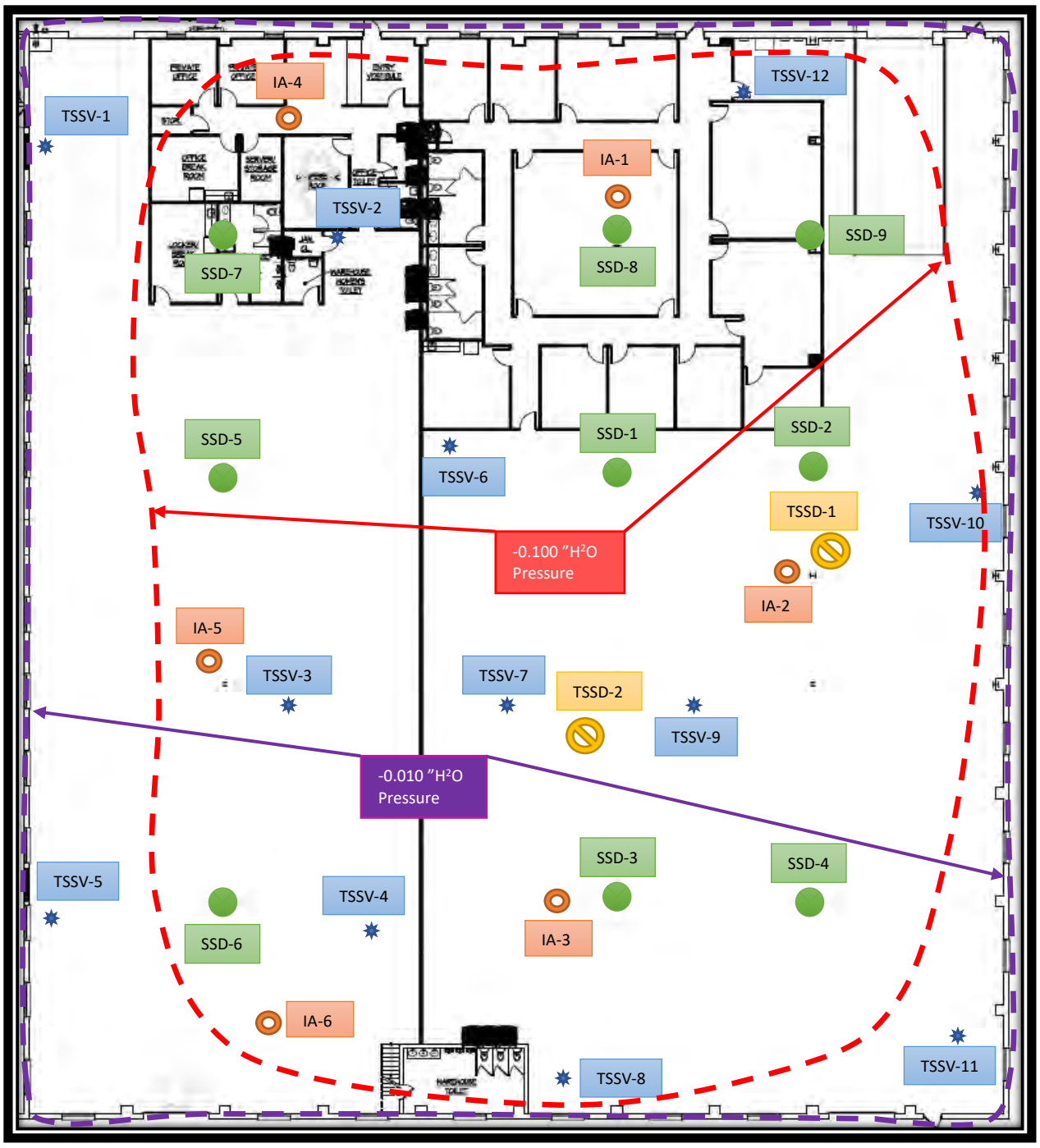


Figure 2
Start-up Testing Locations
255 East 2nd Street
Mineola, New York

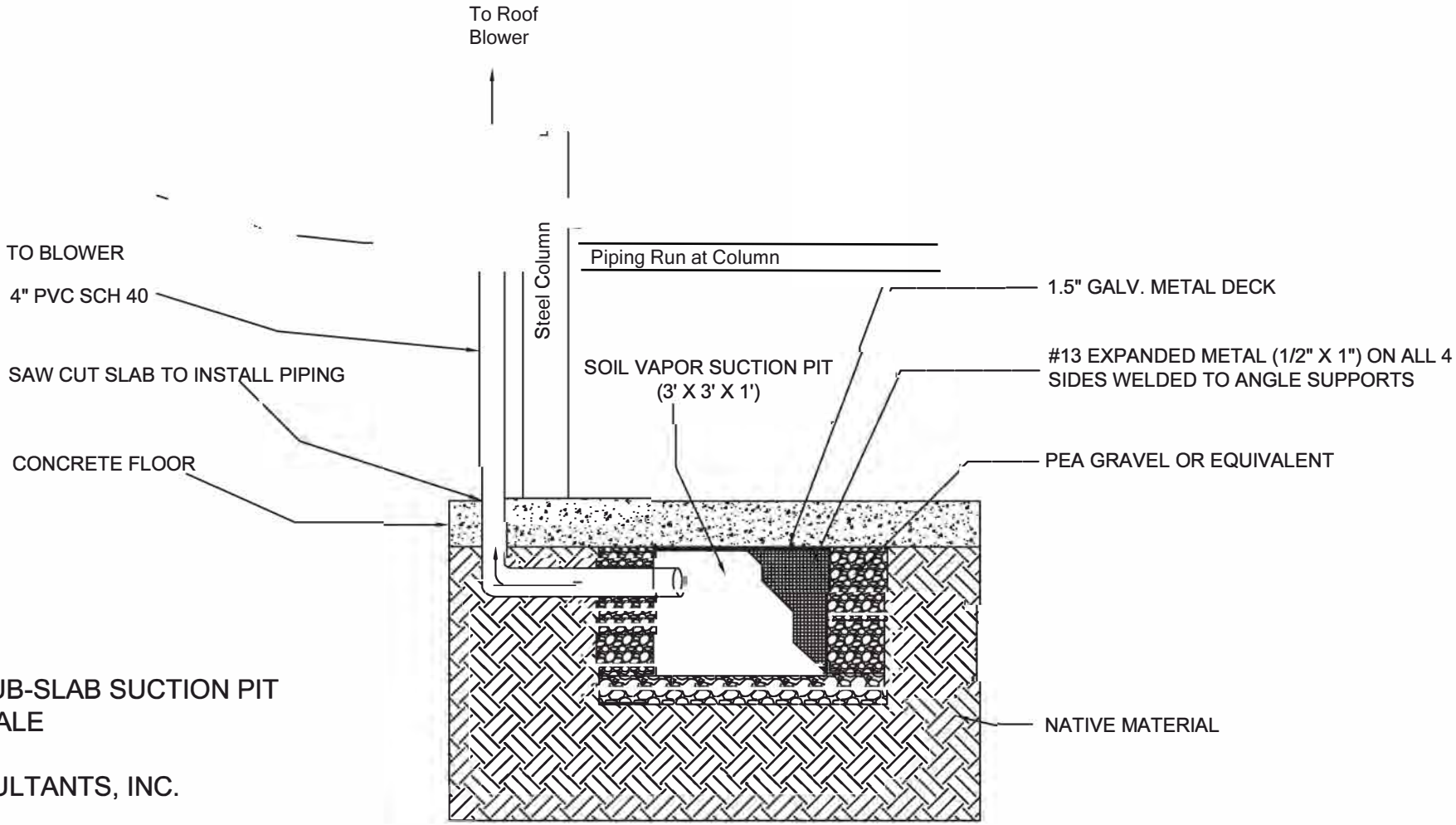
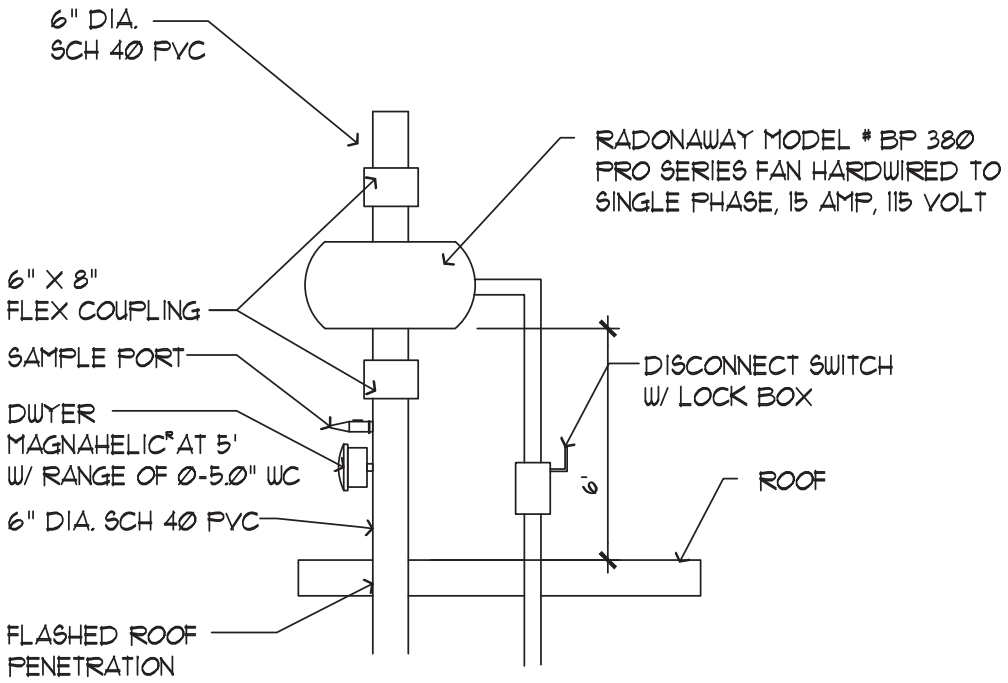


FIGURE 3
TYPICAL SUB-SLAB SUCTION PIT
NOT TO SCALE

NAC CONSULTANTS, INC.



TYPICAL SSDS BLOWER ROOF DETAIL

SCALE: NOT TO SCALE

255 East 2nd Street
Mineola, New York
Table 1 - Pilot Test Data
November 1st, 2019

RUN 1 HP-220

Location	Vacuum Measurement ("H2O)	Distance from SSD	CFM
TSSD-2	-1.974		50
TSSV-1	-0.020	20'	
TSSV-2	-0.013	30'	
TSSV-3	-0.053	20'	
TSSV-4	-0.008	40'	
TSSV-5	N/A	10'	
TSSV-6	N/A	40'	
TSSV-7	N/A	50'	

RUN 2 GP-501

Location	Vacuum Measurement ("H2O)	Distance from SSD	CFM
TSSD-2	-2.858		58
TSSV-1	-0.034	20'	
TSSV-2	-0.020	30'	
TSSV-3	-0.087	20'	
TSSV-4	-0.016	40'	
TSSV-5	-0.110	10'	
TSSV-6	-0.011	40'	
TSSV-7	-0.009	50'	

RUN 3 GP-501

Location	Vacuum Measurement ("H2O)	Distance from SSD	CFM
TSSD-1	-3.844		14
TSSV-8	-0.005	25'	
TSSV-9	-0.005	40'	
TSSV-10	-0.010	35'	
TSSV-11	-0.010	30'	
TSSV-12	-0.013	30'	
TSSV-13	-0.024	15'	

255 East 2nd Street
Mineola, New York
Table 2 - Start-Up Performance Data
July 18, 2020

Location	Vacuum Measurement ("H2O)	CFM
SSD-1	-3.956	15
SSD-2	-3.988	13
SSD-3	-3.524	40
SSD-4	-3.745	35
SSD-5	-3.204	48
SSD-6	-3.508	42
TSSV-1	-0.012	
TSSV-2	-0.374	
TSSV-3	-0.235	
TSSV-4	-0.262	
TSSV-5	-0.012	
TSSV-6	-0.322	
TSSV-7	-0.560	
TSSV-8	-0.142	
TSSV-9	-1.142	
TSSV-10	-0.102	
TSSV-11	-0.083	
TSSV-12	-0.244	

255 East 2nd Street
Mineola, New York
Table 3 - SVE System Data
July 18, 2020

Location	Vacuum/Pressure Measurement ("H2O)	CFM
KO DRUM	-14.000	-
BLOWER INTAKE	-30.000	-
BLOWER EXHAUST	14.000	-
LEAD-LAG	7.088	-
SYSTEM EXHAUST	0.075	236

255 East 2nd Street
Mineola, New York
Table 4 -Indoor Air Sampling Data
July 18, 2020

Sample ID	AA-1	IA-1	IA-2	IA-3	IA-4	IA-5	IA-6	NYSDOH Indoor Air Guidelines
Sampling Date	July 18, 2020	July 18, 2020	July 18, 2020	July 18, 2020	July 18, 2020	July 18, 2020	July 18, 2020	
Concentration	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Parameter								
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	-
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	-
Carbon Tetrachloride	0.63	0.61	0.61	0.6	0.61	0.62	0.64	-
Cis-1,2-Dichloroethene	ND	ND	ND	ND	0.38	ND	ND	-
Methylene Chloride	ND	15.8	12.8	28.4	103	139	1,420	60
Tetrachloroethene	0.62	0.37	0.62	ND	8.81	0.084	0.64	30
Trichloroethene	ND	ND	ND	0.23	ND	ND	ND	2
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	-

NYSDEC IHWDS NO. 1-30-100

FORMER A.K. ALLEN COMPANY, INC. FACILITY

255 EAST 2ND STREET

MINEOLA, NEW YORK

SSDS Suction Pit Photographs


CAUTION
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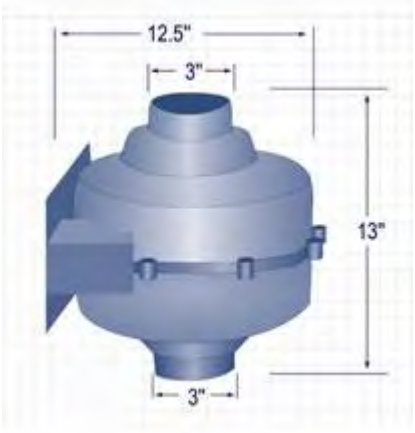
GP501 Radon Fan Features:



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Mounts on duct pipe or with integral flange
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ETL Listed - for indoor or outdoor use
4 interchangeable models

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Downloadable Fan Installation Instructions (PDF format)
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Also available through our Canadian distribution location.

Typical CFM vs. Static Pressure WC

Model	P/N	Fan Duct Diameter	Watts	Recommended Max Operating Pressure "WC	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201 Pro Series	28465	3"	31-65	1.8	54	42	11	-	-	-	-

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Typical CFM vs. Static Pressure WC

Model	P/N	Fan Duct Diameter	Watts	Recommended Max Operating Pressure "WC	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP301 Pro Series	28466	3"	56-100	2.3	64	54	41	4	-	-	-
GP401 Pro Series	28467	3"	63-128	3.0	-	61	52	44	22	-	-
GP501 Pro Series	28468	3"	68-146	3.8	-	-	-	70	57	30	10

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PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	15:41
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21318				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36798

Project ID: AK ALLEN
Client ID: AA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	
Acetone	4.00	*0.421*	9.50	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: AA-1

Phoenix I.D.: CG36798

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.100	*0.032*	0.63	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.591	*0.485*	1.22	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.306	*0.202*	1.51	*1.00*	07/21/20	KCA	1	
Ethanol	7.68	*0.531*	14.5	*1.00*	07/21/20	KCA	1	,B*
Ethyl acetate	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	07/21/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	0.837	*0.407*	2.06	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	07/21/20	KCA	1	
m,p-Xylene	0.247	*0.230*	1.07	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	0.432	*0.339*	1.27	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	07/21/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	0.092	*0.037*	0.62	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	ND	*0.266*	ND	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.287	*0.178*	1.61	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	98	*%*	98	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	82	*%*	82	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	83	*%*	83	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	86	*%*	86	*%*	07/21/20	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:34
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	368				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36799

Project ID: AK ALLEN
Client ID: IA-6

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	5.89	*0.204*	28.9	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	1.83	*0.204*	8.99	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	5.21	*0.204*	25.6	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	0.190	*0.182*	1.04	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	3.21	*0.244*	13.1	*1.00*	07/21/20	KCA	1	
Acetone	20.6	*0.421*	48.9	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	2.06	*0.313*	6.58	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-6

Phoenix I.D.: CG36799

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND	*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.102	*0.032*	0.64	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.681	*0.485*	1.41	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	3.75	*0.291*	12.9	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.294	*0.202*	1.45	*1.00*	07/21/20	KCA	1	
Ethanol	242	*10.6*	456	*20.0*	07/21/20	KCA	20	1,B
Ethyl acetate	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	3.77	*0.230*	16.4	*1.00*	07/21/20	KCA	1	
Heptane	9.35	*0.244*	38.3	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	5.84	*0.284*	20.6	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	0.481	*0.204*	2.36	*1.00*	07/21/20	KCA	1	
m,p-Xylene	12.2	*0.230*	52.9	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	2.62	*0.339*	7.72	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	408	*17.3*	1420	*60.1*	07/21/20	KCA	20	
n-Butylbenzene	0.451	*0.182*	2.47	*1.00*	07/21/20	KCA	1	1
o-Xylene	4.60	*0.230*	20.0	*1.00*	07/21/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	0.197	*0.182*	1.08	*1.00*	07/21/20	KCA	1	1
Styrene	0.279	*0.235*	1.19	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	0.095	*0.037*	0.64	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	33.1	*0.266*	125	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.270	*0.178*	1.52	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	100	*%*	100	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	79	*%*	79	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	78	*%*	78	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	88	*%*	88	*%*	07/21/20	KCA	1	
% Bromofluorobenzene (20x)	99	*%*	99	*%*	07/21/20	KCA	20	
% IS-1,4-Difluorobenzene (20x)	97	*%*	97	*%*	07/21/20	KCA	20	
% IS-Bromochloromethane (20x)	95	*%*	95	*%*	07/21/20	KCA	20	
% IS-Chlorobenzene-d5 (20x)	98	*%*	98	*%*	07/21/20	KCA	20	

Project ID: AK ALLEN
Client ID: IA-6

Phoenix I.D.: CG36799

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:23
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28613				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36800

Project ID: AK ALLEN
Client ID: IA-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	5.15	*0.204*	25.3	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	1.59	*0.204*	7.81	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	4.66	*0.204*	22.9	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	2.82	*0.244*	11.5	*1.00*	07/21/20	KCA	1	
Acetone	17.2	*0.421*	40.8	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	1.87	*0.313*	5.97	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-5

Phoenix I.D.: CG36800

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.098		*0.032*	0.62	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.578		*0.485*	1.19	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	3.37		*0.291*	11.6	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.290		*0.202*	1.43	*1.00*	07/21/20	KCA	1	
Ethanol	204	E	*0.531*	384	*1.00*	07/21/20	KCA	1	1,B
Ethyl acetate	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	3.50		*0.230*	15.2	*1.00*	07/21/20	KCA	1	
Heptane	7.34		*0.244*	30.1	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	5.38		*0.284*	19.0	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	4.10		*0.407*	10.1	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	0.466		*0.204*	2.29	*1.00*	07/21/20	KCA	1	
m,p-Xylene	11.4		*0.230*	49.5	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	2.16		*0.339*	6.37	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	40.0		*0.864*	139	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	0.422		*0.182*	2.32	*1.00*	07/21/20	KCA	1	1
o-Xylene	4.29		*0.230*	18.6	*1.00*	07/21/20	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	0.188		*0.182*	1.03	*1.00*	07/21/20	KCA	1	1
Styrene	0.246		*0.235*	1.05	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	0.124		*0.037*	0.84	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	29.0		*0.266*	109	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.259		*0.178*	1.45	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101		*%*	101	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	88		*%*	88	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	88		*%*	88	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	95		*%*	95	*%*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-5

Phoenix I.D.: CG36800

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

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Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:14
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	220				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36801

Project ID: AK ALLEN
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	1.93	*0.204*	9.48	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	0.736	*0.204*	3.62	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	1.86	*0.204*	9.14	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.335	*0.244*	1.37	*1.00*	07/21/20	KCA	1	
Acetone	11.7	*0.421*	27.8	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-3

Phoenix I.D.: CG36801

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.096		*0.032*	0.60	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.598		*0.485*	1.23	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.289		*0.202*	1.43	*1.00*	07/21/20	KCA	1	
Ethanol	217	E	*0.531*	409	*1.00*	07/21/20	KCA	1	1,B
Ethyl acetate	1.41		*0.278*	5.08	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	0.343		*0.230*	1.49	*1.00*	07/21/20	KCA	1	
Heptane	0.658		*0.244*	2.69	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	0.578		*0.284*	2.04	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	3.59		*0.407*	8.82	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	07/21/20	KCA	1	
m,p-Xylene	1.15		*0.230*	4.99	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	1.23		*0.339*	3.63	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	8.18		*0.864*	28.4	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	07/21/20	KCA	1	1
o-Xylene	0.629		*0.230*	2.73	*1.00*	07/21/20	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	07/21/20	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	ND		*0.037*	ND	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	2.46		*0.266*	9.26	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	0.042		*0.037*	0.23	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.257		*0.178*	1.44	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals									
% Bromofluorobenzene	102		*%*	102	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	94		*%*	94	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	93		*%*	93	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	95		*%*	95	*%*	07/21/20	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:26
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28553				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36802

Project ID: AK ALLEN
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	2.31	*0.204*	11.3	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	0.891	*0.204*	4.38	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	2.18	*0.204*	10.7	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	
Acetone	11.8	*0.421*	28.0	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-2

Phoenix I.D.: CG36802

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.097		*0.032*	0.61	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.628		*0.485*	1.30	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.318		*0.202*	1.57	*1.00*	07/21/20	KCA	1	
Ethanol	239	E	*0.531*	450	*1.00*	07/21/20	KCA	1	1,B
Ethyl acetate	1.07		*0.278*	3.85	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	0.255		*0.230*	1.11	*1.00*	07/21/20	KCA	1	
Heptane	0.421		*0.244*	1.72	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	0.389		*0.284*	1.37	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	4.31		*0.407*	10.6	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	07/21/20	KCA	1	
m,p-Xylene	0.947		*0.230*	4.11	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	1.34		*0.339*	3.95	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	3.70		*0.864*	12.8	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	07/21/20	KCA	1	1
o-Xylene	0.596		*0.230*	2.59	*1.00*	07/21/20	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	07/21/20	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	0.091		*0.037*	0.62	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	1.83		*0.266*	6.89	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.263		*0.178*	1.48	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99		*%*	99	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	94		*%*	94	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	92		*%*	92	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	98		*%*	98	*%*	07/21/20	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:40
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	156				

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36803

Project ID: AK ALLEN
Client ID: IA-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	5.47	*0.204*	26.9	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	2.07	*0.204*	10.2	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	4.89	*0.204*	24.0	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	0.188	*0.182*	1.03	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	
Acetone	15.2	*0.421*	36.1	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	1.22	*0.313*	3.90	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-4

Phoenix I.D.: CG36803

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.097		*0.032*	0.61	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.635		*0.485*	1.31	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	0.096		*0.051*	0.38	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	2.12		*0.291*	7.29	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.295		*0.202*	1.46	*1.00*	07/21/20	KCA	1	
Ethanol	414	E	*0.531*	780	*1.00*	07/21/20	KCA	1	1,B
Ethyl acetate	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	2.13		*0.230*	9.24	*1.00*	07/21/20	KCA	1	
Heptane	4.34		*0.244*	17.8	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	3.38		*0.284*	11.9	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	7.06		*0.407*	17.3	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	0.464		*0.204*	2.28	*1.00*	07/21/20	KCA	1	
m,p-Xylene	7.15		*0.230*	31.0	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	2.28		*0.339*	6.72	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	29.7		*0.864*	103	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	0.337		*0.182*	1.85	*1.00*	07/21/20	KCA	1	1
o-Xylene	2.95		*0.230*	12.8	*1.00*	07/21/20	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	0.208		*0.182*	1.14	*1.00*	07/21/20	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	1.30		*0.037*	8.81	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	17.0		*0.266*	64.0	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.266		*0.178*	1.49	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99		*%*	99	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	92		*%*	92	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	93		*%*	93	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	99		*%*	99	*%*	07/21/20	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

July 21, 2020

FOR: Attn: James D. Urbat
NAC Consultants Inc.
28 Henry Street
Kings Park, NY 11754

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	JU	07/18/20	16:04
Location Code:	NAC	Received by:	B	07/20/20	15:50
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	16009				

Project ID: AK ALLEN
Client ID: IA-1

Laboratory Data

SDG ID: GCG36798
Phoenix ID: CG36804

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	07/21/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	07/21/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	07/21/20	KCA	1	
1,2,4-Trimethylbenzene	5.11	*0.204*	25.1	*1.00*	07/21/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	07/21/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	07/21/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	07/21/20	KCA	1	
1,3,5-Trimethylbenzene	2.05	*0.204*	10.1	*1.00*	07/21/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	07/21/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	07/21/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	07/21/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	1
4-Ethyltoluene	4.56	*0.204*	22.4	*1.00*	07/21/20	KCA	1	1
4-Isopropyltoluene	0.186	*0.182*	1.02	*1.00*	07/21/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	07/21/20	KCA	1	
Acetone	16.7	*0.421*	39.6	*1.00*	07/21/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	07/21/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	07/21/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	07/21/20	KCA	1	

Project ID: AK ALLEN
Client ID: IA-1

Phoenix I.D.: CG36804

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By		
Bromodichloromethane	ND		*0.149*	ND	*1.00*	07/21/20	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	07/21/20	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	07/21/20	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	07/21/20	KCA	1	
Carbon Tetrachloride	0.097		*0.032*	0.61	*0.20*	07/21/20	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	07/21/20	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	07/21/20	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	07/21/20	KCA	1	
Chloromethane	0.644		*0.485*	1.33	*1.00*	07/21/20	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	ND	*0.20*	07/21/20	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	07/21/20	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	07/21/20	KCA	1	
Dichlorodifluoromethane	0.307		*0.202*	1.52	*1.00*	07/21/20	KCA	1	
Ethanol	334	E	*0.531*	629	*1.00*	07/21/20	KCA	1	1,B
Ethyl acetate	0.888		*0.278*	3.20	*1.00*	07/21/20	KCA	1	1
Ethylbenzene	0.365		*0.230*	1.58	*1.00*	07/21/20	KCA	1	
Heptane	0.701		*0.244*	2.87	*1.00*	07/21/20	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	07/21/20	KCA	1	
Hexane	0.404		*0.284*	1.42	*1.00*	07/21/20	KCA	1	
Isopropylalcohol	11.8		*0.407*	29.0	*1.00*	07/21/20	KCA	1	
Isopropylbenzene	0.414		*0.204*	2.03	*1.00*	07/21/20	KCA	1	
m,p-Xylene	1.59		*0.230*	6.90	*1.00*	07/21/20	KCA	1	
Methyl Ethyl Ketone	1.80		*0.339*	5.31	*1.00*	07/21/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	07/21/20	KCA	1	
Methylene Chloride	4.56		*0.864*	15.8	*3.00*	07/21/20	KCA	1	
n-Butylbenzene	0.231		*0.182*	1.27	*1.00*	07/21/20	KCA	1	1
o-Xylene	1.13		*0.230*	4.90	*1.00*	07/21/20	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	07/21/20	KCA	1	1
sec-Butylbenzene	0.191		*0.182*	1.05	*1.00*	07/21/20	KCA	1	1
Styrene	0.287		*0.235*	1.22	*1.00*	07/21/20	KCA	1	
Tetrachloroethene	0.055		*0.037*	0.37	*0.25*	07/21/20	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	07/21/20	KCA	1	1
Toluene	2.58		*0.266*	9.7	*1.00*	07/21/20	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	07/21/20	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	07/21/20	KCA	1	
Trichloroethene	ND		*0.037*	ND	*0.20*	07/21/20	KCA	1	
Trichlorofluoromethane	0.258		*0.178*	1.45	*1.00*	07/21/20	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	07/21/20	KCA	1	
Vinyl Chloride	ND		*0.078*	ND	*0.20*	07/21/20	KCA	1	
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99		*%*	99	*%*	07/21/20	KCA	1	
% IS-1,4-Difluorobenzene	94		*%*	94	*%*	07/21/20	KCA	1	
% IS-Bromochloromethane	93		*%*	93	*%*	07/21/20	KCA	1	
% IS-Chlorobenzene-d5	97		*%*	97	*%*	07/21/20	KCA	1	

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
July 21, 2020
Official Report Release To Follow

Sample Criteria Exceedances Report

GCG36798 - NAC

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES
800-827-5426
email: greg@phoenixlabs.com

P.O. # WCIP 1.0 Page 1 of 1

Data Delivery:
☐ Fax #:
☐ Email:
☐ Phone #:

Report to: James Urbat
Customer: NAC
Address: 26 Henry Street
Rings Park NY

Project Name: Ak Allen
Invoice to: NAC
Sampled by: James Urbat

Data Format: (Circle) Equis Excel Other:
Requested Deliverable: RCP ASP CAT B MCP NJ Deliverables
Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
36798	AA-1	21318	6.0	-30	-8	2974	10.8	8:41	15:41	7/18/20	-28	-5	X			X	
36799	IA-6	368			-6	7040		8:46	16:34		-29	-5	X			X	
36800	IA-5	28613			-6	2929		8:47	16:23		-30	-5	X			X	
36801	IA-3	220			-6	7023		8:42	16:14		-29	-5	X			X	
36802	IA-2	28553			-4	3504		8:43	16:26		-30	-5	X			X	
36803	IA-4	156			-4	6987		8:48	16:40		-30	-5	X			X	
36804	IA-1	16009			-5	0862		8:44	16:04		-30	-5	X			X	

Relinquished by: [signature] Date: 7.20.20 Time: 10:14
[signature] 7/20 15:50

Accepted by: [signature]

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: [signature] Date:

State Where Samples Collected:

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
24-Hr TAT (7) (6.0L) (8hr)

Turnaround Time:
- 1 Day ☒
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☐

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion	**Indoor Air** Residential Non-residential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial

APPENDIX B PHOTOLOG

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No.	Date:
1	9/8/2023

SVE System

Description:
SVE-A through D

Photo No.	Date:
2	9/8/2023

SVE System

Description:
SVE-A and SVE-B

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No.	Date:
3	9/8/2023

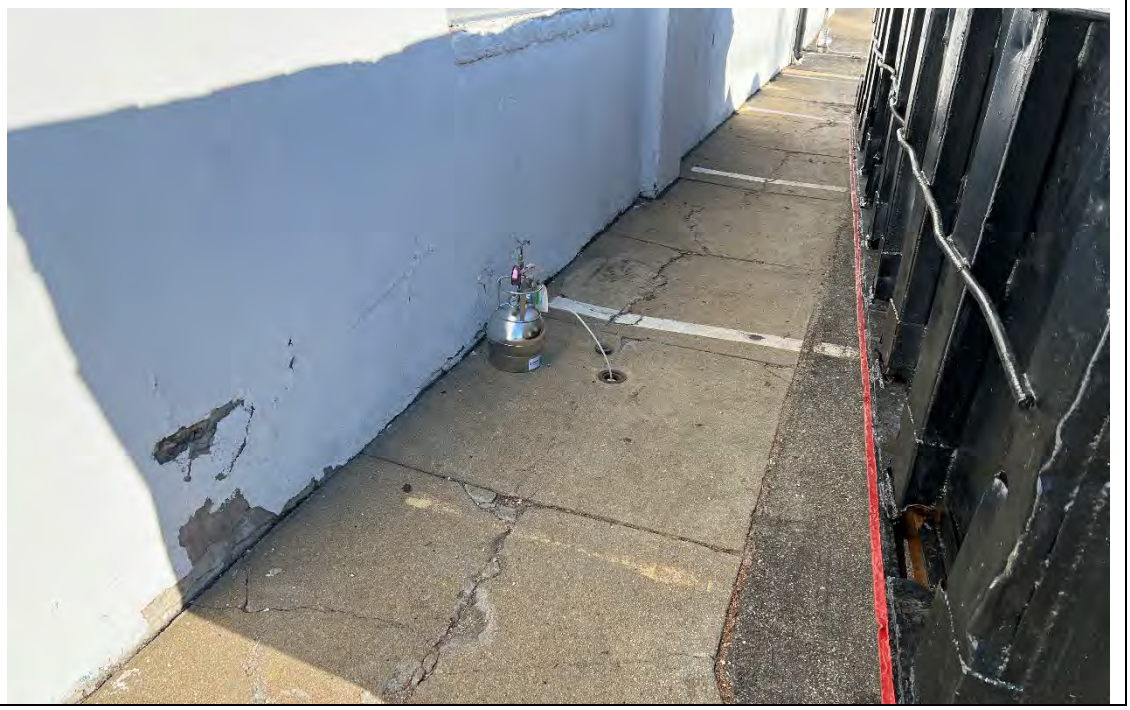
SVE System

Description:
SVE-C and SVE-D

Photo No.	Date:
4	9/8/2023

SVE System

Description:
SG-3



PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No. 5	Date: 9/8/2023
SVE System	
Description: SG-4R	

Photo No. 6	Date: 9/8/2023
SVE System	
Description: SG-5R	

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No. 7	Date: 9/8/2023
SVE System	
Description: SVE-INF (preknock)	

Photo No. 8	Date: 9/8/2023
SVE System	
Description: SVE System	

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No. 9	Date: 9/8/2023
SVE System	
Description: SVE-INF, -CARBON, -EFF	

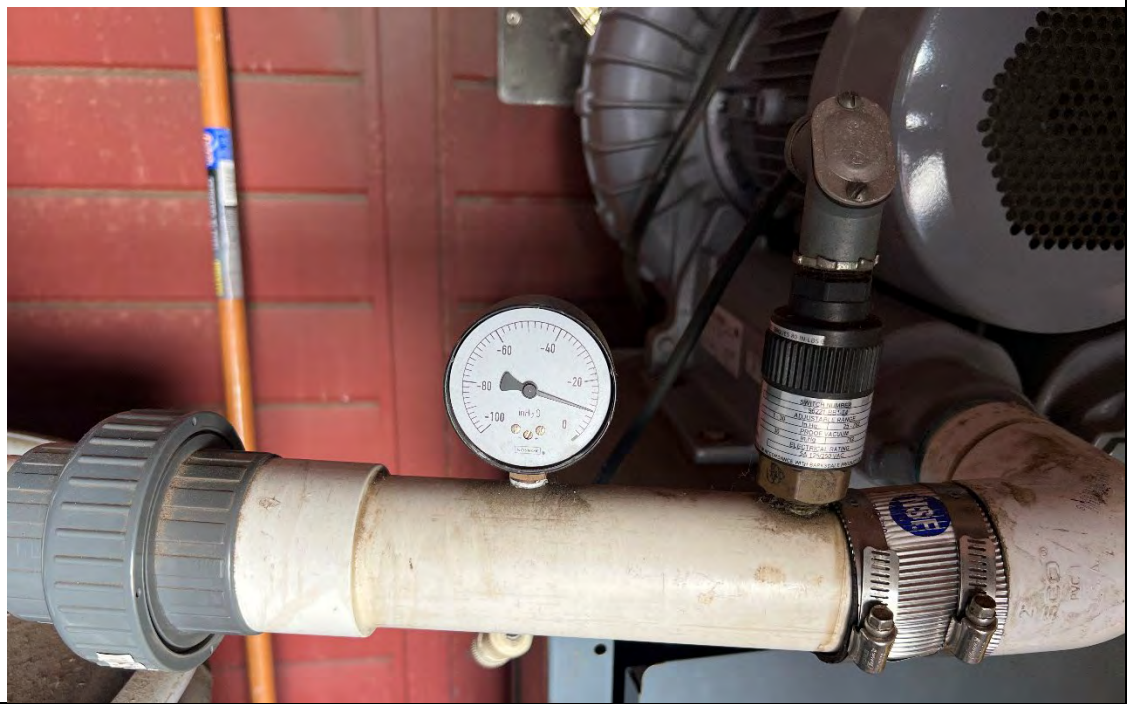
Photo No. 10	Date: 9/8/2023
SVE System	
Description: SVE System	

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No. 11	Date: 9/8/2023
SVE System	
Description: Knockout Gauge	

Photo No. 12	Date:
SVE System	
Description: Gauge Upstream of Blower	



PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Steel Equities	225-255 East 2nd Street, Mineola, NY	0560708.33

Photo No.	Date:
13	

SVE System

Description:
Gauge Downstream of Blower/Upstream of Carbon Drums

APPENDIX C SOIL VAPOR FIELD SAMPLING SHEETS

Environmental Resources Management
277 Park Avenue 20th Floor
New York, NY 10017
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Mastro
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	58° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.35

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-052323		**SVE-C-052323**		~~**SVE-A-052323**~~		~~**SVE-B-052323**~~	
Canister Serial No.:	13561	Canister Serial No.:	28801	~~Canister Serial No.:~~	~~15612~~	~~Canister Serial No.:~~	~~24114~~
Flow Controller Id No:	37790	Flow Controller Id No:	5607	~~Flow Controller No:~~			
Start Date/Time:	5/23/2023 12:00	Start Date/Time:	5/23/2023 11:20	~~Start Date/Time:~~	~~5/23/2023 12:40~~	~~Start Date/Time:~~	~~5/23/2023 13:15~~
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	~~Start Pressure: (inches Hg)~~	~~-30~~	~~Start Pressure: (inches Hg)~~	~~-30~~
Stop Date/Time:	5/23/2023 14:00	Stop Date/Time:	5/23/2023 13:20	~~Stop Date/Time:~~	~~5/23/2023 14:40~~	~~Stop Date/Time:~~	~~5/23/2023 15:15~~
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-5	~~Stop Pressure: (inches Hg)~~	~~-20~~	~~Stop Pressure: (inches Hg)~~	~~-18~~

Note that these samples were cancelled due to problems with flow regulators and resampled on 1 June 2023 prior to SVE system startup.

Other Sampling Information:

PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	~~PID Reading (ppm)~~	~~0.0~~	~~PID Reading (ppm)~~	~~0.0~~
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	~~Surface/Slab Type~~	~~Asphalt~~	~~Surface/Slab Type~~	~~Asphalt~~
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	~~Surface/Slab Thickness (in)~~	~~4~~	~~Surface/Slab Thickness (in)~~	~~4~~
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	~~Helium Leak Test/Results~~	~~No leaks~~	~~Helium Leak Test/Results~~	~~No leaks~~
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	~~Depth of Vapor Probe (ft)~~	~~5 - 20~~	~~Depth of Vapor Probe (ft)~~	~~25 - 40~~
Noticeable Odor?	No	Noticeable Odor?	No	~~Noticeable Odor?~~	~~No~~	~~Noticeable Odor?~~	~~No~~
Duplicate Sample?	No	Duplicate Sample?	No	~~Duplicate Sample?~~	~~No~~	~~Duplicate Sample?~~	~~No~~

Comments:

Signature:

Environmental Resources Management
277 Park Avenue 20th Floor
New York, NY 10017
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Mastro
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	58° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.35

SUMMA Canister Record:

Soil Vapor	**Soil Vapor**	**Soil Vapor**	**Soil Vapor**
Sample ID:	**Sample ID:**	**Sample ID:**	**Sample ID:**
SG-3-052323	**SG-4-052323**	**SG-5-052323**	
Canister Serial No.: 43003	Canister Serial No.: 24117	Canister Serial No.: 42998	Canister Serial No.:
Flow Controller Id No: Y-39	Flow Controller Id No: 6877	Flow Controller Id No: 6865	Flow Controller Id No:
Start Date/Time: 5/23/2023 10:05	Start Date/Time: 5/23/2023 13:30	Start Date/Time: 5/23/2023 13:35	Start Date/Time:
Start Pressure: (inches Hg) -30	Start Pressure: (inches Hg) -30	Start Pressure: (inches Hg) -30	Start Pressure: (inches Hg)
Stop Date/Time: 5/23/2023 12:05	Stop Date/Time: 5/23/2023 15:30	Stop Date/Time: 5/23/2023 15:35	Stop Date/Time:
Stop Pressure: (inches Hg) -12	Stop Pressure: (inches Hg) -7	Stop Pressure: (inches Hg) -8	Stop Pressure: (inches Hg)

Other Sampling Information:

PID Reading (ppm) 0.0	PID Reading (ppm) 0.0	PID Reading (ppm) 0.0	PID Reading (ppm)
Surface/Slab Type Asphalt	Surface/Slab Type Asphalt	Surface/Slab Type Asphalt	Surface/Slab Type
Surface/Slab Thickness (in) 4	Surface/Slab Thickness (in) 4	Surface/Slab Thickness (in) 4	Surface/Slab Thickness (in)
Helium Leak Test/Results No leaks	Helium Leak Test/Results No leaks	Helium Leak Test/Results No leaks	Helium Leak Test/Results
Depth of Vapor Probe (ft) 4.5 - 9.5	Depth of Vapor Probe (ft) 4.5 - 9.5	Depth of Vapor Probe (ft) 4.5 - 9.5	Depth of Vapor Probe (ft)
Noticeable Odor? No	Noticeable Odor? No	Noticeable Odor? No	Noticeable Odor?
Duplicate Sample? No	Duplicate Sample? No	Duplicate Sample? No	Duplicate Sample?

Comments:

Signature:

Environmental Resources Management
277 Park Avenue 20th Floor
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Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Mastro
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	67° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.14

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-A-060123		**SVE-B-060123**					
Canister Serial No.:	37791	Canister Serial No.:	28303	Canister Serial No.:		Canister Serial No.:	
Flow Controller Id No:	7289	Flow Controller Id No:	12182	Flow Controller Id No:		Flow Controller Id No:	
Start Date/Time:	6/1/2023 9:45	Start Date/Time:	6/1/2023 9:30	Start Date/Time:		Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	
Stop Date/Time:	6/1/2023 11:45	Stop Date/Time:	6/1/2023 11:30	Stop Date/Time:		Stop Date/Time:	
Stop Pressure: (inches Hg)	-5	Stop Pressure: (inches Hg)	-5	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)		PID Reading (ppm)	
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type		Surface/Slab Type	
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)		Surface/Slab Thickness (in)	
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results		Helium Leak Test/Results	
Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)		Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?		Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?		Duplicate Sample?	

Comments:

Signature:

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Mastro
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	67° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.14

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-INF-060123		**SVE-CARBON-060123**		**SVE-EFF-060123**			
Canister Serial No.:	18302	Canister Serial No.:	37319	Canister Serial No.:	5628	Canister Serial No.:	
Flow Controller Id No:	7076	Flow Controller Id No:	3540	Flow Controller Id No:	17178	Flow Controller Id No:	
Start Date/Time:	6/1/2023 13:00	Start Date/Time:	6/1/2023 13:05	Start Date/Time:	6/1/2023 13:10	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	6/1/2023 15:00	Stop Date/Time:	6/1/2023 15:05	Stop Date/Time:	6/1/2023 15:10	Stop Date/Time:	
Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	

Other Sampling Information:

PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	
Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	
Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature:

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	85° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	29.95

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-090823		**SVE-C-090823**		**SVE-A-090823**		**SVE-B-090823**	
Canister Serial No.:	20665	Canister Serial No.:	20944	Canister Serial No.:	41838	Canister Serial No.:	37420
Flow Controller Id No:	17893	Flow Controller Id No:	5604	Flow Controller Id No:	Y-23	Flow Controller Id No:	12185
Start Date/Time:	9/8/2023 12:10	Start Date/Time:	9/8/2023 12:11	Start Date/Time:	9/8/2023 12:14	Start Date/Time:	9/8/2023 12:15
Start Pressure: (inches Hg)	-28.5	Start Pressure: (inches Hg)	-29	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30
Stop Date/Time:	9/8/2023 14:10	Stop Date/Time:	9/8/2023 14:11	Stop Date/Time:	9/8/2023 14:14	Stop Date/Time:	9/8/2023 14:15
Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-3	Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	-6
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments:

Signature: 

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	85° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	29.95

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-INF-090823		**SVE-CARBON-090823**		**SVE-EFF-090823**			
Canister Serial No.:	19529	Canister Serial No.:	28298	Canister Serial No.:	42989	Canister Serial No.:	
Flow Controller Id No:	5627	Flow Controller Id No:	7269	Flow Controller Id No:	13561	Flow Controller Id No:	
Start Date/Time:	9/8/2023 12:17	Start Date/Time:	9/8/2023 12:15	Start Date/Time:	9/8/2023 12:20	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	9/8/2023 14:02	Stop Date/Time:	9/8/2023 14:15	Stop Date/Time:	9/8/2023 14:20	Stop Date/Time:	
Stop Pressure: (inches Hg)	-1	Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	
Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	
Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature: Debby Edwards

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	71° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.03

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-100623		**SVE-C-100623**		**SVE-A-100623**		**SVE-B-100623**	
Canister Serial No.:	28857	Canister Serial No.:	41848	Canister Serial No.:	28836	Canister Serial No.:	28300
Flow Controller Id No:	12191	Flow Controller Id No:	17177	Flow Controller Id No:	17994	Flow Controller Id No:	17202
Start Date/Time:	10/6/2023 11:31	Start Date/Time:	10/6/2023 11:30	Start Date/Time:	10/6/2023 11:33	Start Date/Time:	10/6/2023 11:32
Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-30 +
Stop Date/Time:	10/6/2023 13:31	Stop Date/Time:	10/6/2023 13:30	Stop Date/Time:	10/6/2023 13:33	Stop Date/Time:	10/6/2023 13:32
Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-8
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments:

Signature: 

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	71° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.03

SUMMA Canister Record:

Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SG-3-100623		**SG-4R-100623**		**SG-5R-100623**			
Canister Serial No.:	17353	Canister Serial No.:	34496	Canister Serial No.:	10042	Canister Serial No.:	
Flow Controller Id No:	7269	Flow Controller Id No:	12188	Flow Controller Id No:	4762	Flow Controller Id No:	
Start Date/Time:	10/6/2023 11:28	Start Date/Time:	10/6/2023 11:27	Start Date/Time:	10/6/2023 11:29	Start Date/Time:	
Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-29	Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	
Stop Date/Time:	10/6/2023 13:28	Stop Date/Time:	10/6/2023 13;27	Stop Date/Time:	10/6/2023 13:29	Stop Date/Time:	
Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-9	Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature:

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	52° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.48

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-110323		**SVE-C-110323**		**SVE-A-110323**		**SVE-B-110323**	
Canister Serial No.:	15612	Canister Serial No.:	16953	Canister Serial No.:	10115	Canister Serial No.:	48297
Flow Controller Id No:	5707	Flow Controller Id No:	Y-42	Flow Controller Id No:	5627	Flow Controller Id No:	13565
Start Date/Time:	11/3/2023 11:01	Start Date/Time:	11/3/2023 11:00	Start Date/Time:	11/3/2023 10:45	Start Date/Time:	11/3/2023 10:46
Start Pressure: (inches Hg)	-30+	Start Pressure: (inches Hg)	-30+	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30
Stop Date/Time:	11/3/2023 13:01	Stop Date/Time:	11/3/2023 13:00	Stop Date/Time:	11/3/2023 12:45	Stop Date/Time:	11/3/2023 12:46
Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	-12	Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-10
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments:

Signature:

Environmental Resources Management
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Phone: (631) 756-8900
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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	52° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.48

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-INF-110323		**SVE-CARBON-110323**		**SVE-EFF-110323**			
Canister Serial No.:	48305	Canister Serial No.:	18306	Canister Serial No.:	23998	Canister Serial No.:	
Flow Controller Id No:	17893	Flow Controller Id No:	17202	Flow Controller Id No:	Y-39	Flow Controller Id No:	
Start Date/Time:	11/3/2023 10:27	Start Date/Time:	11/3/2023 10:29	Start Date/Time:	11/3/2023 10:33	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30+	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	11/3/2023 12:01	Stop Date/Time:	11/3/2023 12:29	Stop Date/Time:	11/3/2023 12:33	Stop Date/Time:	
Stop Pressure: (inches Hg)	-2	Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	-5	Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	N/A	Surface/Slab Type	
Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	N/A	Surface/Slab Thickness (in)	
Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	N/A	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	N/A	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature:

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Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	44° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.18

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-120123		**SVE-C-120123**		**SVE-A-120123**		**SVE-B-120123**	
Canister Serial No.:	28842	Canister Serial No.:	16691	Canister Serial No.:	23800	Canister Serial No.:	17351
Flow Controller Id No:	3350	Flow Controller Id No:	12183	Flow Controller Id No:	5707	Flow Controller Id No:	17202
Start Date/Time:	12/1/2023 12:13	Start Date/Time:	12/1/2023 12:12	Start Date/Time:	12/1/2023 12:10	Start Date/Time:	12/1/2023 12:11
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-27	Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-28
Stop Date/Time:	12/1/2023 14:13	Stop Date/Time:	12/1/2023 14:12	Stop Date/Time:	12/1/2023 14:10	Stop Date/Time:	12/1/2023 14:11
Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	-5
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments:

Signature:

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Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	44° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.18

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SG-3-120123		**SG-4R-120123**		**SG-5R-120123**			
Canister Serial No.:	42998	Canister Serial No.:	41841	Canister Serial No.:	48287	Canister Serial No.:	
Flow Controller Id No:	17990	Flow Controller Id No:	13561	Flow Controller Id No:	7423	Flow Controller Id No:	
Start Date/Time:	12/1/2023 12:14	Start Date/Time:	12/1/2023 12:15	Start Date/Time:	12/1/2023 12:16	Start Date/Time:	
Start Pressure: (inches Hg)	-28	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	12/1/2023 14:14	Stop Date/Time:	12/1/2023 14:15	Stop Date/Time:	12/1/2023 14:16	Stop Date/Time:	
Stop Pressure: (inches Hg)	-4	Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	-7	Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature: Debby Edmonds

Environmental Resources Management
277 Park Avenue 20th Floor
New York, NY 10017
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	32° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.34

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SVE-D-010524		**SVE-C-010524**		**SVE-A-010524**		**SVE-B-010524**	
Canister Serial No.:	41940	Canister Serial No.:	16144	Canister Serial No.:	34493	Canister Serial No.:	28856
Flow Controller Id No:	Y-39	Flow Controller Id No:	4762	Flow Controller Id No:	13574	Flow Controller Id No:	7423
Start Date/Time:	1/5/2024 10:22	Start Date/Time:	1/5/2024 11:30	Start Date/Time:	1/5/2024 10:17	Start Date/Time:	1/5/2024 10:18
Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-30 +	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30 +
Stop Date/Time:	1/5/2024 12:22	Stop Date/Time:	1/5/2024 13:30	Stop Date/Time:	1/5/2024 12:17	Stop Date/Time:	1/5/2024 12:18
Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	-10	Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	-9
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks
Depth of Vapor Probe (ft)	25 - 40	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	5 - 20	Depth of Vapor Probe (ft)	25 - 40
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments:

Signature: Jeffrey Edmonds

Environmental Resources Management
277 Park Avenue 20th Floor
New York, NY 10017
Phone: (631) 756-8900
Fax: (631) 756-8901

Project #: 0560708.33
Project Name: Steel Equities

Location: Mineola, NY
Project Manager: C. Wenczel

Sample Location:	Parking Lot	**Collector(s):**	J. Edmonds
Address:	225 - 255 East 2nd Street, Mineola, NY 11501		
Helium Meter Serial #	34225	**Temperature:**	32° F
PID Meter Serial #	592-000265	**Barometric Pressure:**	30.34

SUMMA Canister Record:

Soil Vapor		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Sample ID:		**Sample ID:**		**Sample ID:**		**Sample ID:**	
SG-3-010524		**SG-4R-010524**		**SG-5R-010524**			
Canister Serial No.:	42991	Canister Serial No.:	37781	Canister Serial No.:	48321	Canister Serial No.:	
Flow Controller Id No:	13558	Flow Controller Id No:	17904	Flow Controller Id No:	5624	Flow Controller Id No:	
Start Date/Time:	1/5/2024 10:13	Start Date/Time:	1/5/2024 10:15	Start Date/Time:	1/5/2024 10:16	Start Date/Time:	
Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	-30	Start Pressure: (inches Hg)	
Stop Date/Time:	1/5/2024 12:13	Stop Date/Time:	1/5/2024 12:15	Stop Date/Time:	1/5/2024 12:16	Stop Date/Time:	
Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	-8	Stop Pressure: (inches Hg)	-6	Stop Pressure: (inches Hg)	
Other Sampling Information:							
PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	0.0	PID Reading (ppm)	
Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	Asphalt	Surface/Slab Type	
Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	4	Surface/Slab Thickness (in)	
Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	No leaks	Helium Leak Test/Results	
Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	4.5 - 9.5	Depth of Vapor Probe (ft)	
Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	

Comments:

Signature: Debby Edmonds

APPENDIX D SOIL VAPOR DATA USABILITY REPORTS

ERM

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Floor 22
Seattle, WA, 98101

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MEMO

TO	Chris Wenczel
FROM	Andy Coenen
DATE	9 February 2024
REFERENCE	0560708
SUBJECT	Data Useability Summary Report Steel Equities, 255 E2nd Street, Mineola, New York 2023 May to December Soil Vapor Sampling York Analytical, Stratford, Connecticut SDGs: 23E1379, 23F0077, 23I0538, 23J0509, 23K0342, 23L0129, 24A0411

1. DELIVERABLES

The data packages referenced above for 45 air samples were generated following the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B deliverable format.

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 reviewer's professional judgment, and in accordance with the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Superfund Methods Data Review (November 2020) and 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. All analytical results underwent a manual Stage 4 validation, as detailed in Appendix A of USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (January 2009).

This Data Useability Summary Report (DUSR) pertains to the following air and QC samples collected from 23 May to 5 January 2024.

Samples		
23E1379	**23F0077**	**23I0538**
SVE-A-052323	SVE-B-060123	SVE-A-090823
SVE-B-052323	SVE-A-060123	SVE-B-090823
SVE-C-052323	SVE-INF-060123	SVE-C-090823
SVE-D-052323	SVE-Carbon-060123	SVE-D-090823
SG-3-052323	SVE-EFF-060123	SVE-INF-090823
SG-4-052323		SVE-CARBON-090823
SG-5-052323		SVE-EFF-090823
23J0509	**23K0342**	**23L0129**
SVE-A-100623	SVE-A-110323	SVE-A-120123
SVE-B-100623	SVE-B-110323	SVE-B-120123
SVE-C-100623	SVE-C-110323	SVE-C-120123
SVE-D-100623	SVE-D-110323	SVE-D-120123
SG-3-100623	SVE-INF-110323	SG-3-120123
SG-4R-100623	SVE-Carbon-110323	SG-4R-120123
SG-5R-100623	SVE-EFF-110323	SG-5R-120123
24A0411		
SG-3-010524	SVE-A-010524	SVE-C-010524
SG-4R-010524	SVE-B-010524	SVE-D-010524
SG-5R-010524		

2. GENERAL COMMENTS

The Chains-of-Custody (COCs) were reviewed for completeness and accuracy. Sample SVE-A-052323 was received at the laboratory with a vacuum of -21.27 “Hg remaining while sample SVE-B-052323 was received at the laboratory with an open valve. The analysis for both samples was cancelled. No other discrepancies were observed.

The case narratives were reviewed, and any QC issues noted by the laboratory are discussed in detail below.

Analytes positively identified at concentrations below their respective reporting limit (RL), but above the method detection limit (MDL), are qualified with a “J” by the laboratory to indicate they are quantitative estimates. No additional qualification is required. All data are valid and usable to meet the project data quality objectives (DQO).

The laboratory has noted several analytes they are not certified for or where certification is not offered. These analytes are 1,1,1,2-Tetrachloroethane, 1,3-Dichloropropane, 2-Hexanone, Ethyl acetate, p-Ethyltoluene, Propylene, and Tetrahydrofuran. This is acceptable to meet the project DQO and no qualification for these analytes is therefore required.

3. VOLATILE ORGANIC DATA

HOLDING TIME (HT)

All HT met QC criteria.

CANISTER AND FLOW CONTROLLER RECEIPT

A review of the final canister pressures by the laboratory upon sample receipt indicated no other discrepancies than those listed in the previous section.

CANISTER CERTIFICATION

Canisters were batch clean certified. No issues were documented by the laboratory.

LAB CHECK SAMPLE (LCS)

All percent recoveries (%R) met QC criteria except those in the table below. Results for analytes with a %R above QC criteria may be biased high. Positive results for biased high analytes are qualified "J" while non-detects do not require qualification.

Analysis Batch	Analyte(s)	LCS %R	Bias	Qualifier	Qualified Samples
BE31890	Freon 113 1,2,4-Trichlorobenzene Bromomethane Vinyl bromide	134 132 134 140	High High High High	None-all ND	None
BE31967	Freon 113 1,2,4-Trichlorobenzene Bromomethane Chloroethane Vinyl bromide	134 137 134 131 141	High High High High High	None-all ND	None
BF30432	1,2,4-Trichlorobenzene 1,2-Dichlorotetrafluoroethane Chloromethane	156 153 150	High High High	None-all ND None-all ND J	None None SVE-B-060123 SVE-A-060123 SVE-INF-060123 SVE-CARBON-060123 SVE-EFF-060123
BI31151	Hexachlorobutadiene	68.6	Low	UJ	SVE-INF-090823
BI30813	1,2,4-Trichlorobenzene Bromomethane Hexachlorobutadiene Isopropanol	63.2 69.8 49.8 145	Low Low Low High	UJ UJ UJ J	SVE-A-090823
BI30950	Hexachlorobutadiene	64.3	Low	UJ	SVE-B-090823 SVE-C-090823 SVE-D-090823
BJ30853	1,2-Dichlorotetrafluoroethane Hexachlorobutadiene	153 67.6	High Low	None-ND UJ	SVE-A-100623
BJ30931	1,2-Dichlorotetrafluoroethane 1,3-Butadiene Chloromethane Hexachlorobutadiene Vinyl Chloride	134 143 151 66.5 144	High High High Low High	None-ND None-ND None-ND, J UJ None-ND	SVE-B-100623 SVE-C-100623 SVE-D-100623 SG-3-100623 SG-4R-100623
BJ30993	1,2-Dichlorotetrafluoroethane Hexachlorobutadiene	133 65.9	High Low	None-ND UJ	SVE-C-100623
BK30709	1,1,2,2-Tetrachloroethane Benzyl chloride Bromoform Carbon tetrachloride	134 159 133 136	High High High High	None-ND None-ND None-ND J/None	All samples in 23K0342

Analysis Batch	Analyte(s)	LCS %R	Bias	Qualifier	Qualified Samples
	Chloromethane	137	High	J/None	
	Styrene	133	High	J	
	trans-1,3-Dichloropropylene	131	High	None-ND	
BL30774	1,2,4-Trichlorobenzene	63.6	Low	UJ	SVE-D-120123
	Hexachlorobutadiene	65.5	Low	UJ	SG-3-120123
	Vinyl chloride	69.8	Low	UJ	
BL30854	1,2,4-Trichlorobenzene	69.3	Low	UJ	SG-4R-120123
	Chloromethane	69.6	Low	UJ	SG-5R-120123
	Hexachlorobutadiene	69.7	Low	UJ	
	Vinyl chloride	66.8	Low	UJ	
BL30773	Benzyl chloride	141	High	None-ND	SVE-A-120123 SVE-B-120123 SVE-C-120123
BA40978	1,2,4-Trichlorobenzene	63	Low	UJ	SVE-C-010524
	1,4-Dioxane	67.6	Low	UJ	SVE-D-010524
	Hexachlorobutadiene	61	Low	UJ	

LABORATORY DUPLICATE

All relative percent difference (RPD) met criteria except those in the table below. Results for these analytes may be biased in the sample the laboratory duplicate was performed on only. Positive detections for these analytes in only that sample are qualified “J” while non-detects do not require qualification.

Sample ID	Analyte(s)	RPD	Qualifier
SVE-EFF-090823	1,1-Dichloroethylene	92.3	J
	1,4-Dioxane	43.5	J
	2-Hexanone	44.1	J
	Benzene	70.6	J
	Bromodichloromethane	75.9	J
	cis-1,2-Dichloroethylene	58.8	J
	n-Heptane	59.3	J
	n-Hexane	74.3	J
	Tetrachloroethylene	94.7	J
	Trichloroethylene	125	J
	Trichlorofluoromethane	30.8	J
SVE-INF-090823	1,1-Dichloroethylene	28.6	None
	Chloromethane	45.5	J
SG-5R-100623	Isopropanol	31.8	J

METHOD BLANK (MB)

The MBs exhibited no target analytes except those listed in the table below. The laboratory has qualified these analytes with a “B” on the associated sample Form 1s. For sample results reported below the RL the result has been negated and qualified “U”. For sample results reported above the RL and above the blank concentration no qualification is required. The “B” qualifiers have been removed.

Analysis Batch	Analyte(s)	Concentration (ug/m³)	Qualifier	Qualified Samples
BE31967	1,2,4-Trichlorobenzene	0.74	None	None
	Acetone	1.3	None	None
	n-Heptane	0.57	U	SVE-C-052323
	n-Hexane	1.1	None	None
BF30432	Isopropanol	0.96	None	None
BI31061	Tetrahydrofuran	0.796	None	None
BI30813	Tetrahydrofuran	0.855	None	None
BI30950	Tetrahydrofuran	0.855	None	None
BJ30853	Isopropanol	0.93	None	None
BJ30931	Isopropanol	1.0	None	None
BJ30993	Isopropanol	1.0	None	None
BK30709	1,2,4-Trichlorobenzene	0.816	None	None
	Isopropanol	0.885	None	None
	Trichloroethylene	0.161	None	None
BL30774	Acrylonitrile	0.304	None	None
BL30854	Isopropanol	0.615	None	None
BL30773	1,2,4-Trichlorobenzene	1.19	None	None
	Acrylonitrile	0.499	None	None
BA40984	1,2,4-Trichlorobenzene	0.96	None	None
	Acrylonitrile	0.30	None/U	SVE-A-010524

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY (GC/MS) INSTRUMENT TUNING AND PERFORMANCE

All instrument tunes met QC criteria.

INITIAL CALIBRATION (ICAL)

The ICAL exhibited percent relative standard deviation (%RSD) and mean relative response factor (RRF) values that met QC criteria. The laboratory has noted a limited number of analytes not meeting ICAL criteria in the narratives, however the %RSD met the project DQO, and no qualification is required.

INITIAL CALIBRATION VERIFICATION (ICV)

The ICVs exhibited percent difference (%D) and RRF values that met QC criteria. The laboratory has noted a limited number of analytes not meeting ICV criteria in the narratives, however the %D met the project DQO, and no qualification is required.

CONTINUING CALIBRATION VERIFICATION (CCV)

The CCVs exhibited %R and RRF values that met QC criteria with exceptions noted in the table below. Results for these analytes may be biased and have been qualified “J” for positive detects and “UJ” for non-detects. The laboratory has noted several additional analytes not meeting CCV criteria in the narratives, however those %R met the project DQO, and no qualification is required and are not listed in the table below.

Analysis Batch	Analyte(s)	%R	Qualifier	Qualified Samples
BF30432	1,2,4-Trichlorobenzene 1,2-Dichlorotetrafluoroethane Chloromethane	157 172 170	UJ UJ J	SVE-B-060123 SVE-A-060123 SVE-INF-060123 SVE-CARBON-060123 SVE-EFF-060123
BI31151	Hexachlorobutadiene	59.3	UJ	SVE-INF-090823
BI30813	Hexachlorobutadiene	66.7	UJ	SVE-A-090823
BI30950	Hexachlorobutadiene	61.1	UJ	SVE-B-090823 SVE-C-090823 SVE-D-090823
BJ30853	1,2-Dichlorotetrafluoroethane	158	UJ	SVE-A-100623
BJ30931	Chloromethane	156	UJ UJ J J UJ	SVE-B-100623 SVE-C-100623 SVE-D-100623 SG-3-100623 SG-4R-100623
BJ30993	1,2-Dichlorotetrafluoroethane	153	UJ	SG-5R-100623
BK30709	Bromoform Hexachlorobutadiene	61.6 65.4	UJ UJ	All samples in 23K0342
BL30774	1,2,4-Trichlorobenzene Hexachlorobutadiene	60.6 63.9	UJ UJ	SVE-D-120123 SG-3-120123
BA40978	1,2,4-Trichlorobenzene Hexachlorobutadiene	65.3 63.4	UJ UJ	SVE-C-010524 SVE-D-010524

INTERNAL STANDARD (IS) AREA PERFORMANCE

All IS area responses and retention times (RT) met QC criteria except in sample SVE-D-010524 where all three IS exhibited area responses above QC criteria. The laboratory noted the sample was reanalyzed with similar area responses. Results are possible biased low therefore positive detects in sample SVE-D-010524 are qualified “J” while non-detects do not require qualification.

BLIND FIELD DUPLICATE

No blind field duplicate was collected with this data set. This does not affect the useability of the data.

SAMPLE ANALYSIS

Numerous samples were analyzed at dilutions. The laboratory has noted this on the Form 1s with a “D” qualifier. The dilutions were justified. No qualification of the sample data is required; however, the end user should be aware of the elevated RLs. The “D” qualifiers have been removed.

Isopropanol was reported in samples SVE-A-060123 and SVE-EFF-060123 with an “E” qualifier by the laboratory. This indicates that the concentration of Isopropanol in these samples was above the calibration range of the instrument. The samples were not reanalyzed by the laboratory as Isopropanol is a suspected contaminant possibly present since it is routinely added to the gas cylinders supplied by the commercial

standard suppliers. This is acceptable. Isopropanol is not of concern at the site. The results are considered estimated and have been qualified “J”. The “E” qualifiers have been removed. The values are still useable as estimated positive detects.

No other issues with the sample analysis were observed.

4. SUMMARY

All data are valid and usable with the qualifications noted in this review.

No qualifier - Positive detection. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.

U - 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 analyte was detected at a concentration below the RL but greater than the MDL or, the value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.

UJ - 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.

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE - C - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-03 File ID: TQ225410.D

Sampled: 05/23/23 13:20 Prepared: 05/30/23 15:00 Analyzed: 05/30/23 22:51

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31967 Sequence: S3E3124 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.66	1.1	U
71-55-6	1,1,1-Trichloroethane	1.66	12	D
79-34-5	1,1,2,2-Tetrachloroethane	1.66	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.66	1.3	U
79-00-5	1,1,2-Trichloroethane	1.66	0.90	U
75-34-3	1,1-Dichloroethane	1.66	1.6	D
75-35-4	1,1-Dichloroethylene	1.66	0.20	D
120-82-1	1,2,4-Trichlorobenzene	1.66	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.66	1.1	D
106-93-4	1,2-Dibromoethane	1.66	1.3	U
95-50-1	1,2-Dichlorobenzene	1.66	1.0	U
107-06-2	1,2-Dichloroethane	1.66	0.67	U
78-87-5	1,2-Dichloropropane	1.66	0.76	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.66	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1.66	0.81	U
106-99-0	1,3-Butadiene	1.66	1.1	U
541-73-1	1,3-Dichlorobenzene	1.66	1.8	D
142-28-9	1,3-Dichloropropane	1.66	0.76	U
106-46-7	1,4-Dichlorobenzene	1.66	1.0	U
123-91-1	1,4-Dioxane	1.66	1.2	U
78-93-3	2-Butanone	1.66	9.2	D
591-78-6	2-Hexanone	1.66	1.4	U
107-05-1	3-Chloropropene	1.66	2.6	U
108-10-1	4-Methyl-2-pentanone	1.66	1.7	D
67-64-1	Acetone	1.66	39	BD
107-13-1	Acrylonitrile	1.66	0.36	D
71-43-2	Benzene	1.66	1.0	D
100-44-7	Benzyl chloride	1.66	0.86	U
75-27-4	Bromodichloromethane	1.66	1.1	U
75-25-2	Bromoform	1.66	1.7	U
74-83-9	Bromomethane	1.66	0.64	U
75-15-0	Carbon disulfide	1.66	1.9	D
56-23-5	Carbon tetrachloride	1.66	0.31	D
108-90-7	Chlorobenzene	1.66	0.76	U
75-00-3	Chloroethane	1.66	0.44	U
67-66-3	Chloroform	1.66	0.81	U
74-87-3	Chloromethane	1.66	0.99	D
156-59-2	cis-1,2-Dichloroethylene	1.66	0.16	U
10061-01-5	cis-1,3-Dichloropropylene	1.66	0.75	U
110-82-7	Cyclohexane	1.66	0.97	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE - C - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-03 File ID: TQ225410.D

Sampled: 05/23/23 13:20 Prepared: 05/30/23 15:00 Analyzed: 05/30/23 22:51

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31967 Sequence: S3E3124 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.66	1.4	U
75-71-8	Dichlorodifluoromethane	1.66	3.9	~~D~~
141-78-6	Ethyl acetate	1.66	2.7	~~D~~
100-41-4	Ethyl Benzene	1.66	0.72	U
87-68-3	Hexachlorobutadiene	1.66	1.8	U
67-63-0	Isopropanol	1.66	5.6	~~D~~
80-62-6	Methyl Methacrylate	1.66	0.68	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.66	0.60	U
75-09-2	Methylene chloride	1.66	1.3	~~D~~
142-82-5	n-Heptane	1.66	3.4	U
110-54-3	n-Hexane	1.66	4.3	~~BD~~
95-47-6	o-Xylene	1.66	0.72	U
179601-23-1	p- & m- Xylenes	1.66	1.7	~~D~~
622-96-8	p-Ethyltoluene	1.66	0.81	~~D~~
115-07-1	Propylene	1.66	2.1	~~D~~
100-42-5	Styrene	1.66	0.70	U
127-18-4	Tetrachloroethylene	1.66	14	~~D~~
109-99-9	Tetrahydrofuran	1.66	2.9	~~D~~
108-88-3	Toluene	1.66	8.5	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.66	0.66	U
10061-02-6	trans-1,3-Dichloropropylene	1.66	0.75	U
79-01-6	Trichloroethylene	1.66	2.0	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.66	1.2	~~D~~
108-05-4	Vinyl acetate	1.66	0.58	U
593-60-2	Vinyl bromide	1.66	0.72	U
75-01-4	Vinyl Chloride	1.66	0.21	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	1673081	13.701	1630881	13.695	
ISTD: d5-Chlorobenzene	1507092	18.956	1460341	18.956	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE - D - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-04 File ID: TQ225384.D

Sampled: 05/23/23 14:00 Prepared: 05/26/23 09:00 Analyzed: 05/26/23 18:09

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31890 Sequence: S3E3015 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.49	1.0	U
71-55-6	1,1,1-Trichloroethane	1.49	0.81	U
79-34-5	1,1,2,2-Tetrachloroethane	1.49	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.49	1.1	U
79-00-5	1,1,2-Trichloroethane	1.49	0.81	U
75-34-3	1,1-Dichloroethane	1.49	0.60	U
75-35-4	1,1-Dichloroethylene	1.49	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.49	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.49	0.73	U
106-93-4	1,2-Dibromoethane	1.49	1.1	U
95-50-1	1,2-Dichlorobenzene	1.49	0.89	U
107-06-2	1,2-Dichloroethane	1.49	0.60	U
78-87-5	1,2-Dichloropropane	1.49	0.69	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.49	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.49	0.73	U
106-99-0	1,3-Butadiene	1.49	0.99	U
541-73-1	1,3-Dichlorobenzene	1.49	0.89	U
142-28-9	1,3-Dichloropropane	1.49	0.69	U
106-46-7	1,4-Dichlorobenzene	1.49	0.89	U
123-91-1	1,4-Dioxane	1.49	1.1	U
78-93-3	2-Butanone	1.49	1.1	~~D~~
591-78-6	2-Hexanone	1.49	1.2	U
107-05-1	3-Chloropropene	1.49	2.3	U
108-10-1	4-Methyl-2-pentanone	1.49	0.61	U
67-64-1	Acetone	1.49	6.7	~~D~~
107-13-1	Acrylonitrile	1.49	0.32	U
71-43-2	Benzene	1.49	1.1	~~D~~
100-44-7	Benzyl chloride	1.49	0.77	U
75-27-4	Bromodichloromethane	1.49	0.99	U
75-25-2	Bromoform	1.49	1.5	U
74-83-9	Bromomethane	1.49	0.58	U
75-15-0	Carbon disulfide	1.49	0.46	U
56-23-5	Carbon tetrachloride	1.49	0.47	~~D~~
108-90-7	Chlorobenzene	1.49	0.68	U
75-00-3	Chloroethane	1.49	0.39	U
67-66-3	Chloroform	1.49	0.73	U
74-87-3	Chloromethane	1.49	1.3	~~D~~
156-59-2	cis-1,2-Dichloroethylene	1.49	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.49	0.67	U
110-82-7	Cyclohexane	1.49	0.51	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE - D - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-04 File ID: TQ225384.D

Sampled: 05/23/23 14:00 Prepared: 05/26/23 09:00 Analyzed: 05/26/23 18:09

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31890 Sequence: S3E3015 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.49	1.3	U
75-71-8	Dichlorodifluoromethane	1.49	2.9	~~D~~
141-78-6	Ethyl acetate	1.49	1.1	U
100-41-4	Ethyl Benzene	1.49	0.64	U
87-68-3	Hexachlorobutadiene	1.49	1.6	U
67-63-0	Isopropanol	1.49	1.9	~~D~~
80-62-6	Methyl Methacrylate	1.49	0.61	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.49	0.54	U
75-09-2	Methylene chloride	1.49	43	~~D~~
142-82-5	n-Heptane	1.49	0.61	U
110-54-3	n-Hexane	1.49	0.52	U
95-47-6	o-Xylene	1.49	0.64	U
179601-23-1	p- & m- Xylenes	1.49	1.3	U
622-96-8	p-Ethyltoluene	1.49	0.73	U
115-07-1	Propylene	1.49	0.26	U
100-42-5	Styrene	1.49	0.63	U
127-18-4	Tetrachloroethylene	1.49	1.0	U
109-99-9	Tetrahydrofuran	1.49	0.88	U
108-88-3	Toluene	1.49	2.2	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.49	0.59	U
10061-02-6	trans-1,3-Dichloropropylene	1.49	0.67	U
79-01-6	Trichloroethylene	1.49	0.40	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.49	1.6	~~D~~
108-05-4	Vinyl acetate	1.49	0.52	U
593-60-2	Vinyl bromide	1.49	0.65	U
75-01-4	Vinyl Chloride	1.49	0.19	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	1301759	13.701	1434446	13.695	
ISTD: d5-Chlorobenzene	1163311	18.956	1289641	18.956	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 3 - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-05 File ID: TQ225385.D

Sampled: 05/23/23 12:05 Prepared: 05/26/23 09:00 Analyzed: 05/26/23 19:08

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31890 Sequence: S3E3015 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	2.24	1.5	U
71-55-6	1,1,1-Trichloroethane	2.24	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	2.24	1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.24	1.7	U
79-00-5	1,1,2-Trichloroethane	2.24	1.2	U
75-34-3	1,1-Dichloroethane	2.24	0.91	U
75-35-4	1,1-Dichloroethylene	2.24	0.22	U
120-82-1	1,2,4-Trichlorobenzene	2.24	1.7	U
95-63-6	1,2,4-Trimethylbenzene	2.24	1.1	U
106-93-4	1,2-Dibromoethane	2.24	1.7	U
95-50-1	1,2-Dichlorobenzene	2.24	1.3	U
107-06-2	1,2-Dichloroethane	2.24	0.91	U
78-87-5	1,2-Dichloropropane	2.24	1.0	U
76-14-2	1,2-Dichlorotetrafluoroethane	2.24	1.6	U
108-67-8	1,3,5-Trimethylbenzene	2.24	1.1	U
106-99-0	1,3-Butadiene	2.24	1.5	U
541-73-1	1,3-Dichlorobenzene	2.24	6.5	~~D~~
142-28-9	1,3-Dichloropropane	2.24	1.0	U
106-46-7	1,4-Dichlorobenzene	2.24	1.3	U
123-91-1	1,4-Dioxane	2.24	1.6	U
78-93-3	2-Butanone	2.24	10	~~D~~
591-78-6	2-Hexanone	2.24	1.8	U
107-05-1	3-Chloropropene	2.24	3.5	U
108-10-1	4-Methyl-2-pentanone	2.24	2.1	~~D~~
67-64-1	Acetone	2.24	150	~~D~~
107-13-1	Acrylonitrile	2.24	0.49	U
71-43-2	Benzene	2.24	1.4	~~D~~
100-44-7	Benzyl chloride	2.24	1.2	U
75-27-4	Bromodichloromethane	2.24	1.5	U
75-25-2	Bromoform	2.24	2.3	U
74-83-9	Bromomethane	2.24	0.87	U
75-15-0	Carbon disulfide	2.24	0.70	U
56-23-5	Carbon tetrachloride	2.24	0.35	U
108-90-7	Chlorobenzene	2.24	1.0	U
75-00-3	Chloroethane	2.24	0.59	U
67-66-3	Chloroform	2.24	1.1	U
74-87-3	Chloromethane	2.24	1.5	~~D~~
156-59-2	cis-1,2-Dichloroethylene	2.24	0.22	U
10061-01-5	cis-1,3-Dichloropropylene	2.24	1.0	U
110-82-7	Cyclohexane	2.24	0.77	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 3 - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-05 File ID: TQ225385.D

Sampled: 05/23/23 12:05 Prepared: 05/26/23 09:00 Analyzed: 05/26/23 19:08

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31890 Sequence: S3E3015 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	2.24	1.9	U
75-71-8	Dichlorodifluoromethane	2.24	1.6	~~D~~
141-78-6	Ethyl acetate	2.24	1.6	U
100-41-4	Ethyl Benzene	2.24	0.97	U
87-68-3	Hexachlorobutadiene	2.24	2.4	U
67-63-0	Isopropanol	2.24	2.9	~~D~~
80-62-6	Methyl Methacrylate	2.24	0.92	U
1634-04-4	Methyl tert-butyl ether (MTBE)	2.24	0.81	U
75-09-2	Methylene chloride	2.24	5.3	~~D~~
142-82-5	n-Heptane	2.24	0.92	U
110-54-3	n-Hexane	2.24	0.79	U
95-47-6	o-Xylene	2.24	1.2	~~D~~
179601-23-1	p- & m- Xylenes	2.24	2.6	~~D~~
622-96-8	p-Ethyltoluene	2.24	1.1	U
115-07-1	Propylene	2.24	6.5	~~D~~
100-42-5	Styrene	2.24	0.95	U
127-18-4	Tetrachloroethylene	2.24	1.5	U
109-99-9	Tetrahydrofuran	2.24	1.3	U
108-88-3	Toluene	2.24	2.0	~~D~~
156-60-5	trans-1,2-Dichloroethylene	2.24	0.89	U
10061-02-6	trans-1,3-Dichloropropylene	2.24	1.0	U
79-01-6	Trichloroethylene	2.24	0.30	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.24	1.3	U
108-05-4	Vinyl acetate	2.24	0.79	U
593-60-2	Vinyl bromide	2.24	0.98	U
75-01-4	Vinyl Chloride	2.24	0.29	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	1208518	13.701	1434446	13.695	
ISTD: d5-Chlorobenzene	1113779	18.956	1289641	18.956	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 4 - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-06 File ID: TQ225411.D

Sampled: 05/23/23 15:30 Prepared: 05/30/23 15:00 Analyzed: 05/30/23 23:54

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31967 Sequence: S3E3124 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.5	1.0	U
71-55-6	1,1,1-Trichloroethane	1.5	55	D
79-34-5	1,1,2,2-Tetrachloroethane	1.5	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	1.1	U
79-00-5	1,1,2-Trichloroethane	1.5	0.82	U
75-34-3	1,1-Dichloroethane	1.5	7.4	D
75-35-4	1,1-Dichloroethylene	1.5	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.5	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.5	24	D
106-93-4	1,2-Dibromoethane	1.5	1.2	U
95-50-1	1,2-Dichlorobenzene	1.5	0.90	U
107-06-2	1,2-Dichloroethane	1.5	0.61	U
78-87-5	1,2-Dichloropropane	1.5	0.69	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.5	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.5	6.6	D
106-99-0	1,3-Butadiene	1.5	0.99	U
541-73-1	1,3-Dichlorobenzene	1.5	0.90	U
142-28-9	1,3-Dichloropropane	1.5	0.69	U
106-46-7	1,4-Dichlorobenzene	1.5	0.90	U
123-91-1	1,4-Dioxane	1.5	1.1	U
78-93-3	2-Butanone	1.5	10	D
591-78-6	2-Hexanone	1.5	1.4	D
107-05-1	3-Chloropropene	1.5	2.3	U
108-10-1	4-Methyl-2-pentanone	1.5	0.61	U
67-64-1	Acetone	1.5	86	BD
107-13-1	Acrylonitrile	1.5	0.33	U
71-43-2	Benzene	1.5	3.1	D
100-44-7	Benzyl chloride	1.5	0.78	U
75-27-4	Bromodichloromethane	1.5	1.0	U
75-25-2	Bromoform	1.5	1.5	U
74-83-9	Bromomethane	1.5	0.58	U
75-15-0	Carbon disulfide	1.5	4.0	D
56-23-5	Carbon tetrachloride	1.5	0.47	D
108-90-7	Chlorobenzene	1.5	0.69	U
75-00-3	Chloroethane	1.5	0.40	U
67-66-3	Chloroform	1.5	0.73	U
74-87-3	Chloromethane	1.5	0.31	U
156-59-2	cis-1,2-Dichloroethylene	1.5	0.65	D
10061-01-5	cis-1,3-Dichloropropylene	1.5	0.68	U
110-82-7	Cyclohexane	1.5	0.93	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 4 - 052323

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23E1379
Client:	ERM Inc (Melville)			Project:	0560708.031 Steel Equities 255 E 2nd St. Mineola
Matrix:	Air	Laboratory ID:	23E1379-06	File ID:	TQ225411.D
Sampled:	05/23/23 15:30	Prepared:	05/30/23 15:00	Analyzed:	05/30/23 23:54
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BE31967	Sequence:	S3E3124	Calibration:	SE30017
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.5	1.3	U
75-71-8	Dichlorodifluoromethane	1.5	2.9	~~D~~
141-78-6	Ethyl acetate	1.5	1.1	U
100-41-4	Ethyl Benzene	1.5	11	~~D~~
87-68-3	Hexachlorobutadiene	1.5	1.6	U
67-63-0	Isopropanol	1.5	5.3	~~D~~
80-62-6	Methyl Methacrylate	1.5	1.0	~~D~~
1634-04-4	Methyl tert-butyl ether (MTBE)	1.5	0.54	U
75-09-2	Methylene chloride	1.5	26	~~D~~
142-82-5	n-Heptane	1.5	4.0	~~BD~~
110-54-3	n-Hexane	1.5	3.0	~~BD~~
95-47-6	o-Xylene	1.5	17	~~D~~
179601-23-1	p- & m- Xylenes	1.5	45	~~D~~
622-96-8	p-Ethyltoluene	1.5	19	~~D~~
115-07-1	Propylene	1.5	0.26	U
100-42-5	Styrene	1.5	0.64	U
127-18-4	Tetrachloroethylene	1.5	39	~~D~~
109-99-9	Tetrahydrofuran	1.5	10	~~D~~
108-88-3	Toluene	1.5	33	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.5	0.59	U
10061-02-6	trans-1,3-Dichloropropylene	1.5	0.68	U
79-01-6	Trichloroethylene	1.5	0.97	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.5	1.6	~~D~~
108-05-4	Vinyl acetate	1.5	0.53	U
593-60-2	Vinyl bromide	1.5	0.66	U
75-01-4	Vinyl Chloride	1.5	0.19	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	1608701	13.701	1630881	13.695	
ISTD: d5-Chlorobenzene	1452160	18.956	1460341	18.956	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 5 - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-07 File ID: TQ225412.D

Sampled: 05/23/23 15:35 Prepared: 05/30/23 15:00 Analyzed: 05/31/23 00:56

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31967 Sequence: S3E3124 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.63	1.1	U
71-55-6	1,1,1-Trichloroethane	1.63	2.9	~~D~~
79-34-5	1,1,2,2-Tetrachloroethane	1.63	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.63	1.3	U
79-00-5	1,1,2-Trichloroethane	1.63	0.89	U
75-34-3	1,1-Dichloroethane	1.63	0.99	~~D~~
75-35-4	1,1-Dichloroethylene	1.63	0.19	~~D~~
120-82-1	1,2,4-Trichlorobenzene	1.63	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.63	15	~~D~~
106-93-4	1,2-Dibromoethane	1.63	1.3	U
95-50-1	1,2-Dichlorobenzene	1.63	0.98	U
107-06-2	1,2-Dichloroethane	1.63	0.66	U
78-87-5	1,2-Dichloropropane	1.63	0.75	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.63	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.63	4.2	~~D~~
106-99-0	1,3-Butadiene	1.63	1.1	U
541-73-1	1,3-Dichlorobenzene	1.63	0.98	U
142-28-9	1,3-Dichloropropane	1.63	0.75	U
106-46-7	1,4-Dichlorobenzene	1.63	0.98	U
123-91-1	1,4-Dioxane	1.63	20	~~D~~
78-93-3	2-Butanone	1.63	20	~~D~~
591-78-6	2-Hexanone	1.63	2.0	~~D~~
107-05-1	3-Chloropropene	1.63	2.6	U
108-10-1	4-Methyl-2-pentanone	1.63	20	~~D~~
67-64-1	Acetone	1.63	140	~~BD~~
107-13-1	Acrylonitrile	1.63	0.53	~~D~~
71-43-2	Benzene	1.63	18	~~D~~
100-44-7	Benzyl chloride	1.63	0.85	U
75-27-4	Bromodichloromethane	1.63	1.1	U
75-25-2	Bromoform	1.63	1.7	U
74-83-9	Bromomethane	1.63	0.63	U
75-15-0	Carbon disulfide	1.63	1.8	~~D~~
56-23-5	Carbon tetrachloride	1.63	0.26	U
108-90-7	Chlorobenzene	1.63	0.75	U
75-00-3	Chloroethane	1.63	0.43	U
67-66-3	Chloroform	1.63	0.80	U
74-87-3	Chloromethane	1.63	0.67	~~D~~
156-59-2	cis-1,2-Dichloroethylene	1.63	0.16	U
10061-01-5	cis-1,3-Dichloropropylene	1.63	0.74	U
110-82-7	Cyclohexane	1.63	1.1	~~D~~

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG - 5 - 052323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23E1379

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St. Mineola

Matrix: Air Laboratory ID: 23E1379-07 File ID: TQ225412.D

Sampled: 05/23/23 15:35 Prepared: 05/30/23 15:00 Analyzed: 05/31/23 00:56

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BE31967 Sequence: S3E3124 Calibration: SE30017 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.63	1.4	U
75-71-8	Dichlorodifluoromethane	1.63	2.7	~~D~~
141-78-6	Ethyl acetate	1.63	1.2	U
100-41-4	Ethyl Benzene	1.63	10	~~D~~
87-68-3	Hexachlorobutadiene	1.63	1.7	U
67-63-0	Isopropanol	1.63	8.5	~~D~~
80-62-6	Methyl Methacrylate	1.63	1.3	~~D~~
1634-04-4	Methyl tert-butyl ether (MTBE)	1.63	0.59	U
75-09-2	Methylene chloride	1.63	1.8	~~D~~
142-82-5	n-Heptane	1.63	5.0	~~BD~~
110-54-3	n-Hexane	1.63	4.1	~~BD~~
95-47-6	o-Xylene	1.63	17	~~D~~
179601-23-1	p- & m- Xylenes	1.63	47	~~D~~
622-96-8	p-Ethyltoluene	1.63	14	~~D~~
115-07-1	Propylene	1.63	13	~~D~~
100-42-5	Styrene	1.63	0.70	U
127-18-4	Tetrachloroethylene	1.63	6.0	~~D~~
109-99-9	Tetrahydrofuran	1.63	3.2	~~D~~
108-88-3	Toluene	1.63	32	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.63	0.65	U
10061-02-6	trans-1,3-Dichloropropylene	1.63	0.74	U
79-01-6	Trichloroethylene	1.63	1.3	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.63	1.8	~~D~~
108-05-4	Vinyl acetate	1.63	0.57	U
593-60-2	Vinyl bromide	1.63	0.71	U
75-01-4	Vinyl Chloride	1.63	0.21	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	1675295	13.701	1630881	13.695	
ISTD: d5-Chlorobenzene	1478225	18.956	1460341	18.956	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-01 File ID: TO299305.D

Sampled: 06/01/23 11:30 Prepared: 06/07/23 06:00 Analyzed: 06/07/23 17:41

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.65	1.1	U
71-55-6	1,1,1-Trichloroethane	1.65	3.0	D
79-34-5	1,1,2,2-Tetrachloroethane	1.65	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.65	1.3	U
79-00-5	1,1,2-Trichloroethane	1.65	0.90	U
75-34-3	1,1-Dichloroethane	1.65	0.67	U
75-35-4	1,1-Dichloroethylene	1.65	0.16	U
120-82-1	1,2,4-Trichlorobenzene	1.65	1.2	U J
95-63-6	1,2,4-Trimethylbenzene	1.65	5.7	D
106-93-4	1,2-Dibromoethane	1.65	1.3	U
95-50-1	1,2-Dichlorobenzene	1.65	0.99	U
107-06-2	1,2-Dichloroethane	1.65	0.67	U
78-87-5	1,2-Dichloropropane	1.65	0.76	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.65	1.2	U J
108-67-8	1,3,5-Trimethylbenzene	1.65	1.5	D
106-99-0	1,3-Butadiene	1.65	1.1	U
541-73-1	1,3-Dichlorobenzene	1.65	0.99	U
142-28-9	1,3-Dichloropropane	1.65	0.76	U
106-46-7	1,4-Dichlorobenzene	1.65	0.99	U
123-91-1	1,4-Dioxane	1.65	1.2	U
78-93-3	2-Butanone	1.65	6.0	D
591-78-6	2-Hexanone	1.65	1.3	U
107-05-1	3-Chloropropene	1.65	2.6	U
108-10-1	4-Methyl-2-pentanone	1.65	6.8	D
67-64-1	Acetone	1.65	17	D
107-13-1	Acrylonitrile	1.65	0.36	U
71-43-2	Benzene	1.65	16	D
100-44-7	Benzyl chloride	1.65	0.85	U
75-27-4	Bromodichloromethane	1.65	1.1	U
75-25-2	Bromoform	1.65	1.7	U
74-83-9	Bromomethane	1.65	0.64	U
75-15-0	Carbon disulfide	1.65	0.82	D
56-23-5	Carbon tetrachloride	1.65	0.26	U
108-90-7	Chlorobenzene	1.65	0.76	U
75-00-3	Chloroethane	1.65	0.43	U
67-66-3	Chloroform	1.65	0.80	U
74-87-3	Chloromethane	1.65	1.4	D J
156-59-2	cis-1,2-Dichloroethylene	1.65	0.16	U
10061-01-5	cis-1,3-Dichloropropylene	1.65	0.75	U
110-82-7	Cyclohexane	1.65	2.4	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-01 File ID: TO299305.D

Sampled: 06/01/23 11:30 Prepared: 06/07/23 06:00 Analyzed: 06/07/23 17:41

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.65	1.4	U
75-71-8	Dichlorodifluoromethane	1.65	0.98	D
141-78-6	Ethyl acetate	1.65	1.2	U
100-41-4	Ethyl Benzene	1.65	6.0	D
87-68-3	Hexachlorobutadiene	1.65	1.8	U
67-63-0	Isopropanol	1.65	16	BD
80-62-6	Methyl Methacrylate	1.65	0.67	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.65	0.59	U
75-09-2	Methylene chloride	1.65	1.1	U
142-82-5	n-Heptane	1.65	0.68	U
110-54-3	n-Hexane	1.65	5.5	D
95-47-6	o-Xylene	1.65	16	D
179601-23-1	p- & m- Xylenes	1.65	33	D
622-96-8	p-Ethyltoluene	1.65	3.7	D
115-07-1	Propylene	1.65	1.3	D
100-42-5	Styrene	1.65	0.70	U
127-18-4	Tetrachloroethylene	1.65	2.1	D
109-99-9	Tetrahydrofuran	1.65	3.6	D
108-88-3	Toluene	1.65	18	D
156-60-5	trans-1,2-Dichloroethylene	1.65	0.65	U
10061-02-6	trans-1,3-Dichloropropylene	1.65	0.75	U
79-01-6	Trichloroethylene	1.65	1.1	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.65	0.93	U
108-05-4	Vinyl acetate	1.65	0.58	U
593-60-2	Vinyl bromide	1.65	0.72	U
75-01-4	Vinyl Chloride	1.65	0.21	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	633241	13.771	630999	13.771	
ISTD: d5-Chlorobenzene	570424	19.006	657175	19	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-02 File ID: TO299306.D

Sampled: 06/01/23 11:45 Prepared: 06/07/23 06:00 Analyzed: 06/07/23 18:34

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.5	1.0	U
71-55-6	1,1,1-Trichloroethane	1.5	2.6	D
79-34-5	1,1,2,2-Tetrachloroethane	1.5	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	1.2	U
79-00-5	1,1,2-Trichloroethane	1.5	0.82	U
75-34-3	1,1-Dichloroethane	1.5	0.61	U
75-35-4	1,1-Dichloroethylene	1.5	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.5	1.1	U J
95-63-6	1,2,4-Trimethylbenzene	1.5	7.1	D
106-93-4	1,2-Dibromoethane	1.5	1.2	U
95-50-1	1,2-Dichlorobenzene	1.5	0.90	U
107-06-2	1,2-Dichloroethane	1.5	0.61	U
78-87-5	1,2-Dichloropropane	1.5	0.69	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.5	1.1	U J
108-67-8	1,3,5-Trimethylbenzene	1.5	1.9	D
106-99-0	1,3-Butadiene	1.5	1.0	U
541-73-1	1,3-Dichlorobenzene	1.5	5.9	D
142-28-9	1,3-Dichloropropane	1.5	0.69	U
106-46-7	1,4-Dichlorobenzene	1.5	0.90	U
123-91-1	1,4-Dioxane	1.5	1.1	U
78-93-3	2-Butanone	1.5	27	D
591-78-6	2-Hexanone	1.5	2.6	D
107-05-1	3-Chloropropene	1.5	2.4	U
108-10-1	4-Methyl-2-pentanone	1.5	4.8	D
67-64-1	Acetone	1.5	180	D
107-13-1	Acrylonitrile	1.5	0.33	U
71-43-2	Benzene	1.5	12	D
100-44-7	Benzyl chloride	1.5	0.78	U
75-27-4	Bromodichloromethane	1.5	1.0	U
75-25-2	Bromoform	1.5	1.6	U
74-83-9	Bromomethane	1.5	0.58	U
75-15-0	Carbon disulfide	1.5	0.47	U
56-23-5	Carbon tetrachloride	1.5	0.24	U
108-90-7	Chlorobenzene	1.5	0.69	U
75-00-3	Chloroethane	1.5	0.40	U
67-66-3	Chloroform	1.5	0.73	U
74-87-3	Chloromethane	1.5	1.8	D J
156-59-2	cis-1,2-Dichloroethylene	1.5	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.5	0.68	U
110-82-7	Cyclohexane	1.5	2.5	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23F0077
Client: ERM Inc (Melville)
Project: 0560708.031 Steel Equities 255 E 2nd St Mineola
Matrix: Vapor Extraction
Laboratory ID: 23F0077-02
File ID: TO299306.D
Sampled: 06/01/23 11:45
Prepared: 06/07/23 06:00
Analyzed: 06/07/23 18:34
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BF30432
Sequence: S3F0714
Calibration: SF30003
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.5	1.3	U
75-71-8	Dichlorodifluoromethane	1.5	1.1	D
141-78-6	Ethyl acetate	1.5	5.4	D
100-41-4	Ethyl Benzene	1.5	12	D
87-68-3	Hexachlorobutadiene	1.5	1.6	U
67-63-0	Isopropanol	1.5	460	~~BDE~~ J
80-62-6	Methyl Methacrylate	1.5	0.62	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.5	0.54	U
75-09-2	Methylene chloride	1.5	1.4	D
142-82-5	n-Heptane	1.5	0.62	U
110-54-3	n-Hexane	1.5	10	D
95-47-6	o-Xylene	1.5	20	D
179601-23-1	p- & m- Xylenes	1.5	53	D
622-96-8	p-Ethyltoluene	1.5	5.9	D
115-07-1	Propylene	1.5	0.26	U
100-42-5	Styrene	1.5	0.64	U
127-18-4	Tetrachloroethylene	1.5	2.3	D
109-99-9	Tetrahydrofuran	1.5	8.3	D
108-88-3	Toluene	1.5	57	D
156-60-5	trans-1,2-Dichloroethylene	1.5	0.60	U
10061-02-6	trans-1,3-Dichloropropylene	1.5	0.68	U
79-01-6	Trichloroethylene	1.5	0.81	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.5	3.5	D
108-05-4	Vinyl acetate	1.5	0.53	U
593-60-2	Vinyl bromide	1.5	0.66	U
75-01-4	Vinyl Chloride	1.5	0.19	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	727785	13.771	630999	13.771	
ISTD: d5-Chlorobenzene	691050	19.006	657175	19	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-03 File ID: TO299307.D

Sampled: 06/01/23 15:00 Prepared: 06/07/23 06:00 Analyzed: 06/07/23 19:27

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.72	1.2	U
71-55-6	1,1,1-Trichloroethane	1.72	80	D
79-34-5	1,1,2,2-Tetrachloroethane	1.72	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.72	1.3	U
79-00-5	1,1,2-Trichloroethane	1.72	0.94	U
75-34-3	1,1-Dichloroethane	1.72	7.7	D
75-35-4	1,1-Dichloroethylene	1.72	0.20	D
120-82-1	1,2,4-Trichlorobenzene	1.72	1.3	U J
95-63-6	1,2,4-Trimethylbenzene	1.72	0.85	U
106-93-4	1,2-Dibromoethane	1.72	1.3	U
95-50-1	1,2-Dichlorobenzene	1.72	1.0	U
107-06-2	1,2-Dichloroethane	1.72	0.70	U
78-87-5	1,2-Dichloropropane	1.72	0.80	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.72	1.2	U J
108-67-8	1,3,5-Trimethylbenzene	1.72	0.85	U
106-99-0	1,3-Butadiene	1.72	1.1	U
541-73-1	1,3-Dichlorobenzene	1.72	3.4	D
142-28-9	1,3-Dichloropropane	1.72	0.80	U
106-46-7	1,4-Dichlorobenzene	1.72	1.0	U
123-91-1	1,4-Dioxane	1.72	1.2	U
78-93-3	2-Butanone	1.72	1.3	D
591-78-6	2-Hexanone	1.72	1.4	U
107-05-1	3-Chloropropene	1.72	2.7	U
108-10-1	4-Methyl-2-pentanone	1.72	0.71	U
67-64-1	Acetone	1.72	7.7	D
107-13-1	Acrylonitrile	1.72	0.37	U
71-43-2	Benzene	1.72	0.55	U
100-44-7	Benzyl chloride	1.72	0.89	U
75-27-4	Bromodichloromethane	1.72	1.2	U
75-25-2	Bromoform	1.72	1.8	U
74-83-9	Bromomethane	1.72	0.67	U
75-15-0	Carbon disulfide	1.72	0.54	U
56-23-5	Carbon tetrachloride	1.72	0.27	U
108-90-7	Chlorobenzene	1.72	0.79	U
75-00-3	Chloroethane	1.72	0.45	U
67-66-3	Chloroform	1.72	0.84	U
74-87-3	Chloromethane	1.72	1.1	D J
156-59-2	cis-1,2-Dichloroethylene	1.72	0.20	D
10061-01-5	cis-1,3-Dichloropropylene	1.72	0.78	U
110-82-7	Cyclohexane	1.72	0.59	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-03 File ID: TO299307.D

Sampled: 06/01/23 15:00 Prepared: 06/07/23 06:00 Analyzed: 06/07/23 19:27

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.72	1.5	U
75-71-8	Dichlorodifluoromethane	1.72	2.0	D
141-78-6	Ethyl acetate	1.72	1.2	U
100-41-4	Ethyl Benzene	1.72	0.75	U
87-68-3	Hexachlorobutadiene	1.72	1.8	U
67-63-0	Isopropanol	1.72	26	BD
80-62-6	Methyl Methacrylate	1.72	0.70	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.72	0.62	U
75-09-2	Methylene chloride	1.72	1.2	U
142-82-5	n-Heptane	1.72	0.71	U
110-54-3	n-Hexane	1.72	0.61	U
95-47-6	o-Xylene	1.72	0.90	D
179601-23-1	p- & m- Xylenes	1.72	2.1	D
622-96-8	p-Ethyltoluene	1.72	0.85	U
115-07-1	Propylene	1.72	0.30	U
100-42-5	Styrene	1.72	0.73	U
127-18-4	Tetrachloroethylene	1.72	170	D
109-99-9	Tetrahydrofuran	1.72	1.0	U
108-88-3	Toluene	1.72	1.8	D
156-60-5	trans-1,2-Dichloroethylene	1.72	0.68	U
10061-02-6	trans-1,3-Dichloropropylene	1.72	0.78	U
79-01-6	Trichloroethylene	1.72	18	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.72	1.1	D
108-05-4	Vinyl acetate	1.72	0.61	U
593-60-2	Vinyl bromide	1.72	0.75	U
75-01-4	Vinyl Chloride	1.72	0.22	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	732088	13.777	630999	13.771	
ISTD: d5-Chlorobenzene	603548	19.006	657175	19	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-Carbon-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-04 File ID: TO299315.D

Sampled: 06/01/23 15:05 Prepared: 06/07/23 06:00 Analyzed: 06/08/23 02:26

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.77	1.2	U
71-55-6	1,1,1-Trichloroethane	1.77	20	D
79-34-5	1,1,2,2-Tetrachloroethane	1.77	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.77	1.4	U
79-00-5	1,1,2-Trichloroethane	1.77	0.97	U
75-34-3	1,1-Dichloroethane	1.77	1.5	D
75-35-4	1,1-Dichloroethylene	1.77	0.28	D
120-82-1	1,2,4-Trichlorobenzene	1.77	1.3	U J
95-63-6	1,2,4-Trimethylbenzene	1.77	1.0	D
106-93-4	1,2-Dibromoethane	1.77	1.4	U
95-50-1	1,2-Dichlorobenzene	1.77	1.1	U
107-06-2	1,2-Dichloroethane	1.77	0.72	U
78-87-5	1,2-Dichloropropane	1.77	0.82	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.77	1.2	U J
108-67-8	1,3,5-Trimethylbenzene	1.77	0.87	U
106-99-0	1,3-Butadiene	1.77	1.2	U
541-73-1	1,3-Dichlorobenzene	1.77	6.2	D
142-28-9	1,3-Dichloropropane	1.77	0.82	U
106-46-7	1,4-Dichlorobenzene	1.77	1.1	U
123-91-1	1,4-Dioxane	1.77	1.3	U
78-93-3	2-Butanone	1.77	1.6	D
591-78-6	2-Hexanone	1.77	1.5	U
107-05-1	3-Chloropropene	1.77	2.8	U
108-10-1	4-Methyl-2-pentanone	1.77	0.73	U
67-64-1	Acetone	1.77	11	D
107-13-1	Acrylonitrile	1.77	0.38	U
71-43-2	Benzene	1.77	0.57	U
100-44-7	Benzyl chloride	1.77	0.92	U
75-27-4	Bromodichloromethane	1.77	1.2	U
75-25-2	Bromoform	1.77	1.8	U
74-83-9	Bromomethane	1.77	0.69	U
75-15-0	Carbon disulfide	1.77	0.55	U
56-23-5	Carbon tetrachloride	1.77	0.28	U
108-90-7	Chlorobenzene	1.77	0.82	U
75-00-3	Chloroethane	1.77	0.47	U
67-66-3	Chloroform	1.77	0.87	U
74-87-3	Chloromethane	1.77	1.2	D J
156-59-2	cis-1,2-Dichloroethylene	1.77	0.18	U
10061-01-5	cis-1,3-Dichloropropylene	1.77	0.81	U
110-82-7	Cyclohexane	1.77	0.67	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-Carbon-060123

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23F0077
Client:	ERM Inc (Melville)			Project:	0560708.031 Steel Equities 255 E 2nd St Mineola
Matrix:	Vapor Extraction	Laboratory ID:	23F0077-04	File ID:	TO299315.D
Sampled:	06/01/23 15:05	Prepared:	06/07/23 06:00	Analyzed:	06/08/23 02:26
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BF30432	Sequence:	S3F0714	Calibration:	SF30003
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.77	1.5	U
75-71-8	Dichlorodifluoromethane	1.77	2.3	~~D~~
141-78-6	Ethyl acetate	1.77	1.3	U
100-41-4	Ethyl Benzene	1.77	0.77	U
87-68-3	Hexachlorobutadiene	1.77	1.9	U
67-63-0	Isopropanol	1.77	17	~~BD~~
80-62-6	Methyl Methacrylate	1.77	0.73	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.77	0.64	U
75-09-2	Methylene chloride	1.77	1.2	U
142-82-5	n-Heptane	1.77	0.73	U
110-54-3	n-Hexane	1.77	0.63	U
95-47-6	o-Xylene	1.77	1.1	~~D~~
179601-23-1	p- & m- Xylenes	1.77	2.4	~~D~~
622-96-8	p-Ethyltoluene	1.77	0.87	U
115-07-1	Propylene	1.77	0.31	U
100-42-5	Styrene	1.77	0.76	U
127-18-4	Tetrachloroethylene	1.77	1.2	U
109-99-9	Tetrahydrofuran	1.77	2.5	~~D~~
108-88-3	Toluene	1.77	1.3	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.77	0.70	U
10061-02-6	trans-1,3-Dichloropropylene	1.77	0.81	U
79-01-6	Trichloroethylene	1.77	17	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.77	1.0	~~D~~
108-05-4	Vinyl acetate	1.77	0.62	U
593-60-2	Vinyl bromide	1.77	0.78	U
75-01-4	Vinyl Chloride	1.77	0.23	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	671046	13.777	630999	13.771	
ISTD: d5-Chlorobenzene	571995	19.007	657175	19	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23F0077

Client: ERM Inc (Melville) Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction Laboratory ID: 23F0077-05 File ID: TO299316.D

Sampled: 06/01/23 15:10 Prepared: 06/07/23 06:00 Analyzed: 06/08/23 03:19

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BF30432 Sequence: S3F0714 Calibration: SF30003 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.77	1.2	U
71-55-6	1,1,1-Trichloroethane	1.77	19	D
79-34-5	1,1,2,2-Tetrachloroethane	1.77	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.77	1.4	U
79-00-5	1,1,2-Trichloroethane	1.77	0.97	U
75-34-3	1,1-Dichloroethane	1.77	2.0	D
75-35-4	1,1-Dichloroethylene	1.77	0.18	U
120-82-1	1,2,4-Trichlorobenzene	1.77	1.3	U J
95-63-6	1,2,4-Trimethylbenzene	1.77	6.2	D
106-93-4	1,2-Dibromoethane	1.77	1.4	U
95-50-1	1,2-Dichlorobenzene	1.77	1.1	U
107-06-2	1,2-Dichloroethane	1.77	0.72	U
78-87-5	1,2-Dichloropropane	1.77	0.82	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.77	1.2	U J
108-67-8	1,3,5-Trimethylbenzene	1.77	1.7	D
106-99-0	1,3-Butadiene	1.77	1.2	U
541-73-1	1,3-Dichlorobenzene	1.77	33	D
142-28-9	1,3-Dichloropropane	1.77	0.82	U
106-46-7	1,4-Dichlorobenzene	1.77	1.1	U
123-91-1	1,4-Dioxane	1.77	1.3	U
78-93-3	2-Butanone	1.77	18	D
591-78-6	2-Hexanone	1.77	2.9	D
107-05-1	3-Chloropropene	1.77	2.8	U
108-10-1	4-Methyl-2-pentanone	1.77	3.9	D
67-64-1	Acetone	1.77	93	D
107-13-1	Acrylonitrile	1.77	0.38	U
71-43-2	Benzene	1.77	0.62	D
100-44-7	Benzyl chloride	1.77	0.92	U
75-27-4	Bromodichloromethane	1.77	1.2	U
75-25-2	Bromoform	1.77	1.8	U
74-83-9	Bromomethane	1.77	0.69	U
75-15-0	Carbon disulfide	1.77	0.55	U
56-23-5	Carbon tetrachloride	1.77	0.28	U
108-90-7	Chlorobenzene	1.77	0.81	U
75-00-3	Chloroethane	1.77	0.47	U
67-66-3	Chloroform	1.77	0.86	U
74-87-3	Chloromethane	1.77	2.0	D J
156-59-2	cis-1,2-Dichloroethylene	1.77	0.35	D
10061-01-5	cis-1,3-Dichloropropylene	1.77	0.80	U
110-82-7	Cyclohexane	1.77	0.61	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-060123

Laboratory: York Analytical Laboratories, Inc. - Stratford | SDG: 23F0077

Client: ERM Inc (Melville) | Project: 0560708.031 Steel Equities 255 E 2nd St Mineola

Matrix: Vapor Extraction | Laboratory ID: 23F0077-05 | File ID: TO299316.D

Sampled: 06/01/23 15:10 | Prepared: 06/07/23 06:00 | Analyzed: 06/08/23 03:19

Solids: | Preparation: EPA TO15 PREP | Initial/Final: 400 mL / 400 mL

Batch: BF30432 | Sequence: S3F0714 | Calibration: SF30003 | Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.77	1.5	U
75-71-8	Dichlorodifluoromethane	1.77	2.3	D
141-78-6	Ethyl acetate	1.77	2.9	D
100-41-4	Ethyl Benzene	1.77	6.7	D
87-68-3	Hexachlorobutadiene	1.77	1.9	U
67-63-0	Isopropanol	1.77	230	~~BDF~~ J
80-62-6	Methyl Methacrylate	1.77	0.72	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.77	0.64	U
75-09-2	Methylene chloride	1.77	3.1	D
142-82-5	n-Heptane	1.77	0.73	U
110-54-3	n-Hexane	1.77	1.3	D
95-47-6	o-Xylene	1.77	10	D
179601-23-1	p- & m- Xylenes	1.77	25	D
622-96-8	p-Ethyltoluene	1.77	5.5	D
115-07-1	Propylene	1.77	0.30	U
100-42-5	Styrene	1.77	0.75	U
127-18-4	Tetrachloroethylene	1.77	1.2	U
109-99-9	Tetrahydrofuran	1.77	21	D
108-88-3	Toluene	1.77	15	D
156-60-5	trans-1,2-Dichloroethylene	1.77	0.70	U
10061-02-6	trans-1,3-Dichloropropylene	1.77	0.80	U
79-01-6	Trichloroethylene	1.77	0.24	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.77	1.2	D
108-05-4	Vinyl acetate	1.77	0.62	U
593-60-2	Vinyl bromide	1.77	0.77	U
75-01-4	Vinyl Chloride	1.77	0.23	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,4-Difluorobenzene	663329	13.777	630999	13.771	
ISTD: d5-Chlorobenzene	622880	19.006	657175	19	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23I0538-01 File ID: TO300567.D

Sampled: 09/08/23 14:14 Prepared: 09/13/23 15:00 Analyzed: 09/14/23 07:41

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI30813 Sequence: S3I1452 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	18	12.4	U
71-55-6	1,1,1-Trichloroethane	18	22.6	D
79-34-5	1,1,2,2-Tetrachloroethane	18	12.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	18	13.8	U
79-00-5	1,1,2-Trichloroethane	18	9.82	U
75-34-3	1,1-Dichloroethane	18	7.29	U
75-35-4	1,1-Dichloroethylene	18	3.57	U
120-82-1	1,2,4-Trichlorobenzene	18	13.4	U J
95-63-6	1,2,4-Trimethylbenzene	18	8.85	U
106-93-4	1,2-Dibromoethane	18	13.8	U
95-50-1	1,2-Dichlorobenzene	18	10.8	U
107-06-2	1,2-Dichloroethane	18	7.28	U
78-87-5	1,2-Dichloropropane	18	8.32	U
76-14-2	1,2-Dichlorotetrafluoroethane	18	12.6	U
108-67-8	1,3,5-Trimethylbenzene	18	8.85	U
106-99-0	1,3-Butadiene	18	11.9	U
541-73-1	1,3-Dichlorobenzene	18	10.8	U
142-28-9	1,3-Dichloropropane	18	8.32	U
106-46-7	1,4-Dichlorobenzene	18	10.8	U
123-91-1	1,4-Dioxane	18	13.0	U
78-93-3	2-Butanone	18	1140	D
591-78-6	2-Hexanone	18	92.2	D
107-05-1	3-Chloropropene	18	28.2	U
108-10-1	4-Methyl-2-pentanone	18	7.37	U
67-64-1	Acetone	18	511	D
107-13-1	Acrylonitrile	18	3.91	U
71-43-2	Benzene	18	5.75	U
100-44-7	Benzyl chloride	18	9.32	U
75-27-4	Bromodichloromethane	18	12.1	U
75-25-2	Bromoform	18	18.6	U
74-83-9	Bromomethane	18	6.99	U J
75-15-0	Carbon disulfide	18	5.61	U
56-23-5	Carbon tetrachloride	18	2.83	U
108-90-7	Chlorobenzene	18	8.29	U
75-00-3	Chloroethane	18	4.75	U
67-66-3	Chloroform	18	8.79	U
74-87-3	Chloromethane	18	3.72	U
156-59-2	cis-1,2-Dichloroethylene	18	3.57	U
10061-01-5	cis-1,3-Dichloropropylene	18	8.17	U
110-82-7	Cyclohexane	18	6.20	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23I0538
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities-225-255 E 2nd St
Matrix: Soil Vapor
Laboratory ID: 23I0538-01
File ID: TO300567.D
Sampled: 09/08/23 14:14
Prepared: 09/13/23 15:00
Analyzed: 09/14/23 07:41
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BI30813
Sequence: S3I1452
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	18	15.3	U
75-71-8	Dichlorodifluoromethane	18	8.90	U
141-78-6	Ethyl acetate	18	13.0	U
100-41-4	Ethyl Benzene	18	7.82	U
87-68-3	Hexachlorobutadiene	18	19.2	U J
67-63-0	Isopropanol	18	65.0	D J
80-62-6	Methyl Methacrylate	18	8.84	D
1634-04-4	Methyl tert-butyl ether (MTBE)	18	6.49	U
75-09-2	Methylene chloride	18	12.5	U
142-82-5	n-Heptane	18	7.38	U
110-54-3	n-Hexane	18	6.34	U
95-47-6	o-Xylene	18	9.38	D
179601-23-1	p- & m- Xylenes	18	22.7	D
622-96-8	p-Ethyltoluene	18	8.85	U
115-07-1	Propylene	18	3.10	U
100-42-5	Styrene	18	7.67	U
127-18-4	Tetrachloroethylene	18	69.6	D
109-99-9	Tetrahydrofuran	18	26.5	U
108-88-3	Toluene	18	14.2	D
156-60-5	trans-1,2-Dichloroethylene	18	7.14	U
10061-02-6	trans-1,3-Dichloropropylene	18	8.17	U
79-01-6	Trichloroethylene	18	9.67	D
75-69-4	Trichlorofluoromethane (Freon 11)	18	10.1	U
108-05-4	Vinyl acetate	18	6.34	U
593-60-2	Vinyl bromide	18	7.87	U
75-01-4	Vinyl Chloride	18	2.30	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	144864	12.033	161944	12.034	
ISTD: 1,4-Difluorobenzene	284662	13.59	328919	13.59	
ISTD: d5-Chlorobenzene	251949	18.813	354217	18.813	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23I0538-02 File ID: TO300586.D

Sampled: 09/08/23 14:15 Prepared: 09/14/23 09:00 Analyzed: 09/15/23 14:36

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI30950 Sequence: S3I1928 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	17.6	12.1	U
71-55-6	1,1,1-Trichloroethane	17.6	57.7	D
79-34-5	1,1,2,2-Tetrachloroethane	17.6	12.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.6	13.5	U
79-00-5	1,1,2-Trichloroethane	17.6	9.62	U
75-34-3	1,1-Dichloroethane	17.6	7.14	U
75-35-4	1,1-Dichloroethylene	17.6	3.49	U
120-82-1	1,2,4-Trichlorobenzene	17.6	13.1	U
95-63-6	1,2,4-Trimethylbenzene	17.6	8.67	U
106-93-4	1,2-Dibromoethane	17.6	13.5	U
95-50-1	1,2-Dichlorobenzene	17.6	10.6	U
107-06-2	1,2-Dichloroethane	17.6	7.13	U
78-87-5	1,2-Dichloropropane	17.6	8.15	U
76-14-2	1,2-Dichlorotetrafluoroethane	17.6	12.3	U
108-67-8	1,3,5-Trimethylbenzene	17.6	8.67	U
106-99-0	1,3-Butadiene	17.6	11.7	U
541-73-1	1,3-Dichlorobenzene	17.6	10.6	U
142-28-9	1,3-Dichloropropane	17.6	8.15	U
106-46-7	1,4-Dichlorobenzene	17.6	10.6	U
123-91-1	1,4-Dioxane	17.6	12.7	U
78-93-3	2-Butanone	17.6	1050	D
591-78-6	2-Hexanone	17.6	84.5	D
107-05-1	3-Chloropropene	17.6	27.6	U
108-10-1	4-Methyl-2-pentanone	17.6	7.22	U
67-64-1	Acetone	17.6	423	D
107-13-1	Acrylonitrile	17.6	3.83	U
71-43-2	Benzene	17.6	5.63	U
100-44-7	Benzyl chloride	17.6	9.13	U
75-27-4	Bromodichloromethane	17.6	11.8	U
75-25-2	Bromoform	17.6	18.2	U
74-83-9	Bromomethane	17.6	6.85	U
75-15-0	Carbon disulfide	17.6	5.49	U
56-23-5	Carbon tetrachloride	17.6	2.77	U
108-90-7	Chlorobenzene	17.6	8.12	U
75-00-3	Chloroethane	17.6	4.65	U
67-66-3	Chloroform	17.6	8.61	U
74-87-3	Chloromethane	17.6	3.64	U
156-59-2	cis-1,2-Dichloroethylene	17.6	3.49	U
10061-01-5	cis-1,3-Dichloropropylene	17.6	8.00	U
110-82-7	Cyclohexane	17.6	6.07	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23I0538
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities-225-255 E 2nd St
Matrix: Soil Vapor
Laboratory ID: 23I0538-02
File ID: TO300586.D
Sampled: 09/08/23 14:15
Prepared: 09/14/23 09:00
Analyzed: 09/15/23 14:36
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BI30950
Sequence: S3I1928
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	17.6	15.0	U
75-71-8	Dichlorodifluoromethane	17.6	8.72	U
141-78-6	Ethyl acetate	17.6	12.7	U
100-41-4	Ethyl Benzene	17.6	7.66	U
87-68-3	Hexachlorobutadiene	17.6	18.8	U J
67-63-0	Isopropanol	17.6	29.5	~~D~~
80-62-6	Methyl Methacrylate	17.6	7.22	U
1634-04-4	Methyl tert-butyl ether (MTBE)	17.6	6.36	U
75-09-2	Methylene chloride	17.6	12.2	U
142-82-5	n-Heptane	17.6	7.23	U
110-54-3	n-Hexane	17.6	6.21	U
95-47-6	o-Xylene	17.6	8.42	~~D~~
179601-23-1	p- & m- Xylenes	17.6	19.9	~~D~~
622-96-8	p-Ethyltoluene	17.6	8.67	U
115-07-1	Propylene	17.6	3.03	U
100-42-5	Styrene	17.6	7.51	U
127-18-4	Tetrachloroethylene	17.6	98.1	~~D~~
109-99-9	Tetrahydrofuran	17.6	26.0	U
108-88-3	Toluene	17.6	13.3	~~D~~
156-60-5	trans-1,2-Dichloroethylene	17.6	6.99	U
10061-02-6	trans-1,3-Dichloropropylene	17.6	8.00	U
79-01-6	Trichloroethylene	17.6	15.2	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	17.6	9.91	U
108-05-4	Vinyl acetate	17.6	6.21	U
593-60-2	Vinyl bromide	17.6	7.71	U
75-01-4	Vinyl Chloride	17.6	2.25	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	221368	12.034	200448	12.027	
ISTD: 1,4-Difluorobenzene	443410	13.59	401447	13.584	
ISTD: d5-Chlorobenzene	380909	18.813	406596	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23I0538-03 File ID: TO300587.D

Sampled: 09/08/23 14:11 Prepared: 09/14/23 09:00 Analyzed: 09/15/23 15:23

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI30950 Sequence: S3I1928 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	16.6	11.4	U
71-55-6	1,1,1-Trichloroethane	16.6	47.1	D
79-34-5	1,1,2,2-Tetrachloroethane	16.6	11.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16.6	12.7	U
79-00-5	1,1,2-Trichloroethane	16.6	9.06	U
75-34-3	1,1-Dichloroethane	16.6	8.07	D
75-35-4	1,1-Dichloroethylene	16.6	3.29	U
120-82-1	1,2,4-Trichlorobenzene	16.6	12.3	U
95-63-6	1,2,4-Trimethylbenzene	16.6	8.17	U
106-93-4	1,2-Dibromoethane	16.6	12.8	U
95-50-1	1,2-Dichlorobenzene	16.6	9.99	U
107-06-2	1,2-Dichloroethane	16.6	6.72	U
78-87-5	1,2-Dichloropropane	16.6	7.68	U
76-14-2	1,2-Dichlorotetrafluoroethane	16.6	11.6	U
108-67-8	1,3,5-Trimethylbenzene	16.6	8.17	U
106-99-0	1,3-Butadiene	16.6	11.0	U
541-73-1	1,3-Dichlorobenzene	16.6	9.99	U
142-28-9	1,3-Dichloropropane	16.6	7.68	U
106-46-7	1,4-Dichlorobenzene	16.6	9.99	U
123-91-1	1,4-Dioxane	16.6	12.0	U
78-93-3	2-Butanone	16.6	1420	D
591-78-6	2-Hexanone	16.6	107	D
107-05-1	3-Chloropropene	16.6	26.0	U
108-10-1	4-Methyl-2-pentanone	16.6	6.80	U
67-64-1	Acetone	16.6	522	D
107-13-1	Acrylonitrile	16.6	3.60	U
71-43-2	Benzene	16.6	5.31	U
100-44-7	Benzyl chloride	16.6	8.60	U
75-27-4	Bromodichloromethane	16.6	11.1	U
75-25-2	Bromoform	16.6	17.2	U
74-83-9	Bromomethane	16.6	6.45	U
75-15-0	Carbon disulfide	16.6	5.17	U
56-23-5	Carbon tetrachloride	16.6	2.61	U
108-90-7	Chlorobenzene	16.6	7.65	U
75-00-3	Chloroethane	16.6	4.38	U
67-66-3	Chloroform	16.6	8.11	U
74-87-3	Chloromethane	16.6	3.43	U
156-59-2	cis-1,2-Dichloroethylene	16.6	3.29	U
10061-01-5	cis-1,3-Dichloropropylene	16.6	7.54	U
110-82-7	Cyclohexane	16.6	5.72	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23I0538-03 File ID: TO300587.D

Sampled: 09/08/23 14:11 Prepared: 09/14/23 09:00 Analyzed: 09/15/23 15:23

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI30950 Sequence: S3I1928 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	16.6	14.1	U
75-71-8	Dichlorodifluoromethane	16.6	8.21	U
141-78-6	Ethyl acetate	16.6	12.0	U
100-41-4	Ethyl Benzene	16.6	7.21	U
87-68-3	Hexachlorobutadiene	16.6	17.7	U J
67-63-0	Isopropanol	16.6	22.0	~~D~~
80-62-6	Methyl Methacrylate	16.6	6.80	U
1634-04-4	Methyl tert-butyl ether (MTBE)	16.6	5.99	U
75-09-2	Methylene chloride	16.6	11.5	U
142-82-5	n-Heptane	16.6	6.81	U
110-54-3	n-Hexane	16.6	5.85	U
95-47-6	o-Xylene	16.6	7.93	~~D~~
179601-23-1	p- & m- Xylenes	16.6	18.0	~~D~~
622-96-8	p-Ethyltoluene	16.6	8.17	U
115-07-1	Propylene	16.6	2.86	U
100-42-5	Styrene	16.6	7.08	U
127-18-4	Tetrachloroethylene	16.6	96.9	~~D~~
109-99-9	Tetrahydrofuran	16.6	24.5	U
108-88-3	Toluene	16.6	14.4	~~D~~
156-60-5	trans-1,2-Dichloroethylene	16.6	6.59	U
10061-02-6	trans-1,3-Dichloropropylene	16.6	7.54	U
79-01-6	Trichloroethylene	16.6	29.5	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	16.6	9.33	U
108-05-4	Vinyl acetate	16.6	5.85	U
593-60-2	Vinyl bromide	16.6	7.27	U
75-01-4	Vinyl Chloride	16.6	2.12	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	235173	12.034	200448	12.027	
ISTD: 1,4-Difluorobenzene	492424	13.59	401447	13.584	
ISTD: d5-Chlorobenzene	424256	18.813	406596	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23I0538-04 File ID: TO300588.D

Sampled: 09/08/23 14:10 Prepared: 09/14/23 09:00 Analyzed: 09/15/23 16:10

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI30950 Sequence: S3I1928 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	17.4	12.0	U
71-55-6	1,1,1-Trichloroethane	17.4	72.2	D
79-34-5	1,1,2,2-Tetrachloroethane	17.4	12.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	17.4	13.3	U
79-00-5	1,1,2-Trichloroethane	17.4	9.50	U
75-34-3	1,1-Dichloroethane	17.4	7.05	U
75-35-4	1,1-Dichloroethylene	17.4	3.45	U
120-82-1	1,2,4-Trichlorobenzene	17.4	12.9	U
95-63-6	1,2,4-Trimethylbenzene	17.4	8.56	U
106-93-4	1,2-Dibromoethane	17.4	13.4	U
95-50-1	1,2-Dichlorobenzene	17.4	10.5	U
107-06-2	1,2-Dichloroethane	17.4	7.05	U
78-87-5	1,2-Dichloropropane	17.4	8.04	U
76-14-2	1,2-Dichlorotetrafluoroethane	17.4	12.2	U
108-67-8	1,3,5-Trimethylbenzene	17.4	8.56	U
106-99-0	1,3-Butadiene	17.4	11.6	U
541-73-1	1,3-Dichlorobenzene	17.4	10.5	U
142-28-9	1,3-Dichloropropane	17.4	8.05	U
106-46-7	1,4-Dichlorobenzene	17.4	10.5	U
123-91-1	1,4-Dioxane	17.4	12.5	U
78-93-3	2-Butanone	17.4	1050	D
591-78-6	2-Hexanone	17.4	80.6	D
107-05-1	3-Chloropropene	17.4	27.2	U
108-10-1	4-Methyl-2-pentanone	17.4	7.13	U
67-64-1	Acetone	17.4	393	D
107-13-1	Acrylonitrile	17.4	3.78	U
71-43-2	Benzene	17.4	5.56	U
100-44-7	Benzyl chloride	17.4	9.01	U
75-27-4	Bromodichloromethane	17.4	11.7	U
75-25-2	Bromoform	17.4	18.0	U
74-83-9	Bromomethane	17.4	6.76	U
75-15-0	Carbon disulfide	17.4	5.42	U
56-23-5	Carbon tetrachloride	17.4	2.74	U
108-90-7	Chlorobenzene	17.4	8.02	U
75-00-3	Chloroethane	17.4	4.59	U
67-66-3	Chloroform	17.4	8.50	U
74-87-3	Chloromethane	17.4	3.60	U
156-59-2	cis-1,2-Dichloroethylene	17.4	3.45	U
10061-01-5	cis-1,3-Dichloropropylene	17.4	7.90	U
110-82-7	Cyclohexane	17.4	5.99	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-090823

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23I0538
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities-225-255 E 2nd St
Matrix:	Soil Vapor	Laboratory ID:	23I0538-04	File ID:	TO300588.D
Sampled:	09/08/23 14:10	Prepared:	09/14/23 09:00	Analyzed:	09/15/23 16:10
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BI30950	Sequence:	S3I1928	Calibration:	SI30001
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	17.4	14.8	U
75-71-8	Dichlorodifluoromethane	17.4	8.61	U
141-78-6	Ethyl acetate	17.4	12.5	U
100-41-4	Ethyl Benzene	17.4	7.56	U
87-68-3	Hexachlorobutadiene	17.4	18.6	U J
67-63-0	Isopropanol	17.4	18.8	~~D~~
80-62-6	Methyl Methacrylate	17.4	7.13	U
1634-04-4	Methyl tert-butyl ether (MTBE)	17.4	6.28	U
75-09-2	Methylene chloride	17.4	12.1	U
142-82-5	n-Heptane	17.4	7.14	U
110-54-3	n-Hexane	17.4	6.14	U
95-47-6	o-Xylene	17.4	7.56	U
179601-23-1	p- & m- Xylenes	17.4	17.4	~~D~~
622-96-8	p-Ethyltoluene	17.4	8.56	U
115-07-1	Propylene	17.4	3.00	U
100-42-5	Styrene	17.4	7.42	U
127-18-4	Tetrachloroethylene	17.4	55.5	~~D~~
109-99-9	Tetrahydrofuran	17.4	25.7	U
108-88-3	Toluene	17.4	13.8	~~D~~
156-60-5	trans-1,2-Dichloroethylene	17.4	6.90	U
10061-02-6	trans-1,3-Dichloropropylene	17.4	7.90	U
79-01-6	Trichloroethylene	17.4	19.6	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	17.4	9.78	U
108-05-4	Vinyl acetate	17.4	6.13	U
593-60-2	Vinyl bromide	17.4	7.62	U
75-01-4	Vinyl Chloride	17.4	2.23	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	237721	12.033	200448	12.027	
ISTD: 1,4-Difluorobenzene	484147	13.59	401447	13.584	
ISTD: d5-Chlorobenzene	414856	18.813	406596	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23I0538-05 File ID: TQ226908.D

Sampled: 09/08/23 14:07 Prepared: 09/19/23 09:00 Analyzed: 09/19/23 15:38

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI31151 Sequence: S3I1946 Calibration: SH30048 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.7	1.17	U
71-55-6	1,1,1-Trichloroethane	1.7	36.8	D
79-34-5	1,1,2,2-Tetrachloroethane	1.7	1.17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.7	1.30	U
79-00-5	1,1,2-Trichloroethane	1.7	0.929	U
75-34-3	1,1-Dichloroethane	1.7	5.99	D
75-35-4	1,1-Dichloroethylene	1.7	0.337	U
120-82-1	1,2,4-Trichlorobenzene	1.7	2.53	D
95-63-6	1,2,4-Trimethylbenzene	1.7	3.35	D
106-93-4	1,2-Dibromoethane	1.7	1.31	U
95-50-1	1,2-Dichlorobenzene	1.7	1.02	U
107-06-2	1,2-Dichloroethane	1.7	0.689	U
78-87-5	1,2-Dichloropropane	1.7	0.786	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.7	1.19	U
108-67-8	1,3,5-Trimethylbenzene	1.7	1.00	D
106-99-0	1,3-Butadiene	1.7	1.13	U
541-73-1	1,3-Dichlorobenzene	1.7	1.23	D
142-28-9	1,3-Dichloropropane	1.7	0.787	U
106-46-7	1,4-Dichlorobenzene	1.7	1.02	U
123-91-1	1,4-Dioxane	1.7	1.23	U
78-93-3	2-Butanone	1.7	6.68	D
591-78-6	2-Hexanone	1.7	1.74	D
107-05-1	3-Chloropropene	1.7	2.66	U
108-10-1	4-Methyl-2-pentanone	1.7	1.26	D
67-64-1	Acetone	1.7	9.95	D
107-13-1	Acrylonitrile	1.7	0.369	U
71-43-2	Benzene	1.7	0.870	D
100-44-7	Benzyl chloride	1.7	0.881	U
75-27-4	Bromodichloromethane	1.7	1.14	U
75-25-2	Bromoform	1.7	1.76	U
74-83-9	Bromomethane	1.7	0.661	U
75-15-0	Carbon disulfide	1.7	0.530	U
56-23-5	Carbon tetrachloride	1.7	0.321	D
108-90-7	Chlorobenzene	1.7	0.784	U
75-00-3	Chloroethane	1.7	0.449	U
67-66-3	Chloroform	1.7	1.33	D
74-87-3	Chloromethane	1.7	0.949	D J
156-59-2	cis-1,2-Dichloroethylene	1.7	1.89	D
10061-01-5	cis-1,3-Dichloropropylene	1.7	0.772	U
110-82-7	Cyclohexane	1.7	0.586	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23I0538-05 File ID: TQ226908.D

Sampled: 09/08/23 14:07 Prepared: 09/19/23 09:00 Analyzed: 09/19/23 15:38

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI31151 Sequence: S3I1946 Calibration: SH30048 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.7	1.45	U
75-71-8	Dichlorodifluoromethane	1.7	0.842	U
141-78-6	Ethyl acetate	1.7	1.23	U
100-41-4	Ethyl Benzene	1.7	2.66	D
87-68-3	Hexachlorobutadiene	1.7	1.82	U J
67-63-0	Isopropanol	1.7	2.84	D
80-62-6	Methyl Methacrylate	1.7	0.836	D
1634-04-4	Methyl tert-butyl ether (MTBE)	1.7	0.614	U
75-09-2	Methylene chloride	1.7	2.25	D
142-82-5	n-Heptane	1.7	1.19	D
110-54-3	n-Hexane	1.7	0.900	D
95-47-6	o-Xylene	1.7	4.43	D
179601-23-1	p- & m- Xylenes	1.7	11.0	D
622-96-8	p-Ethyltoluene	1.7	2.93	D
115-07-1	Propylene	1.7	0.293	U
100-42-5	Styrene	1.7	4.57	D
127-18-4	Tetrachloroethylene	1.7	114	D
109-99-9	Tetrahydrofuran	1.7	2.51	U
108-88-3	Toluene	1.7	7.70	D
156-60-5	trans-1,2-Dichloroethylene	1.7	0.675	U
10061-02-6	trans-1,3-Dichloropropylene	1.7	0.772	U
79-01-6	Trichloroethylene	1.7	22.8	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.7	0.956	U
108-05-4	Vinyl acetate	1.7	0.599	U
593-60-2	Vinyl bromide	1.7	0.744	U
75-01-4	Vinyl Chloride	1.7	0.218	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	218076	11.999	228792	11.993	
ISTD: 1,4-Difluorobenzene	1060748	13.56	1143066	13.559	
ISTD: d5-Chlorobenzene	937789	18.802	1084493	18.802	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-CARBON-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23I0538-06 File ID: TQ226886.D

Sampled: 09/08/23 14:15 Prepared: 09/18/23 08:00 Analyzed: 09/18/23 15:49

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI31061 Sequence: S3I1953 Calibration: SH30048 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.7	1.17	U
71-55-6	1,1,1-Trichloroethane	1.7	54.0	D
79-34-5	1,1,2,2-Tetrachloroethane	1.7	1.17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.7	1.30	U
79-00-5	1,1,2-Trichloroethane	1.7	0.929	U
75-34-3	1,1-Dichloroethane	1.7	6.68	D
75-35-4	1,1-Dichloroethylene	1.7	0.607	D
120-82-1	1,2,4-Trichlorobenzene	1.7	1.26	U
95-63-6	1,2,4-Trimethylbenzene	1.7	5.52	D
106-93-4	1,2-Dibromoethane	1.7	1.31	U
95-50-1	1,2-Dichlorobenzene	1.7	1.02	U
107-06-2	1,2-Dichloroethane	1.7	0.689	U
78-87-5	1,2-Dichloropropane	1.7	0.786	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.7	1.19	U
108-67-8	1,3,5-Trimethylbenzene	1.7	1.84	D
106-99-0	1,3-Butadiene	1.7	1.13	U
541-73-1	1,3-Dichlorobenzene	1.7	1.43	D
142-28-9	1,3-Dichloropropane	1.7	0.787	U
106-46-7	1,4-Dichlorobenzene	1.7	1.02	U
123-91-1	1,4-Dioxane	1.7	1.23	U
78-93-3	2-Butanone	1.7	9.49	D
591-78-6	2-Hexanone	1.7	3.35	D
107-05-1	3-Chloropropene	1.7	2.66	U
108-10-1	4-Methyl-2-pentanone	1.7	2.02	D
67-64-1	Acetone	1.7	19.4	D
107-13-1	Acrylonitrile	1.7	0.369	U
71-43-2	Benzene	1.7	0.652	D
100-44-7	Benzyl chloride	1.7	0.881	U
75-27-4	Bromodichloromethane	1.7	1.14	U
75-25-2	Bromoform	1.7	1.76	U
74-83-9	Bromomethane	1.7	0.661	U
75-15-0	Carbon disulfide	1.7	0.530	U
56-23-5	Carbon tetrachloride	1.7	0.428	D
108-90-7	Chlorobenzene	1.7	0.784	U
75-00-3	Chloroethane	1.7	0.449	U
67-66-3	Chloroform	1.7	1.08	D
74-87-3	Chloromethane	1.7	0.668	D
156-59-2	cis-1,2-Dichloroethylene	1.7	0.675	D
10061-01-5	cis-1,3-Dichloropropylene	1.7	0.772	U
110-82-7	Cyclohexane	1.7	1.46	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-CARBON-090823

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23I0538
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities-225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	23I0538-06	File ID:	TQ226886.D
Sampled:	09/08/23 14:15	Prepared:	09/18/23 08:00	Analyzed:	09/18/23 15:49
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BI31061	Sequence:	S3I1953	Calibration:	SH30048
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.7	1.45	U
75-71-8	Dichlorodifluoromethane	1.7	2.44	D
141-78-6	Ethyl acetate	1.7	1.23	U
100-41-4	Ethyl Benzene	1.7	4.66	D
87-68-3	Hexachlorobutadiene	1.7	1.82	U
67-63-0	Isopropanol	1.7	4.94	D
80-62-6	Methyl Methacrylate	1.7	1.25	D
1634-04-4	Methyl tert-butyl ether (MTBE)	1.7	0.614	U
75-09-2	Methylene chloride	1.7	3.19	D
142-82-5	n-Heptane	1.7	1.40	D
110-54-3	n-Hexane	1.7	0.660	D
95-47-6	o-Xylene	1.7	7.76	D
179601-23-1	p- & m- Xylenes	1.7	19.3	D
622-96-8	p-Ethyltoluene	1.7	5.19	D
115-07-1	Propylene	1.7	0.293	U
100-42-5	Styrene	1.7	7.54	D
127-18-4	Tetrachloroethylene	1.7	1.15	U
109-99-9	Tetrahydrofuran	1.7	2.51	U
108-88-3	Toluene	1.7	13.7	D
156-60-5	trans-1,2-Dichloroethylene	1.7	0.675	U
10061-02-6	trans-1,3-Dichloropropylene	1.7	0.772	U
79-01-6	Trichloroethylene	1.7	43.3	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.7	2.30	D
108-05-4	Vinyl acetate	1.7	0.599	U
593-60-2	Vinyl bromide	1.7	0.744	U
75-01-4	Vinyl Chloride	1.7	0.218	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	169449	11.993	164954	11.981	
ISTD: 1,4-Difluorobenzene	789045	13.553	741486	13.547	
ISTD: d5-Chlorobenzene	743852	18.796	718231	18.802	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-090823

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23I0538
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities-225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	23I0538-07	File ID:	TQ226887.D
Sampled:	09/08/23 14:20	Prepared:	09/18/23 08:00	Analyzed:	09/18/23 18:00
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BI31061	Sequence:	S3I1953	Calibration:	SH30048
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.83	1.38	D
71-55-6	1,1,1-Trichloroethane	1.83	50.1	D
79-34-5	1,1,2,2-Tetrachloroethane	1.83	1.26	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.83	2.53	D
79-00-5	1,1,2-Trichloroethane	1.83	1.70	D
75-34-3	1,1-Dichloroethane	1.83	8.83	D
75-35-4	1,1-Dichloroethylene	1.83	1.38	D J
120-82-1	1,2,4-Trichlorobenzene	1.83	1.63	D
95-63-6	1,2,4-Trimethylbenzene	1.83	4.69	D
106-93-4	1,2-Dibromoethane	1.83	1.83	D
95-50-1	1,2-Dichlorobenzene	1.83	1.21	D
107-06-2	1,2-Dichloroethane	1.83	0.891	D
78-87-5	1,2-Dichloropropane	1.83	1.44	D
76-14-2	1,2-Dichlorotetrafluoroethane	1.83	1.67	D
108-67-8	1,3,5-Trimethylbenzene	1.83	2.52	D
106-99-0	1,3-Butadiene	1.83	1.22	U
541-73-1	1,3-Dichlorobenzene	1.83	1.76	D
142-28-9	1,3-Dichloropropane	1.83	1.19	D
106-46-7	1,4-Dichlorobenzene	1.83	1.10	U
123-91-1	1,4-Dioxane	1.83	1.85	D J
78-93-3	2-Butanone	1.83	7.63	D
591-78-6	2-Hexanone	1.83	2.70	D J
107-05-1	3-Chloropropene	1.83	2.87	U
108-10-1	4-Methyl-2-pentanone	1.83	3.08	D
67-64-1	Acetone	1.83	25.0	D
107-13-1	Acrylonitrile	1.83	0.796	D
71-43-2	Benzene	1.83	1.35	D J
100-44-7	Benzyl chloride	1.83	0.949	U
75-27-4	Bromodichloromethane	1.83	2.46	D J
75-25-2	Bromoform	1.83	1.90	U
74-83-9	Bromomethane	1.83	1.07	D
75-15-0	Carbon disulfide	1.83	1.20	D
56-23-5	Carbon tetrachloride	1.83	1.15	D
108-90-7	Chlorobenzene	1.83	1.10	D
75-00-3	Chloroethane	1.83	0.823	D
67-66-3	Chloroform	1.83	1.79	D
74-87-3	Chloromethane	1.83	1.14	D
156-59-2	cis-1,2-Dichloroethylene	1.83	1.60	D J
10061-01-5	cis-1,3-Dichloropropylene	1.83	1.08	D
110-82-7	Cyclohexane	1.83	1.39	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-090823

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23I0538

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities-225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23I0538-07 File ID: TQ226887.D

Sampled: 09/08/23 14:20 Prepared: 09/18/23 08:00 Analyzed: 09/18/23 18:00

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BI31061 Sequence: S3I1953 Calibration: SH30048 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.83	1.56	U
75-71-8	Dichlorodifluoromethane	1.83	3.08	D
141-78-6	Ethyl acetate	1.83	1.85	D
100-41-4	Ethyl Benzene	1.83	5.02	D
87-68-3	Hexachlorobutadiene	1.83	1.96	D
67-63-0	Isopropanol	1.83	5.91	D
80-62-6	Methyl Methacrylate	1.83	2.55	D
1634-04-4	Methyl tert-butyl ether (MTBE)	1.83	0.926	D
75-09-2	Methylene chloride	1.83	7.01	D
142-82-5	n-Heptane	1.83	2.63	D J
110-54-3	n-Hexane	1.83	1.55	D J
95-47-6	o-Xylene	1.83	7.01	D
179601-23-1	p- & m- Xylenes	1.83	18.4	D
622-96-8	p-Ethyltoluene	1.83	4.96	D
115-07-1	Propylene	1.83	0.316	U
100-42-5	Styrene	1.83	8.98	D
127-18-4	Tetrachloroethylene	1.83	1.74	D J
109-99-9	Tetrahydrofuran	1.83	6.27	~~BD~~
108-88-3	Toluene	1.83	15.4	D
156-60-5	trans-1,2-Dichloroethylene	1.83	1.45	D
10061-02-6	trans-1,3-Dichloropropylene	1.83	0.999	D
79-01-6	Trichloroethylene	1.83	1.28	D J
75-69-4	Trichlorofluoromethane (Freon 11)	1.83	3.09	D J
108-05-4	Vinyl acetate	1.83	1.10	D
593-60-2	Vinyl bromide	1.83	1.04	D
75-01-4	Vinyl Chloride	1.83	0.563	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	204610	11.993	164954	11.981	
ISTD: 1,4-Difluorobenzene	1020773	13.553	741486	13.547	
ISTD: d5-Chlorobenzene	931343	18.796	718231	18.802	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23J0509-01 File ID: TO300989.D

Sampled: 10/06/23 13:33 Prepared: 10/12/23 12:00 Analyzed: 10/13/23 06:56

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30853 Sequence: S3J1324 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	8.49	5.8	U
71-55-6	1,1,1-Trichloroethane	8.49	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	8.49	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.49	6.5	U
79-00-5	1,1,2-Trichloroethane	8.49	4.6	U
75-34-3	1,1-Dichloroethane	8.49	3.4	U
75-35-4	1,1-Dichloroethylene	8.49	0.84	U
120-82-1	1,2,4-Trichlorobenzene	8.49	6.3	U
95-63-6	1,2,4-Trimethylbenzene	8.49	5.4	D
106-93-4	1,2-Dibromoethane	8.49	6.5	U
95-50-1	1,2-Dichlorobenzene	8.49	5.1	U
107-06-2	1,2-Dichloroethane	8.49	3.4	U
78-87-5	1,2-Dichloropropane	8.49	3.9	U
76-14-2	1,2-Dichlorotetrafluoroethane	8.49	5.9	U J
108-67-8	1,3,5-Trimethylbenzene	8.49	4.2	U
106-99-0	1,3-Butadiene	8.49	5.6	U
541-73-1	1,3-Dichlorobenzene	8.49	5.1	U
142-28-9	1,3-Dichloropropane	8.49	3.9	U
106-46-7	1,4-Dichlorobenzene	8.49	5.1	U
123-91-1	1,4-Dioxane	8.49	6.1	U
78-93-3	2-Butanone	8.49	610	D
591-78-6	2-Hexanone	8.49	43	D
107-05-1	3-Chloropropene	8.49	13	U
108-10-1	4-Methyl-2-pentanone	8.49	3.5	U
67-64-1	Acetone	8.49	240	D
107-13-1	Acrylonitrile	8.49	1.8	U
71-43-2	Benzene	8.49	2.7	D
100-44-7	Benzyl chloride	8.49	4.4	U
75-27-4	Bromodichloromethane	8.49	5.7	U
75-25-2	Bromoform	8.49	8.8	U
74-83-9	Bromomethane	8.49	3.3	U
75-15-0	Carbon disulfide	8.49	2.6	U
56-23-5	Carbon tetrachloride	8.49	1.3	U
108-90-7	Chlorobenzene	8.49	3.9	U
75-00-3	Chloroethane	8.49	2.2	U
67-66-3	Chloroform	8.49	4.1	U
74-87-3	Chloromethane	8.49	1.8	D
156-59-2	cis-1,2-Dichloroethylene	8.49	0.84	U
10061-01-5	cis-1,3-Dichloropropylene	8.49	3.9	U
110-82-7	Cyclohexane	8.49	2.9	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23J0509
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities 225-255 E 2nd St
Matrix: Vapor Extraction
Laboratory ID: 23J0509-01
File ID: TO300989.D
Sampled: 10/06/23 13:33
Prepared: 10/12/23 12:00
Analyzed: 10/13/23 06:56
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BJ30853
Sequence: S3J1324
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	8.49	7.2	U
75-71-8	Dichlorodifluoromethane	8.49	4.2	U
141-78-6	Ethyl acetate	8.49	6.1	U
100-41-4	Ethyl Benzene	8.49	4.4	~~D~~
87-68-3	Hexachlorobutadiene	8.49	9.1	U J
67-63-0	Isopropanol	8.49	51	~~BD~~
80-62-6	Methyl Methacrylate	8.49	3.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	8.49	3.1	U
75-09-2	Methylene chloride	8.49	7.7	~~D~~
142-82-5	n-Heptane	8.49	3.5	U
110-54-3	n-Hexane	8.49	3.0	D
95-47-6	o-Xylene	8.49	5.2	D
179601-23-1	p- & m- Xylenes	8.49	16	D
622-96-8	p-Ethyltoluene	8.49	4.6	D
115-07-1	Propylene	8.49	1.5	U
100-42-5	Styrene	8.49	3.6	U
127-18-4	Tetrachloroethylene	8.49	5.8	U
109-99-9	Tetrahydrofuran	8.49	5.0	U
108-88-3	Toluene	8.49	14	~~D~~
156-60-5	trans-1,2-Dichloroethylene	8.49	3.4	U
10061-02-6	trans-1,3-Dichloropropylene	8.49	3.9	U
79-01-6	Trichloroethylene	8.49	1.1	U
75-69-4	Trichlorofluoromethane (Freon 11)	8.49	4.8	U
108-05-4	Vinyl acetate	8.49	3.0	U
593-60-2	Vinyl bromide	8.49	3.7	U
75-01-4	Vinyl Chloride	8.49	1.1	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	257973	12.033	218871	12.027	
ISTD: 1,4-Difluorobenzene	557293	13.584	467523	13.584	
ISTD: d5-Chlorobenzene	500329	18.813	519600	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23J0509-02 File ID: TO301003.D

Sampled: 10/06/23 13:32 Prepared: 10/13/23 10:00 Analyzed: 10/13/23 21:08

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30931 Sequence: S3J1339 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	7.21	5.0	U
71-55-6	1,1,1-Trichloroethane	7.21	4.7	D
79-34-5	1,1,2,2-Tetrachloroethane	7.21	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.21	5.5	U
79-00-5	1,1,2-Trichloroethane	7.21	3.9	U
75-34-3	1,1-Dichloroethane	7.21	2.9	U
75-35-4	1,1-Dichloroethylene	7.21	0.71	U
120-82-1	1,2,4-Trichlorobenzene	7.21	5.4	U
95-63-6	1,2,4-Trimethylbenzene	7.21	6.0	D
106-93-4	1,2-Dibromoethane	7.21	5.5	U
95-50-1	1,2-Dichlorobenzene	7.21	4.3	U
107-06-2	1,2-Dichloroethane	7.21	2.9	U
78-87-5	1,2-Dichloropropane	7.21	3.3	U
76-14-2	1,2-Dichlorotetrafluoroethane	7.21	5.0	U
108-67-8	1,3,5-Trimethylbenzene	7.21	3.5	U
106-99-0	1,3-Butadiene	7.21	4.8	U
541-73-1	1,3-Dichlorobenzene	7.21	4.3	U
142-28-9	1,3-Dichloropropane	7.21	3.3	U
106-46-7	1,4-Dichlorobenzene	7.21	4.3	U
123-91-1	1,4-Dioxane	7.21	5.2	U
78-93-3	2-Butanone	7.21	610	D
591-78-6	2-Hexanone	7.21	43	D
107-05-1	3-Chloropropene	7.21	11	U
108-10-1	4-Methyl-2-pentanone	7.21	3.0	U
67-64-1	Acetone	7.21	240	D
107-13-1	Acrylonitrile	7.21	1.6	U
71-43-2	Benzene	7.21	2.8	D
100-44-7	Benzyl chloride	7.21	3.7	U
75-27-4	Bromodichloromethane	7.21	4.8	U
75-25-2	Bromoform	7.21	7.5	U
74-83-9	Bromomethane	7.21	2.8	U
75-15-0	Carbon disulfide	7.21	2.2	U
56-23-5	Carbon tetrachloride	7.21	1.1	U
108-90-7	Chlorobenzene	7.21	3.3	U
75-00-3	Chloroethane	7.21	1.9	U
67-66-3	Chloroform	7.21	3.5	U
74-87-3	Chloromethane	7.21	1.5	U J
156-59-2	cis-1,2-Dichloroethylene	7.21	0.71	U
10061-01-5	cis-1,3-Dichloropropylene	7.21	3.3	U
110-82-7	Cyclohexane	7.21	2.5	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-100623

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23J0509
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities 225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	23J0509-02	File ID:	TO301003.D
Sampled:	10/06/23 13:32	Prepared:	10/13/23 10:00	Analyzed:	10/13/23 21:08
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BJ30931	Sequence:	S3J1339	Calibration:	SI30001
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	7.21	6.1	U
75-71-8	Dichlorodifluoromethane	7.21	3.6	U
141-78-6	Ethyl acetate	7.21	5.2	U
100-41-4	Ethyl Benzene	7.21	4.7	~~D~~
87-68-3	Hexachlorobutadiene	7.21	7.7	U J
67-63-0	Isopropanol	7.21	51	~~BD~~
80-62-6	Methyl Methacrylate	7.21	3.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	7.21	2.6	U
75-09-2	Methylene chloride	7.21	7.3	~~D~~
142-82-5	n-Heptane	7.21	3.0	U
110-54-3	n-Hexane	7.21	3.3	D
95-47-6	o-Xylene	7.21	5.6	D
179601-23-1	p- & m- Xylenes	7.21	18	D
622-96-8	p-Ethyltoluene	7.21	5.0	D
115-07-1	Propylene	7.21	39	D
100-42-5	Styrene	7.21	3.4	D
127-18-4	Tetrachloroethylene	7.21	4.9	U
109-99-9	Tetrahydrofuran	7.21	4.3	U
108-88-3	Toluene	7.21	14	~~D~~
156-60-5	trans-1,2-Dichloroethylene	7.21	2.9	U
10061-02-6	trans-1,3-Dichloropropylene	7.21	3.3	U
79-01-6	Trichloroethylene	7.21	0.97	U
75-69-4	Trichlorofluoromethane (Freon 11)	7.21	4.1	U
108-05-4	Vinyl acetate	7.21	2.5	U
593-60-2	Vinyl bromide	7.21	3.2	U
75-01-4	Vinyl Chloride	7.21	0.92	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	281468	12.027	241339	12.027	
ISTD: 1,4-Difluorobenzene	604596	13.584	533404	13.584	
ISTD: d5-Chlorobenzene	528431	18.813	580259	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23J0509-03 File ID: TO301016.D

Sampled: 10/06/23 13:30 Prepared: 10/13/23 10:00 Analyzed: 10/14/23 08:03

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30931 Sequence: S3J1339 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	6.48	4.5	U
71-55-6	1,1,1-Trichloroethane	6.48	3.5	U
79-34-5	1,1,2,2-Tetrachloroethane	6.48	4.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.48	5.0	U
79-00-5	1,1,2-Trichloroethane	6.48	3.5	U
75-34-3	1,1-Dichloroethane	6.48	2.6	U
75-35-4	1,1-Dichloroethylene	6.48	0.64	U
120-82-1	1,2,4-Trichlorobenzene	6.48	4.8	U
95-63-6	1,2,4-Trimethylbenzene	6.48	5.1	D
106-93-4	1,2-Dibromoethane	6.48	5.0	U
95-50-1	1,2-Dichlorobenzene	6.48	3.9	U
107-06-2	1,2-Dichloroethane	6.48	2.6	U
78-87-5	1,2-Dichloropropane	6.48	3.0	U
76-14-2	1,2-Dichlorotetrafluoroethane	6.48	4.5	U
108-67-8	1,3,5-Trimethylbenzene	6.48	3.2	U
106-99-0	1,3-Butadiene	6.48	4.3	U
541-73-1	1,3-Dichlorobenzene	6.48	3.9	U
142-28-9	1,3-Dichloropropane	6.48	3.0	U
106-46-7	1,4-Dichlorobenzene	6.48	3.9	U
123-91-1	1,4-Dioxane	6.48	4.7	U
78-93-3	2-Butanone	6.48	440	D
591-78-6	2-Hexanone	6.48	31	D
107-05-1	3-Chloropropene	6.48	10	U
108-10-1	4-Methyl-2-pentanone	6.48	2.7	U
67-64-1	Acetone	6.48	180	D
107-13-1	Acrylonitrile	6.48	1.4	U
71-43-2	Benzene	6.48	2.1	U
100-44-7	Benzyl chloride	6.48	3.4	U
75-27-4	Bromodichloromethane	6.48	4.3	U
75-25-2	Bromoform	6.48	6.7	U
74-83-9	Bromomethane	6.48	2.5	U
75-15-0	Carbon disulfide	6.48	2.0	U
56-23-5	Carbon tetrachloride	6.48	1.0	U
108-90-7	Chlorobenzene	6.48	3.0	U
75-00-3	Chloroethane	6.48	1.7	U
67-66-3	Chloroform	6.48	3.2	U
74-87-3	Chloromethane	6.48	1.3	U J
156-59-2	cis-1,2-Dichloroethylene	6.48	0.64	U
10061-01-5	cis-1,3-Dichloropropylene	6.48	2.9	U
110-82-7	Cyclohexane	6.48	2.2	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23J0509
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities 225-255 E 2nd St
Matrix: Vapor Extraction
Laboratory ID: 23J0509-03
File ID: TO301016.D
Sampled: 10/06/23 13:30
Prepared: 10/13/23 10:00
Analyzed: 10/14/23 08:03
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BJ30931
Sequence: S3J1339
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	6.48	5.5	U
75-71-8	Dichlorodifluoromethane	6.48	3.2	U
141-78-6	Ethyl acetate	6.48	4.7	U
100-41-4	Ethyl Benzene	6.48	3.7	~~D~~
87-68-3	Hexachlorobutadiene	6.48	6.9	U J
67-63-0	Isopropanol	6.48	35	~~BD~~
80-62-6	Methyl Methacrylate	6.48	2.7	U
1634-04-4	Methyl tert-butyl ether (MTBE)	6.48	2.3	U
75-09-2	Methylene chloride	6.48	7.7	~~D~~
142-82-5	n-Heptane	6.48	2.7	U
110-54-3	n-Hexane	6.48	2.3	D
95-47-6	o-Xylene	6.48	4.5	D
179601-23-1	p- & m- Xylenes	6.48	13	D
622-96-8	p-Ethyltoluene	6.48	4.1	D
115-07-1	Propylene	6.48	29	D
100-42-5	Styrene	6.48	2.8	U
127-18-4	Tetrachloroethylene	6.48	4.4	U
109-99-9	Tetrahydrofuran	6.48	3.8	U
108-88-3	Toluene	6.48	11	~~D~~
156-60-5	trans-1,2-Dichloroethylene	6.48	2.6	U
10061-02-6	trans-1,3-Dichloropropylene	6.48	2.9	U
79-01-6	Trichloroethylene	6.48	0.87	U
75-69-4	Trichlorofluoromethane (Freon 11)	6.48	3.6	U
108-05-4	Vinyl acetate	6.48	2.3	U
593-60-2	Vinyl bromide	6.48	2.8	U
75-01-4	Vinyl Chloride	6.48	0.83	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	248493	12.034	241339	12.027	
ISTD: 1,4-Difluorobenzene	522767	13.584	533404	13.584	
ISTD: d5-Chlorobenzene	464160	18.813	580259	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 23J0509-04 File ID: TO301017.D

Sampled: 10/06/23 13:31 Prepared: 10/13/23 10:00 Analyzed: 10/14/23 08:53

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30931 Sequence: S3J1339 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	3.25	2.2	U
71-55-6	1,1,1-Trichloroethane	3.25	3.0	~~D~~
79-34-5	1,1,2,2-Tetrachloroethane	3.25	2.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.25	2.5	U
79-00-5	1,1,2-Trichloroethane	3.25	1.8	U
75-34-3	1,1-Dichloroethane	3.25	1.3	U
75-35-4	1,1-Dichloroethylene	3.25	0.32	U
120-82-1	1,2,4-Trichlorobenzene	3.25	2.4	U
95-63-6	1,2,4-Trimethylbenzene	3.25	5.9	~~D~~
106-93-4	1,2-Dibromoethane	3.25	2.5	U
95-50-1	1,2-Dichlorobenzene	3.25	2.0	U
107-06-2	1,2-Dichloroethane	3.25	1.3	U
78-87-5	1,2-Dichloropropane	3.25	1.5	U
76-14-2	1,2-Dichlorotetrafluoroethane	3.25	2.3	U
108-67-8	1,3,5-Trimethylbenzene	3.25	1.6	U
106-99-0	1,3-Butadiene	3.25	2.2	U
541-73-1	1,3-Dichlorobenzene	3.25	2.0	U
142-28-9	1,3-Dichloropropane	3.25	1.5	U
106-46-7	1,4-Dichlorobenzene	3.25	2.0	U
123-91-1	1,4-Dioxane	3.25	2.3	U
78-93-3	2-Butanone	3.25	470	D
591-78-6	2-Hexanone	3.25	33	D
107-05-1	3-Chloropropene	3.25	5.1	U
108-10-1	4-Methyl-2-pentanone	3.25	1.3	U
67-64-1	Acetone	3.25	180	~~D~~
107-13-1	Acrylonitrile	3.25	0.70	U
71-43-2	Benzene	3.25	1.8	~~D~~
100-44-7	Benzyl chloride	3.25	1.7	U
75-27-4	Bromodichloromethane	3.25	2.2	U
75-25-2	Bromoform	3.25	3.4	U
74-83-9	Bromomethane	3.25	1.3	U
75-15-0	Carbon disulfide	3.25	1.0	U
56-23-5	Carbon tetrachloride	3.25	0.51	U
108-90-7	Chlorobenzene	3.25	1.5	U
75-00-3	Chloroethane	3.25	0.86	U
67-66-3	Chloroform	3.25	1.6	U
74-87-3	Chloromethane	3.25	0.74	~~D~~ J
156-59-2	cis-1,2-Dichloroethylene	3.25	0.32	U
10061-01-5	cis-1,3-Dichloropropylene	3.25	1.5	U
110-82-7	Cyclohexane	3.25	1.1	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-100623

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23J0509
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities 225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	23J0509-04	File ID:	TO301017.D
Sampled:	10/06/23 13:31	Prepared:	10/13/23 10:00	Analyzed:	10/14/23 08:53
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BJ30931	Sequence:	S3J1339	Calibration:	SI30001
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	3.25	2.8	U
75-71-8	Dichlorodifluoromethane	3.25	2.1	~~D~~
141-78-6	Ethyl acetate	3.25	2.3	U
100-41-4	Ethyl Benzene	3.25	3.5	~~D~~
87-68-3	Hexachlorobutadiene	3.25	3.5	U J
67-63-0	Isopropanol	3.25	35	~~BD~~
80-62-6	Methyl Methacrylate	3.25	1.3	U
1634-04-4	Methyl tert-butyl ether (MTBE)	3.25	1.2	U
75-09-2	Methylene chloride	3.25	9.2	~~D~~
142-82-5	n-Heptane	3.25	1.3	U
110-54-3	n-Hexane	3.25	2.3	D
95-47-6	o-Xylene	3.25	4.4	D
179601-23-1	p- & m- Xylenes	3.25	13	D
622-96-8	p-Ethyltoluene	3.25	4.5	D
115-07-1	Propylene	3.25	27	D
100-42-5	Styrene	3.25	2.5	D
127-18-4	Tetrachloroethylene	3.25	2.2	D
109-99-9	Tetrahydrofuran	3.25	2.8	D
108-88-3	Toluene	3.25	11	D
156-60-5	trans-1,2-Dichloroethylene	3.25	1.3	U
10061-02-6	trans-1,3-Dichloropropylene	3.25	1.5	U
79-01-6	Trichloroethylene	3.25	0.52	~~D~~
75-69-4	Trichlorofluoromethane (Freon 11)	3.25	1.8	U
108-05-4	Vinyl acetate	3.25	1.1	U
593-60-2	Vinyl bromide	3.25	1.4	U
75-01-4	Vinyl Chloride	3.25	0.41	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	283816	12.027	241339	12.027	
ISTD: 1,4-Difluorobenzene	612938	13.584	533404	13.584	
ISTD: d5-Chlorobenzene	550481	18.807	580259	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23J0509-05 File ID: TO301018.D

Sampled: 10/06/23 13:28 Prepared: 10/13/23 10:00 Analyzed: 10/14/23 09:42

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30931 Sequence: S3J1339 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	3.64	2.5	U
71-55-6	1,1,1-Trichloroethane	3.64	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	3.64	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.64	2.8	U
79-00-5	1,1,2-Trichloroethane	3.64	2.0	U
75-34-3	1,1-Dichloroethane	3.64	1.5	U
75-35-4	1,1-Dichloroethylene	3.64	0.36	U
120-82-1	1,2,4-Trichlorobenzene	3.64	2.7	U
95-63-6	1,2,4-Trimethylbenzene	3.64	5.2	D
106-93-4	1,2-Dibromoethane	3.64	2.8	U
95-50-1	1,2-Dichlorobenzene	3.64	2.2	U
107-06-2	1,2-Dichloroethane	3.64	1.5	U
78-87-5	1,2-Dichloropropane	3.64	1.7	U
76-14-2	1,2-Dichlorotetrafluoroethane	3.64	2.5	U
108-67-8	1,3,5-Trimethylbenzene	3.64	1.8	U
106-99-0	1,3-Butadiene	3.64	2.4	U
541-73-1	1,3-Dichlorobenzene	3.64	2.2	U
142-28-9	1,3-Dichloropropane	3.64	1.7	U
106-46-7	1,4-Dichlorobenzene	3.64	2.2	U
123-91-1	1,4-Dioxane	3.64	2.6	U
78-93-3	2-Butanone	3.64	420	D
591-78-6	2-Hexanone	3.64	31	D
107-05-1	3-Chloropropene	3.64	5.7	U
108-10-1	4-Methyl-2-pentanone	3.64	1.5	U
67-64-1	Acetone	3.64	150	D
107-13-1	Acrylonitrile	3.64	0.79	U
71-43-2	Benzene	3.64	1.2	D
100-44-7	Benzyl chloride	3.64	1.9	U
75-27-4	Bromodichloromethane	3.64	2.4	U
75-25-2	Bromoform	3.64	3.8	U
74-83-9	Bromomethane	3.64	1.4	U
75-15-0	Carbon disulfide	3.64	1.1	U
56-23-5	Carbon tetrachloride	3.64	0.57	U
108-90-7	Chlorobenzene	3.64	1.7	U
75-00-3	Chloroethane	3.64	0.96	U
67-66-3	Chloroform	3.64	1.8	U
74-87-3	Chloromethane	3.64	1.4	D J
156-59-2	cis-1,2-Dichloroethylene	3.64	0.36	U
10061-01-5	cis-1,3-Dichloropropylene	3.64	1.7	U
110-82-7	Cyclohexane	3.64	1.3	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23J0509
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities 225-255 E 2nd St
Matrix: Soil Vapor
Laboratory ID: 23J0509-05
File ID: TO301018.D
Sampled: 10/06/23 13:28
Prepared: 10/13/23 10:00
Analyzed: 10/14/23 09:42
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BJ30931
Sequence: S3J1339
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	3.64	3.1	U
75-71-8	Dichlorodifluoromethane	3.64	2.7	~~D~~
141-78-6	Ethyl acetate	3.64	2.6	U
100-41-4	Ethyl Benzene	3.64	2.7	~~D~~
87-68-3	Hexachlorobutadiene	3.64	3.9	U J
67-63-0	Isopropanol	3.64	5.9	~~BD~~
80-62-6	Methyl Methacrylate	3.64	1.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	3.64	1.3	U
75-09-2	Methylene chloride	3.64	26	~~D~~
142-82-5	n-Heptane	3.64	1.5	U
110-54-3	n-Hexane	3.64	1.3	U
95-47-6	o-Xylene	3.64	3.3	D
179601-23-1	p- & m- Xylenes	3.64	11	D
622-96-8	p-Ethyltoluene	3.64	3.4	D
115-07-1	Propylene	3.64	26	D
100-42-5	Styrene	3.64	2.3	D
127-18-4	Tetrachloroethylene	3.64	17	D
109-99-9	Tetrahydrofuran	3.64	2.1	U
108-88-3	Toluene	3.64	8.8	~~D~~
156-60-5	trans-1,2-Dichloroethylene	3.64	1.4	U
10061-02-6	trans-1,3-Dichloropropylene	3.64	1.7	U
79-01-6	Trichloroethylene	3.64	0.49	U
75-69-4	Trichlorofluoromethane (Freon 11)	3.64	2.0	U
108-05-4	Vinyl acetate	3.64	1.3	U
593-60-2	Vinyl bromide	3.64	1.6	U
75-01-4	Vinyl Chloride	3.64	0.47	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	312732	12.027	241339	12.027	
ISTD: 1,4-Difluorobenzene	679066	13.584	533404	13.584	
ISTD: d5-Chlorobenzene	587415	18.807	580259	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23J0509

Client: ERM Inc (Melville) Project: 0560708.31 Steel Equities 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 23J0509-06 File ID: TO301019.D

Sampled: 10/06/23 13:27 Prepared: 10/13/23 10:00 Analyzed: 10/14/23 10:30

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BJ30931 Sequence: S3J1339 Calibration: SI30001 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	6.94	4.8	U
71-55-6	1,1,1-Trichloroethane	6.94	6.4	D
79-34-5	1,1,2,2-Tetrachloroethane	6.94	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.94	5.3	U
79-00-5	1,1,2-Trichloroethane	6.94	3.8	U
75-34-3	1,1-Dichloroethane	6.94	2.8	U
75-35-4	1,1-Dichloroethylene	6.94	0.69	U
120-82-1	1,2,4-Trichlorobenzene	6.94	5.1	U
95-63-6	1,2,4-Trimethylbenzene	6.94	4.4	D
106-93-4	1,2-Dibromoethane	6.94	5.3	U
95-50-1	1,2-Dichlorobenzene	6.94	4.2	U
107-06-2	1,2-Dichloroethane	6.94	2.8	U
78-87-5	1,2-Dichloropropane	6.94	3.2	U
76-14-2	1,2-Dichlorotetrafluoroethane	6.94	4.8	U
108-67-8	1,3,5-Trimethylbenzene	6.94	3.4	U
106-99-0	1,3-Butadiene	6.94	4.6	U
541-73-1	1,3-Dichlorobenzene	6.94	4.2	U
142-28-9	1,3-Dichloropropane	6.94	3.2	U
106-46-7	1,4-Dichlorobenzene	6.94	4.2	U
123-91-1	1,4-Dioxane	6.94	5.0	U
78-93-3	2-Butanone	6.94	500	D
591-78-6	2-Hexanone	6.94	38	D
107-05-1	3-Chloropropene	6.94	11	U
108-10-1	4-Methyl-2-pentanone	6.94	2.8	U
67-64-1	Acetone	6.94	200	D
107-13-1	Acrylonitrile	6.94	1.5	U
71-43-2	Benzene	6.94	2.2	U
100-44-7	Benzyl chloride	6.94	3.6	U
75-27-4	Bromodichloromethane	6.94	4.6	U
75-25-2	Bromoform	6.94	7.2	U
74-83-9	Bromomethane	6.94	2.7	U
75-15-0	Carbon disulfide	6.94	3.0	D
56-23-5	Carbon tetrachloride	6.94	1.1	U
108-90-7	Chlorobenzene	6.94	3.2	U
75-00-3	Chloroethane	6.94	1.8	U
67-66-3	Chloroform	6.94	3.4	U
74-87-3	Chloromethane	6.94	1.4	U J
156-59-2	cis-1,2-Dichloroethylene	6.94	0.69	U
10061-01-5	cis-1,3-Dichloropropylene	6.94	3.1	U
110-82-7	Cyclohexane	6.94	2.4	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-100623

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23J0509
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities 225-255 E 2nd St
Matrix:	Soil Vapor	Laboratory ID:	23J0509-06	File ID:	TO301019.D
Sampled:	10/06/23 13:27	Prepared:	10/13/23 10:00	Analyzed:	10/14/23 10:30
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BJ30931	Sequence:	S3J1339	Calibration:	SI30001
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	6.94	5.9	U
75-71-8	Dichlorodifluoromethane	6.94	3.4	U
141-78-6	Ethyl acetate	6.94	5.0	U
100-41-4	Ethyl Benzene	6.94	3.3	~~D~~
87-68-3	Hexachlorobutadiene	6.94	7.4	U J
67-63-0	Isopropanol	6.94	9.5	~~BD~~
80-62-6	Methyl Methacrylate	6.94	2.8	U
1634-04-4	Methyl tert-butyl ether (MTBE)	6.94	2.5	U
75-09-2	Methylene chloride	6.94	22	~~D~~
142-82-5	n-Heptane	6.94	2.8	U
110-54-3	n-Hexane	6.94	2.4	U
95-47-6	o-Xylene	6.94	3.9	D
179601-23-1	p- & m- Xylenes	6.94	13	D
622-96-8	p-Ethyltoluene	6.94	3.8	D
115-07-1	Propylene	6.94	32	D
100-42-5	Styrene	6.94	3.0	U
127-18-4	Tetrachloroethylene	6.94	4.7	U
109-99-9	Tetrahydrofuran	6.94	4.1	U
108-88-3	Toluene	6.94	9.7	~~D~~
156-60-5	trans-1,2-Dichloroethylene	6.94	2.8	U
10061-02-6	trans-1,3-Dichloropropylene	6.94	3.1	U
79-01-6	Trichloroethylene	6.94	0.93	U
75-69-4	Trichlorofluoromethane (Freon 11)	6.94	3.9	U
108-05-4	Vinyl acetate	6.94	2.4	U
593-60-2	Vinyl bromide	6.94	3.0	U
75-01-4	Vinyl Chloride	6.94	0.89	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	323765	12.027	241339	12.027	
ISTD: 1,4-Difluorobenzene	709122	13.584	533404	13.584	
ISTD: d5-Chlorobenzene	618418	18.813	580259	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-100623

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23J0509
Client:	ERM Inc (Melville)			Project:	0560708.31 Steel Equities 225-255 E 2nd St
Matrix:	Soil Vapor	Laboratory ID:	23J0509-07	File ID:	TO301025.D
Sampled:	10/06/23 13:29	Prepared:	10/13/23 10:00	Analyzed:	10/14/23 15:28
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BJ30993	Sequence:	S3J1614	Calibration:	SI30001
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	8.48	5.8	U
71-55-6	1,1,1-Trichloroethane	8.48	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	8.48	5.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.48	6.5	U
79-00-5	1,1,2-Trichloroethane	8.48	4.6	U
75-34-3	1,1-Dichloroethane	8.48	3.4	U
75-35-4	1,1-Dichloroethylene	8.48	0.84	U
120-82-1	1,2,4-Trichlorobenzene	8.48	6.3	U
95-63-6	1,2,4-Trimethylbenzene	8.48	6.2	~~D~~
106-93-4	1,2-Dibromoethane	8.48	6.5	U
95-50-1	1,2-Dichlorobenzene	8.48	5.1	U
107-06-2	1,2-Dichloroethane	8.48	3.4	U
78-87-5	1,2-Dichloropropane	8.48	3.9	U
76-14-2	1,2-Dichlorotetrafluoroethane	8.48	5.9	U J
108-67-8	1,3,5-Trimethylbenzene	8.48	4.2	U
106-99-0	1,3-Butadiene	8.48	5.6	U
541-73-1	1,3-Dichlorobenzene	8.48	5.1	U
142-28-9	1,3-Dichloropropane	8.48	3.9	U
106-46-7	1,4-Dichlorobenzene	8.48	5.1	U
123-91-1	1,4-Dioxane	8.48	6.1	U
78-93-3	2-Butanone	8.48	1000	~~D~~
591-78-6	2-Hexanone	8.48	72	~~D~~
107-05-1	3-Chloropropene	8.48	13	U
108-10-1	4-Methyl-2-pentanone	8.48	3.5	U
67-64-1	Acetone	8.48	380	~~D~~
107-13-1	Acrylonitrile	8.48	1.8	U
71-43-2	Benzene	8.48	2.7	U
100-44-7	Benzyl chloride	8.48	4.4	U
75-27-4	Bromodichloromethane	8.48	5.7	U
75-25-2	Bromoform	8.48	8.8	U
74-83-9	Bromomethane	8.48	3.3	U
75-15-0	Carbon disulfide	8.48	2.6	U
56-23-5	Carbon tetrachloride	8.48	1.3	U
108-90-7	Chlorobenzene	8.48	3.9	U
75-00-3	Chloroethane	8.48	2.2	U
67-66-3	Chloroform	8.48	4.1	U
74-87-3	Chloromethane	8.48	1.8	U
156-59-2	cis-1,2-Dichloroethylene	8.48	0.84	U
10061-01-5	cis-1,3-Dichloropropylene	8.48	3.8	U
110-82-7	Cyclohexane	8.48	2.9	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-100623

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23J0509
Client: ERM Inc (Melville)
Project: 0560708.31 Steel Equities 225-255 E 2nd St
Matrix: Soil Vapor
Laboratory ID: 23J0509-07
File ID: TO301025.D
Sampled: 10/06/23 13:29
Prepared: 10/13/23 10:00
Analyzed: 10/14/23 15:28
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BJ30993
Sequence: S3J1614
Calibration: SI30001
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	8.48	7.2	U
75-71-8	Dichlorodifluoromethane	8.48	4.2	U
141-78-6	Ethyl acetate	8.48	6.1	U
100-41-4	Ethyl Benzene	8.48	4.0	D
87-68-3	Hexachlorobutadiene	8.48	9.0	U J
67-63-0	Isopropanol	8.48	11	BD J
80-62-6	Methyl Methacrylate	8.48	3.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	8.48	3.1	U
75-09-2	Methylene chloride	8.48	5.9	U
142-82-5	n-Heptane	8.48	3.5	U
110-54-3	n-Hexane	8.48	3.0	U
95-47-6	o-Xylene	8.48	5.5	D
179601-23-1	p- & m- Xylenes	8.48	15	D
622-96-8	p-Ethyltoluene	8.48	5.0	D
115-07-1	Propylene	8.48	1.5	U
100-42-5	Styrene	8.48	3.6	U
127-18-4	Tetrachloroethylene	8.48	5.7	D
109-99-9	Tetrahydrofuran	8.48	5.0	U
108-88-3	Toluene	8.48	13	D
156-60-5	trans-1,2-Dichloroethylene	8.48	3.4	U
10061-02-6	trans-1,3-Dichloropropylene	8.48	3.8	U
79-01-6	Trichloroethylene	8.48	1.8	D
75-69-4	Trichlorofluoromethane (Freon 11)	8.48	4.8	U
108-05-4	Vinyl acetate	8.48	3.0	U
593-60-2	Vinyl bromide	8.48	3.7	U
75-01-4	Vinyl Chloride	8.48	1.1	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	209810	12.033	275729	12.021	
ISTD: 1,4-Difluorobenzene	437532	13.59	606133	13.578	
ISTD: d5-Chlorobenzene	397854	18.813	642949	18.807	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-01 File ID: TQ227432.D

Sampled: 11/03/23 12:45 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 16:08

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.51	1.04	U
71-55-6	1,1,1-Trichloroethane	1.51	0.826	U
79-34-5	1,1,2,2-Tetrachloroethane	1.51	1.04	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.51	1.16	U
79-00-5	1,1,2-Trichloroethane	1.51	0.826	U
75-34-3	1,1-Dichloroethane	1.51	0.612	U
75-35-4	1,1-Dichloroethylene	1.51	0.300	U
120-82-1	1,2,4-Trichlorobenzene	1.51	2.25	U
95-63-6	1,2,4-Trimethylbenzene	1.51	6.32	D
106-93-4	1,2-Dibromoethane	1.51	1.16	U
95-50-1	1,2-Dichlorobenzene	1.51	0.910	U
107-06-2	1,2-Dichloroethane	1.51	0.612	U
78-87-5	1,2-Dichloropropane	1.51	0.699	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.51	1.06	U
108-67-8	1,3,5-Trimethylbenzene	1.51	1.79	D
106-99-0	1,3-Butadiene	1.51	1.00	U
541-73-1	1,3-Dichlorobenzene	1.51	1.64	D
142-28-9	1,3-Dichloropropane	1.51	0.699	U
106-46-7	1,4-Dichlorobenzene	1.51	0.910	U
123-91-1	1,4-Dioxane	1.51	1.09	U
78-93-3	2-Butanone	1.51	1.78	D
591-78-6	2-Hexanone	1.51	1.24	U
107-05-1	3-Chloropropene	1.51	2.37	U
108-10-1	4-Methyl-2-pentanone	1.51	0.620	U
67-64-1	Acetone	1.51	24.3	D
107-13-1	Acrylonitrile	1.51	0.328	U
71-43-2	Benzene	1.51	2.32	D
100-44-7	Benzyl chloride	1.51	0.783	U
75-27-4	Bromodichloromethane	1.51	1.01	U
75-25-2	Bromoform	1.51	1.56	U J
74-83-9	Bromomethane	1.51	0.588	U
75-15-0	Carbon disulfide	1.51	0.471	U
56-23-5	Carbon tetrachloride	1.51	0.571	D J
108-90-7	Chlorobenzene	1.51	0.697	U
75-00-3	Chloroethane	1.51	0.399	U
67-66-3	Chloroform	1.51	0.739	U
74-87-3	Chloromethane	1.51	1.91	D J
156-59-2	cis-1,2-Dichloroethylene	1.51	0.300	U
10061-01-5	cis-1,3-Dichloropropylene	1.51	0.687	U
110-82-7	Cyclohexane	1.51	1.61	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23K0342
Client: ERM Inc (Melville)
Project: 0560708.33 Steel Equities 225-255 E 2nd St.
Matrix: Vapor Extraction
Laboratory ID: 23K0342-01
File ID: TQ227432.D
Sampled: 11/03/23 12:45
Prepared: 11/09/23 11:00
Analyzed: 11/09/23 16:08
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BK30709
Sequence: S3K1030
Calibration: SJ30026
Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.51	1.29	U
75-71-8	Dichlorodifluoromethane	1.51	2.77	D
141-78-6	Ethyl acetate	1.51	1.09	U
100-41-4	Ethyl Benzene	1.51	1.71	D
87-68-3	Hexachlorobutadiene	1.51	1.61	U J
67-63-0	Isopropanol	1.51	29.4	BD
80-62-6	Methyl Methacrylate	1.51	0.619	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.51	0.545	U
75-09-2	Methylene chloride	1.51	1.94	D
142-82-5	n-Heptane	1.51	0.620	U
110-54-3	n-Hexane	1.51	2.13	D
95-47-6	o-Xylene	1.51	3.74	D
179601-23-1	p- & m- Xylenes	1.51	8.34	D
622-96-8	p-Ethyltoluene	1.51	4.98	D
115-07-1	Propylene	1.51	0.260	U
100-42-5	Styrene	1.51	2.19	D J
127-18-4	Tetrachloroethylene	1.51	1.03	U
109-99-9	Tetrahydrofuran	1.51	0.892	U
108-88-3	Toluene	1.51	4.62	D
156-60-5	trans-1,2-Dichloroethylene	1.51	0.600	U
10061-02-6	trans-1,3-Dichloropropylene	1.51	0.687	U
79-01-6	Trichloroethylene	1.51	0.203	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.51	1.36	D
108-05-4	Vinyl acetate	1.51	0.533	U
593-60-2	Vinyl bromide	1.51	0.662	U
75-01-4	Vinyl Chloride	1.51	0.193	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	630711	12.011	627589	12.011	
ISTD: 1,4-Difluorobenzene	1922314	13.572	1810723	13.572	
ISTD: d5-Chlorobenzene	1718852	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-02 File ID: TQ227434.D

Sampled: 11/03/23 12:46 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 18:14

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.82	1.25	U
71-55-6	1,1,1-Trichloroethane	1.82	33.5	D
79-34-5	1,1,2,2-Tetrachloroethane	1.82	1.25	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.82	1.39	U
79-00-5	1,1,2-Trichloroethane	1.82	0.992	U
75-34-3	1,1-Dichloroethane	1.82	2.65	D
75-35-4	1,1-Dichloroethylene	1.82	0.360	U
120-82-1	1,2,4-Trichlorobenzene	1.82	2.70	U
95-63-6	1,2,4-Trimethylbenzene	1.82	2.59	D
106-93-4	1,2-Dibromoethane	1.82	1.40	U
95-50-1	1,2-Dichlorobenzene	1.82	1.09	U
107-06-2	1,2-Dichloroethane	1.82	0.736	U
78-87-5	1,2-Dichloropropane	1.82	0.840	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.82	1.27	U
108-67-8	1,3,5-Trimethylbenzene	1.82	0.894	U
106-99-0	1,3-Butadiene	1.82	1.21	U
541-73-1	1,3-Dichlorobenzene	1.82	1.09	U
142-28-9	1,3-Dichloropropane	1.82	0.840	U
106-46-7	1,4-Dichlorobenzene	1.82	1.09	U
123-91-1	1,4-Dioxane	1.82	1.31	U
78-93-3	2-Butanone	1.82	161	D
591-78-6	2-Hexanone	1.82	20.2	D
107-05-1	3-Chloropropene	1.82	2.85	U
108-10-1	4-Methyl-2-pentanone	1.82	0.745	U
67-64-1	Acetone	1.82	72.0	D
107-13-1	Acrylonitrile	1.82	6.47	D
71-43-2	Benzene	1.82	2.61	D
100-44-7	Benzyl chloride	1.82	0.941	U
75-27-4	Bromodichloromethane	1.82	1.22	U
75-25-2	Bromoform	1.82	1.88	U J
74-83-9	Bromomethane	1.82	0.706	U
75-15-0	Carbon disulfide	1.82	0.566	U
56-23-5	Carbon tetrachloride	1.82	0.457	D J
108-90-7	Chlorobenzene	1.82	0.837	U
75-00-3	Chloroethane	1.82	0.480	U
67-66-3	Chloroform	1.82	0.976	D
74-87-3	Chloromethane	1.82	1.50	D J
156-59-2	cis-1,2-Dichloroethylene	1.82	0.360	U
10061-01-5	cis-1,3-Dichloropropylene	1.82	0.825	U
110-82-7	Cyclohexane	1.82	0.626	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23K0342
Client: ERM Inc (Melville)
Project: 0560708.33 Steel Equities 225-255 E 2nd St.
Matrix: Vapor Extraction
Laboratory ID: 23K0342-02
File ID: TQ227434.D
Sampled: 11/03/23 12:46
Prepared: 11/09/23 11:00
Analyzed: 11/09/23 18:14
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BK30709
Sequence: S3K1030
Calibration: SJ30026
Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.82	1.55	U
75-71-8	Dichlorodifluoromethane	1.82	2.97	~~D~~
141-78-6	Ethyl acetate	1.82	1.31	U
100-41-4	Ethyl Benzene	1.82	3.00	~~D~~
87-68-3	Hexachlorobutadiene	1.82	1.94	U J
67-63-0	Isopropanol	1.82	3.35	~~BD~~
80-62-6	Methyl Methacrylate	1.82	0.744	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.82	0.655	U
75-09-2	Methylene chloride	1.82	1.26	U
142-82-5	n-Heptane	1.82	0.745	U
110-54-3	n-Hexane	1.82	1.79	D
95-47-6	o-Xylene	1.82	3.39	D
179601-23-1	p- & m- Xylenes	1.82	9.63	D
622-96-8	p-Ethyltoluene	1.82	2.86	D
115-07-1	Propylene	1.82	14.8	D
100-42-5	Styrene	1.82	23.3	D J
127-18-4	Tetrachloroethylene	1.82	38.5	D
109-99-9	Tetrahydrofuran	1.82	1.07	U
108-88-3	Toluene	1.82	10.7	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.82	0.721	U
10061-02-6	trans-1,3-Dichloropropylene	1.82	0.825	U
79-01-6	Trichloroethylene	1.82	6.55	~~BD~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.82	1.53	~~D~~
108-05-4	Vinyl acetate	1.82	0.640	U
593-60-2	Vinyl bromide	1.82	0.795	U
75-01-4	Vinyl Chloride	1.82	0.232	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	621759	12.011	627589	12.011	
ISTD: 1,4-Difluorobenzene	1811112	13.572	1810723	13.572	
ISTD: d5-Chlorobenzene	1567682	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-03 File ID: TQ227435.D

Sampled: 11/03/23 13:00 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 19:13

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	3.72	2.56	U
71-55-6	1,1,1-Trichloroethane	3.72	23.2	D
79-34-5	1,1,2,2-Tetrachloroethane	3.72	2.56	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.72	2.85	U
79-00-5	1,1,2-Trichloroethane	3.72	2.03	U
75-34-3	1,1-Dichloroethane	3.72	3.77	D
75-35-4	1,1-Dichloroethylene	3.72	0.738	U
120-82-1	1,2,4-Trichlorobenzene	3.72	5.52	U
95-63-6	1,2,4-Trimethylbenzene	3.72	2.56	D
106-93-4	1,2-Dibromoethane	3.72	2.86	U
95-50-1	1,2-Dichlorobenzene	3.72	2.24	U
107-06-2	1,2-Dichloroethane	3.72	1.51	U
78-87-5	1,2-Dichloropropane	3.72	1.72	U
76-14-2	1,2-Dichlorotetrafluoroethane	3.72	2.60	U
108-67-8	1,3,5-Trimethylbenzene	3.72	1.83	U
106-99-0	1,3-Butadiene	3.72	2.47	U
541-73-1	1,3-Dichlorobenzene	3.72	2.24	U
142-28-9	1,3-Dichloropropane	3.72	1.72	U
106-46-7	1,4-Dichlorobenzene	3.72	2.24	U
123-91-1	1,4-Dioxane	3.72	2.68	U
78-93-3	2-Butanone	3.72	285	D
591-78-6	2-Hexanone	3.72	34.3	D
107-05-1	3-Chloropropene	3.72	5.83	U
108-10-1	4-Methyl-2-pentanone	3.72	1.52	U
67-64-1	Acetone	3.72	115	D
107-13-1	Acrylonitrile	3.72	0.808	U
71-43-2	Benzene	3.72	2.73	D
100-44-7	Benzyl chloride	3.72	1.93	U
75-27-4	Bromodichloromethane	3.72	2.49	U
75-25-2	Bromoform	3.72	3.85	U J
74-83-9	Bromomethane	3.72	1.45	U
75-15-0	Carbon disulfide	3.72	1.16	U
56-23-5	Carbon tetrachloride	3.72	0.585	U
108-90-7	Chlorobenzene	3.72	1.71	U
75-00-3	Chloroethane	3.72	0.982	U
67-66-3	Chloroform	3.72	1.82	U
74-87-3	Chloromethane	3.72	0.769	U
156-59-2	cis-1,2-Dichloroethylene	3.72	0.738	U
10061-01-5	cis-1,3-Dichloropropylene	3.72	1.69	U
110-82-7	Cyclohexane	3.72	1.28	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-110323

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23K0342
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23K0342-03	File ID:	TQ227435.D
Sampled:	11/03/23 13:00	Prepared:	11/09/23 11:00	Analyzed:	11/09/23 19:13
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BK30709	Sequence:	S3K1030	Calibration:	SJ30026
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	3.72	3.17	U
75-71-8	Dichlorodifluoromethane	3.72	2.76	~~D~~
141-78-6	Ethyl acetate	3.72	2.68	U
100-41-4	Ethyl Benzene	3.72	2.26	~~D~~
87-68-3	Hexachlorobutadiene	3.72	3.97	U J
67-63-0	Isopropanol	3.72	4.67	~~BD~~
80-62-6	Methyl Methacrylate	3.72	1.52	U
1634-04-4	Methyl tert-butyl ether (MTBE)	3.72	1.34	U
75-09-2	Methylene chloride	3.72	3.62	~~D~~
142-82-5	n-Heptane	3.72	1.53	U
110-54-3	n-Hexane	3.72	3.02	D
95-47-6	o-Xylene	3.72	2.75	D
179601-23-1	p- & m- Xylenes	3.72	7.60	D
622-96-8	p-Ethyltoluene	3.72	2.38	D
115-07-1	Propylene	3.72	25.7	D
100-42-5	Styrene	3.72	13.3	D J
127-18-4	Tetrachloroethylene	3.72	32.6	D
109-99-9	Tetrahydrofuran	3.72	2.20	U
108-88-3	Toluene	3.72	8.42	~~D~~
156-60-5	trans-1,2-Dichloroethylene	3.72	1.48	U
10061-02-6	trans-1,3-Dichloropropylene	3.72	1.69	U
79-01-6	Trichloroethylene	3.72	0.500	U
75-69-4	Trichlorofluoromethane (Freon 11)	3.72	2.09	U
108-05-4	Vinyl acetate	3.72	1.31	U
593-60-2	Vinyl bromide	3.72	1.63	U
75-01-4	Vinyl Chloride	3.72	0.476	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	652015	12.023	627589	12.011	
ISTD: 1,4-Difluorobenzene	1978294	13.578	1810723	13.572	
ISTD: d5-Chlorobenzene	1707941	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-04 File ID: TQ227436.D

Sampled: 11/03/23 13:01 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 20:13

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	3.71	2.55	U
71-55-6	1,1,1-Trichloroethane	3.71	36.7	D
79-34-5	1,1,2,2-Tetrachloroethane	3.71	2.55	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.71	2.84	U
79-00-5	1,1,2-Trichloroethane	3.71	2.03	U
75-34-3	1,1-Dichloroethane	3.71	4.21	D
75-35-4	1,1-Dichloroethylene	3.71	0.736	U
120-82-1	1,2,4-Trichlorobenzene	3.71	5.51	U
95-63-6	1,2,4-Trimethylbenzene	3.71	2.37	D
106-93-4	1,2-Dibromoethane	3.71	2.85	U
95-50-1	1,2-Dichlorobenzene	3.71	2.23	U
107-06-2	1,2-Dichloroethane	3.71	1.50	U
78-87-5	1,2-Dichloropropane	3.71	1.72	U
76-14-2	1,2-Dichlorotetrafluoroethane	3.71	2.59	U
108-67-8	1,3,5-Trimethylbenzene	3.71	1.82	U
106-99-0	1,3-Butadiene	3.71	2.46	U
541-73-1	1,3-Dichlorobenzene	3.71	2.23	U
142-28-9	1,3-Dichloropropane	3.71	1.72	U
106-46-7	1,4-Dichlorobenzene	3.71	2.23	U
123-91-1	1,4-Dioxane	3.71	2.68	U
78-93-3	2-Butanone	3.71	292	D
591-78-6	2-Hexanone	3.71	33.1	D
107-05-1	3-Chloropropene	3.71	5.81	U
108-10-1	4-Methyl-2-pentanone	3.71	1.52	U
67-64-1	Acetone	3.71	122	D
107-13-1	Acrylonitrile	3.71	0.806	U
71-43-2	Benzene	3.71	2.96	D
100-44-7	Benzyl chloride	3.71	1.92	U
75-27-4	Bromodichloromethane	3.71	2.49	U
75-25-2	Bromoform	3.71	3.84	U J
74-83-9	Bromomethane	3.71	1.44	U
75-15-0	Carbon disulfide	3.71	1.16	U
56-23-5	Carbon tetrachloride	3.71	0.584	U
108-90-7	Chlorobenzene	3.71	1.71	U
75-00-3	Chloroethane	3.71	0.979	U
67-66-3	Chloroform	3.71	1.81	U
74-87-3	Chloromethane	3.71	0.767	D J
156-59-2	cis-1,2-Dichloroethylene	3.71	0.736	U
10061-01-5	cis-1,3-Dichloropropylene	3.71	1.68	U
110-82-7	Cyclohexane	3.71	1.28	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-110323

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23K0342
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23K0342-04	File ID:	TQ227436.D
Sampled:	11/03/23 13:01	Prepared:	11/09/23 11:00	Analyzed:	11/09/23 20:13
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BK30709	Sequence:	S3K1030	Calibration:	SJ30026
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	3.71	3.16	U
75-71-8	Dichlorodifluoromethane	3.71	2.75	D
141-78-6	Ethyl acetate	3.71	2.68	U
100-41-4	Ethyl Benzene	3.71	2.90	D
87-68-3	Hexachlorobutadiene	3.71	3.96	U J
67-63-0	Isopropanol	3.71	5.57	BD
80-62-6	Methyl Methacrylate	3.71	1.52	U
1634-04-4	Methyl tert-butyl ether (MTBE)	3.71	1.34	U
75-09-2	Methylene chloride	3.71	2.58	U
142-82-5	n-Heptane	3.71	1.52	U
110-54-3	n-Hexane	3.71	2.62	D
95-47-6	o-Xylene	3.71	3.22	D
179601-23-1	p- & m- Xylenes	3.71	8.86	D
622-96-8	p-Ethyltoluene	3.71	2.74	D
115-07-1	Propylene	3.71	24.3	D
100-42-5	Styrene	3.71	17.7	D J
127-18-4	Tetrachloroethylene	3.71	17.9	D
109-99-9	Tetrahydrofuran	3.71	2.19	U
108-88-3	Toluene	3.71	9.79	D
156-60-5	trans-1,2-Dichloroethylene	3.71	1.47	U
10061-02-6	trans-1,3-Dichloropropylene	3.71	1.68	U
79-01-6	Trichloroethylene	3.71	6.98	BD
75-69-4	Trichlorofluoromethane (Freon 11)	3.71	2.09	U
108-05-4	Vinyl acetate	3.71	1.31	U
593-60-2	Vinyl bromide	3.71	1.62	U
75-01-4	Vinyl Chloride	3.71	0.474	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	639265	12.023	627589	12.011	
ISTD: 1,4-Difluorobenzene	1964501	13.578	1810723	13.572	
ISTD: d5-Chlorobenzene	1745590	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-05 File ID: TQ227437.D

Sampled: 11/03/23 12:01 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 21:16

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.41	0.967	U
71-55-6	1,1,1-Trichloroethane	1.41	21.4	D
79-34-5	1,1,2,2-Tetrachloroethane	1.41	0.967	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.41	1.08	U
79-00-5	1,1,2-Trichloroethane	1.41	0.768	U
75-34-3	1,1-Dichloroethane	1.41	2.79	D
75-35-4	1,1-Dichloroethylene	1.41	0.279	U
120-82-1	1,2,4-Trichlorobenzene	1.41	2.09	U
95-63-6	1,2,4-Trimethylbenzene	1.41	4.29	D
106-93-4	1,2-Dibromoethane	1.41	1.08	U
95-50-1	1,2-Dichlorobenzene	1.41	0.847	U
107-06-2	1,2-Dichloroethane	1.41	0.570	U
78-87-5	1,2-Dichloropropane	1.41	0.651	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.41	0.984	U
108-67-8	1,3,5-Trimethylbenzene	1.41	1.45	D
106-99-0	1,3-Butadiene	1.41	0.934	U
541-73-1	1,3-Dichlorobenzene	1.41	0.847	U
142-28-9	1,3-Dichloropropane	1.41	0.651	U
106-46-7	1,4-Dichlorobenzene	1.41	0.847	U
123-91-1	1,4-Dioxane	1.41	1.01	U
78-93-3	2-Butanone	1.41	29.6	D
591-78-6	2-Hexanone	1.41	7.61	D
107-05-1	3-Chloropropene	1.41	2.20	U
108-10-1	4-Methyl-2-pentanone	1.41	0.577	U
67-64-1	Acetone	1.41	12.9	D
107-13-1	Acrylonitrile	1.41	2.81	D
71-43-2	Benzene	1.41	0.675	D
100-44-7	Benzyl chloride	1.41	0.729	U
75-27-4	Bromodichloromethane	1.41	0.943	U
75-25-2	Bromoform	1.41	1.46	U J
74-83-9	Bromomethane	1.41	0.547	U
75-15-0	Carbon disulfide	1.41	0.438	U
56-23-5	Carbon tetrachloride	1.41	0.443	D J
108-90-7	Chlorobenzene	1.41	0.648	U
75-00-3	Chloroethane	1.41	0.371	U
67-66-3	Chloroform	1.41	0.687	U
74-87-3	Chloromethane	1.41	0.698	D J
156-59-2	cis-1,2-Dichloroethylene	1.41	0.279	U
10061-01-5	cis-1,3-Dichloropropylene	1.41	0.639	U
110-82-7	Cyclohexane	1.41	0.485	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-INF-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford | SDG: 23K0342

Client: ERM Inc (Melville) | Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction | Laboratory ID: 23K0342-05 | File ID: TQ227437.D

Sampled: 11/03/23 12:01 | Prepared: 11/09/23 11:00 | Analyzed: 11/09/23 21:16

Solids: | Preparation: EPA TO15 PREP | Initial/Final: 400 mL / 400 mL

Batch: BK30709 | Sequence: S3K1030 | Calibration: SJ30026 | Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.41	1.20	U
75-71-8	Dichlorodifluoromethane	1.41	2.79	~~D~~
141-78-6	Ethyl acetate	1.41	1.01	U
100-41-4	Ethyl Benzene	1.41	4.22	~~D~~
87-68-3	Hexachlorobutadiene	1.41	1.50	U J
67-63-0	Isopropanol	1.41	1.97	~~BD~~
80-62-6	Methyl Methacrylate	1.41	0.576	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.41	0.508	U
75-09-2	Methylene chloride	1.41	2.49	~~D~~
142-82-5	n-Heptane	1.41	0.577	U
110-54-3	n-Hexane	1.41	0.844	D
95-47-6	o-Xylene	1.41	5.87	D
179601-23-1	p- & m- Xylenes	1.41	12.7	D
622-96-8	p-Ethyltoluene	1.41	4.57	D
115-07-1	Propylene	1.41	0.242	U
100-42-5	Styrene	1.41	2.16	D J
127-18-4	Tetrachloroethylene	1.41	52.6	D
109-99-9	Tetrahydrofuran	1.41	0.831	U
108-88-3	Toluene	1.41	4.72	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.41	0.558	U
10061-02-6	trans-1,3-Dichloropropylene	1.41	0.639	U
79-01-6	Trichloroethylene	1.41	8.17	~~BD~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.41	1.42	~~D~~
108-05-4	Vinyl acetate	1.41	0.496	U
593-60-2	Vinyl bromide	1.41	0.616	U
75-01-4	Vinyl Chloride	1.41	0.180	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	636395	12.011	627589	12.011	
ISTD: 1,4-Difluorobenzene	2026371	13.572	1810723	13.572	
ISTD: d5-Chlorobenzene	1745820	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-Carbon-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-06 File ID: TQ227438.D

Sampled: 11/03/23 12:29 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 22:19

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.71	1.18	U
71-55-6	1,1,1-Trichloroethane	1.71	46.3	D
79-34-5	1,1,2,2-Tetrachloroethane	1.71	1.18	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.71	1.31	U
79-00-5	1,1,2-Trichloroethane	1.71	0.934	U
75-34-3	1,1-Dichloroethane	1.71	4.92	D
75-35-4	1,1-Dichloroethylene	1.71	0.339	U
120-82-1	1,2,4-Trichlorobenzene	1.71	2.54	U
95-63-6	1,2,4-Trimethylbenzene	1.71	5.30	D
106-93-4	1,2-Dibromoethane	1.71	1.32	U
95-50-1	1,2-Dichlorobenzene	1.71	1.03	U
107-06-2	1,2-Dichloroethane	1.71	0.693	U
78-87-5	1,2-Dichloropropane	1.71	0.791	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.71	1.20	U
108-67-8	1,3,5-Trimethylbenzene	1.71	1.77	D
106-99-0	1,3-Butadiene	1.71	1.14	U
541-73-1	1,3-Dichlorobenzene	1.71	1.03	U
142-28-9	1,3-Dichloropropane	1.71	0.791	U
106-46-7	1,4-Dichlorobenzene	1.71	1.03	U
123-91-1	1,4-Dioxane	1.71	1.23	U
78-93-3	2-Butanone	1.71	36.4	D
591-78-6	2-Hexanone	1.71	9.61	D
107-05-1	3-Chloropropene	1.71	2.68	U
108-10-1	4-Methyl-2-pentanone	1.71	0.701	U
67-64-1	Acetone	1.71	22.0	D
107-13-1	Acrylonitrile	1.71	0.372	U
71-43-2	Benzene	1.71	0.711	D
100-44-7	Benzyl chloride	1.71	0.886	U
75-27-4	Bromodichloromethane	1.71	1.15	U
75-25-2	Bromoform	1.71	1.77	U J
74-83-9	Bromomethane	1.71	0.665	U
75-15-0	Carbon disulfide	1.71	0.533	U
56-23-5	Carbon tetrachloride	1.71	0.269	U
108-90-7	Chlorobenzene	1.71	0.788	U
75-00-3	Chloroethane	1.71	0.452	U
67-66-3	Chloroform	1.71	0.836	D
74-87-3	Chloromethane	1.71	0.813	D J
156-59-2	cis-1,2-Dichloroethylene	1.71	0.339	D
10061-01-5	cis-1,3-Dichloropropylene	1.71	0.777	U
110-82-7	Cyclohexane	1.71	1.94	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-Carbon-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-06 File ID: TQ227438.D

Sampled: 11/03/23 12:29 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 22:19

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.71	1.46	U
75-71-8	Dichlorodifluoromethane	1.71	3.05	~~D~~
141-78-6	Ethyl acetate	1.71	1.23	U
100-41-4	Ethyl Benzene	1.71	5.95	~~D~~
87-68-3	Hexachlorobutadiene	1.71	1.83	U J
67-63-0	Isopropanol	1.71	10.7	~~BD~~
80-62-6	Methyl Methacrylate	1.71	0.701	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.71	0.617	U
75-09-2	Methylene chloride	1.71	6.48	D
142-82-5	n-Heptane	1.71	1.68	D
110-54-3	n-Hexane	1.71	1.09	D
95-47-6	o-Xylene	1.71	8.03	D
179601-23-1	p- & m- Xylenes	1.71	17.3	D
622-96-8	p-Ethyltoluene	1.71	5.64	D
115-07-1	Propylene	1.71	0.295	U
100-42-5	Styrene	1.71	2.63	~~D~~ J
127-18-4	Tetrachloroethylene	1.71	1.16	U
109-99-9	Tetrahydrofuran	1.71	1.01	U
108-88-3	Toluene	1.71	6.84	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.71	0.679	U
10061-02-6	trans-1,3-Dichloropropylene	1.71	0.777	U
79-01-6	Trichloroethylene	1.71	25.8	~~BD~~
75-69-4	Trichlorofluoromethane (Freon 11)	1.71	1.35	~~D~~
108-05-4	Vinyl acetate	1.71	0.603	U
593-60-2	Vinyl bromide	1.71	0.749	U
75-01-4	Vinyl Chloride	1.71	0.219	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	635630	12.017	627589	12.011	
ISTD: 1,4-Difluorobenzene	2032847	13.572	1810723	13.572	
ISTD: d5-Chlorobenzene	1769591	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-07 File ID: TQ227439.D

Sampled: 11/03/23 12:33 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 23:22

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.63	1.12	U
71-55-6	1,1,1-Trichloroethane	1.63	59.8	D
79-34-5	1,1,2,2-Tetrachloroethane	1.63	1.12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.63	1.25	U
79-00-5	1,1,2-Trichloroethane	1.63	0.890	U
75-34-3	1,1-Dichloroethane	1.63	6.47	D
75-35-4	1,1-Dichloroethylene	1.63	0.324	D
120-82-1	1,2,4-Trichlorobenzene	1.63	2.42	U
95-63-6	1,2,4-Trimethylbenzene	1.63	4.41	D
106-93-4	1,2-Dibromoethane	1.63	1.25	U
95-50-1	1,2-Dichlorobenzene	1.63	0.981	U
107-06-2	1,2-Dichloroethane	1.63	0.660	U
78-87-5	1,2-Dichloropropane	1.63	0.754	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.63	1.14	U
108-67-8	1,3,5-Trimethylbenzene	1.63	1.36	D
106-99-0	1,3-Butadiene	1.63	1.08	U
541-73-1	1,3-Dichlorobenzene	1.63	0.981	U
142-28-9	1,3-Dichloropropane	1.63	0.754	U
106-46-7	1,4-Dichlorobenzene	1.63	0.981	U
123-91-1	1,4-Dioxane	1.63	1.18	U
78-93-3	2-Butanone	1.63	17.5	D
591-78-6	2-Hexanone	1.63	5.08	D
107-05-1	3-Chloropropene	1.63	2.55	U
108-10-1	4-Methyl-2-pentanone	1.63	0.669	U
67-64-1	Acetone	1.63	11.2	D
107-13-1	Acrylonitrile	1.63	0.354	U
71-43-2	Benzene	1.63	0.521	U
100-44-7	Benzyl chloride	1.63	0.845	U
75-27-4	Bromodichloromethane	1.63	1.09	U
75-25-2	Bromoform	1.63	1.69	U J
74-83-9	Bromomethane	1.63	0.634	U
75-15-0	Carbon disulfide	1.63	0.508	U
56-23-5	Carbon tetrachloride	1.63	0.257	U
108-90-7	Chlorobenzene	1.63	0.751	U
75-00-3	Chloroethane	1.63	0.431	U
67-66-3	Chloroform	1.63	0.797	U
74-87-3	Chloromethane	1.63	0.337	U
156-59-2	cis-1,2-Dichloroethylene	1.63	0.582	D
10061-01-5	cis-1,3-Dichloropropylene	1.63	0.741	U
110-82-7	Cyclohexane	1.63	0.674	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-EFF-110323

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23K0342

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23K0342-07 File ID: TQ227439.D

Sampled: 11/03/23 12:33 Prepared: 11/09/23 11:00 Analyzed: 11/09/23 23:22

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BK30709 Sequence: S3K1030 Calibration: SJ30026 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.63	1.39	U
75-71-8	Dichlorodifluoromethane	1.63	3.07	~~D~~
141-78-6	Ethyl acetate	1.63	1.18	U
100-41-4	Ethyl Benzene	1.63	3.05	~~D~~
87-68-3	Hexachlorobutadiene	1.63	1.74	U J
67-63-0	Isopropanol	1.63	6.30	~~BD~~
80-62-6	Methyl Methacrylate	1.63	0.668	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.63	0.588	U
75-09-2	Methylene chloride	1.63	3.68	~~D~~
142-82-5	n-Heptane	1.63	0.669	U
110-54-3	n-Hexane	1.63	0.575	U
95-47-6	o-Xylene	1.63	4.39	D
179601-23-1	p- & m- Xylenes	1.63	9.50	D
622-96-8	p-Ethyltoluene	1.63	3.93	D
115-07-1	Propylene	1.63	0.281	U
100-42-5	Styrene	1.63	1.39	~~D~~ J
127-18-4	Tetrachloroethylene	1.63	1.11	U
109-99-9	Tetrahydrofuran	1.63	2.60	D
108-88-3	Toluene	1.63	2.95	D
156-60-5	trans-1,2-Dichloroethylene	1.63	0.647	U
10061-02-6	trans-1,3-Dichloropropylene	1.63	0.741	U
79-01-6	Trichloroethylene	1.63	0.219	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.63	1.28	~~D~~
108-05-4	Vinyl acetate	1.63	0.575	U
593-60-2	Vinyl bromide	1.63	0.714	U
75-01-4	Vinyl Chloride	1.63	0.209	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	643253	12.023	627589	12.011	
ISTD: 1,4-Difluorobenzene	2062322	13.578	1810723	13.572	
ISTD: d5-Chlorobenzene	1797509	18.808	1637179	18.808	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-01 File ID: TQ227835.D

Sampled: 12/01/23 14:10 Prepared: 12/11/23 11:00 Analyzed: 12/11/23 22:38

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30773 Sequence: S3L1224 Calibration: SL30036 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.79	1.23	U
71-55-6	1,1,1-Trichloroethane	1.79	5.19	~~U~~
79-34-5	1,1,2,2-Tetrachloroethane	1.79	1.23	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.79	1.37	U
79-00-5	1,1,2-Trichloroethane	1.79	0.978	U
75-34-3	1,1-Dichloroethane	1.79	0.726	U
75-35-4	1,1-Dichloroethylene	1.79	0.355	U
120-82-1	1,2,4-Trichlorobenzene	1.79	1.33	U J
95-63-6	1,2,4-Trimethylbenzene	1.79	1.67	~~U~~
106-93-4	1,2-Dibromoethane	1.79	1.38	U
95-50-1	1,2-Dichlorobenzene	1.79	1.08	U
107-06-2	1,2-Dichloroethane	1.79	0.726	U
78-87-5	1,2-Dichloropropane	1.79	0.829	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.79	1.25	U
108-67-8	1,3,5-Trimethylbenzene	1.79	0.881	U
106-99-0	1,3-Butadiene	1.79	1.19	U
541-73-1	1,3-Dichlorobenzene	1.79	1.08	U
142-28-9	1,3-Dichloropropane	1.79	0.829	U
106-46-7	1,4-Dichlorobenzene	1.79	1.08	U
123-91-1	1,4-Dioxane	1.79	1.29	U
78-93-3	2-Butanone	1.79	14.2	~~U~~
591-78-6	2-Hexanone	1.79	7.27	~~U~~
107-05-1	3-Chloropropene	1.79	2.81	U
108-10-1	4-Methyl-2-pentanone	1.79	0.735	U
67-64-1	Acetone	1.79	16.0	~~U~~
107-13-1	Acrylonitrile	1.79	1.17	U
71-43-2	Benzene	1.79	1.66	~~U~~
100-44-7	Benzyl chloride	1.79	0.928	U
75-27-4	Bromodichloromethane	1.79	1.20	U
75-25-2	Bromoform	1.79	1.85	U
74-83-9	Bromomethane	1.79	0.696	U
75-15-0	Carbon disulfide	1.79	0.558	U
56-23-5	Carbon tetrachloride	1.79	0.451	~~U~~
108-90-7	Chlorobenzene	1.79	0.825	U
75-00-3	Chloroethane	1.79	0.473	U
67-66-3	Chloroform	1.79	0.875	U
74-87-3	Chloromethane	1.79	0.852	~~U~~
156-59-2	cis-1,2-Dichloroethylene	1.79	0.355	U
10061-01-5	cis-1,3-Dichloropropylene	1.79	0.814	U
110-82-7	Cyclohexane	1.79	0.617	~~U~~

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23L0129
Client: ERM Inc (Melville)
Project: 0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix: Vapor Extraction
Laboratory ID: 23L0129-01
File ID: TQ227835.D
Sampled: 12/01/23 14:10
Prepared: 12/11/23 11:00
Analyzed: 12/11/23 22:38
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BL30773
Sequence: S3L1224
Calibration: SL30036
Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.79	1.53	U
75-71-8	Dichlorodifluoromethane	1.79	1.68	D
141-78-6	Ethyl acetate	1.79	1.29	U
100-41-4	Ethyl Benzene	1.79	0.779	D
87-68-3	Hexachlorobutadiene	1.79	1.91	U J
67-63-0	Isopropanol	1.79	8.73	D
80-62-6	Methyl Methacrylate	1.79	0.734	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.79	0.646	U
75-09-2	Methylene chloride	1.79	1.74	D
142-82-5	n-Heptane	1.79	1.18	D
110-54-3	n-Hexane	1.79	1.52	D
95-47-6	o-Xylene	1.79	1.09	D
179601-23-1	p- & m- Xylenes	1.79	2.18	D
622-96-8	p-Ethyltoluene	1.79	1.06	D
115-07-1	Propylene	1.79	7.81	D
100-42-5	Styrene	1.79	0.764	U
127-18-4	Tetrachloroethylene	1.79	7.05	D
109-99-9	Tetrahydrofuran	1.79	1.06	U
108-88-3	Toluene	1.79	3.18	D
156-60-5	trans-1,2-Dichloroethylene	1.79	0.711	U
10061-02-6	trans-1,3-Dichloropropylene	1.79	0.814	U
79-01-6	Trichloroethylene	1.79	0.289	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.79	1.01	D
108-05-4	Vinyl acetate	1.79	0.631	U
593-60-2	Vinyl bromide	1.79	0.784	U
75-01-4	Vinyl Chloride	1.79	0.229	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	451315	12.59	423425	12.578	
ISTD: 1,4-Difluorobenzene	1811406	14.358	1623100	14.346	
ISTD: d5-Chlorobenzene	1775704	20.351	1704023	20.345	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-02 File ID: TQ227836.D

Sampled: 12/01/23 14:11 Prepared: 12/11/23 11:00 Analyzed: 12/11/23 23:41

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30773 Sequence: S3L1224 Calibration: SL30036 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.48	1.02	U
71-55-6	1,1,1-Trichloroethane	1.48	4.12	~~D~~
79-34-5	1,1,2,2-Tetrachloroethane	1.48	1.02	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.48	1.14	U
79-00-5	1,1,2-Trichloroethane	1.48	0.809	U
75-34-3	1,1-Dichloroethane	1.48	0.600	U
75-35-4	1,1-Dichloroethylene	1.48	0.294	U
120-82-1	1,2,4-Trichlorobenzene	1.48	1.10	U J
95-63-6	1,2,4-Trimethylbenzene	1.48	1.46	~~D~~
106-93-4	1,2-Dibromoethane	1.48	1.14	U
95-50-1	1,2-Dichlorobenzene	1.48	0.891	U
107-06-2	1,2-Dichloroethane	1.48	0.600	U
78-87-5	1,2-Dichloropropane	1.48	0.685	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.48	1.04	U
108-67-8	1,3,5-Trimethylbenzene	1.48	0.729	U
106-99-0	1,3-Butadiene	1.48	0.984	U
541-73-1	1,3-Dichlorobenzene	1.48	0.891	U
142-28-9	1,3-Dichloropropane	1.48	0.685	U
106-46-7	1,4-Dichlorobenzene	1.48	0.891	U
123-91-1	1,4-Dioxane	1.48	1.07	U
78-93-3	2-Butanone	1.48	13.8	D
591-78-6	2-Hexanone	1.48	6.13	D
107-05-1	3-Chloropropene	1.48	2.32	U
108-10-1	4-Methyl-2-pentanone	1.48	0.607	U
67-64-1	Acetone	1.48	61.9	~~D~~
107-13-1	Acrylonitrile	1.48	0.965	U
71-43-2	Benzene	1.48	1.75	~~D~~
100-44-7	Benzyl chloride	1.48	0.767	U
75-27-4	Bromodichloromethane	1.48	0.993	U
75-25-2	Bromoform	1.48	1.53	U
74-83-9	Bromomethane	1.48	0.575	U
75-15-0	Carbon disulfide	1.48	0.462	U
56-23-5	Carbon tetrachloride	1.48	0.466	~~D~~
108-90-7	Chlorobenzene	1.48	0.682	U
75-00-3	Chloroethane	1.48	0.391	U
67-66-3	Chloroform	1.48	0.724	U
74-87-3	Chloromethane	1.48	1.07	D
156-59-2	cis-1,2-Dichloroethylene	1.48	0.881	D
10061-01-5	cis-1,3-Dichloropropylene	1.48	0.673	U
110-82-7	Cyclohexane	1.48	0.663	~~D~~

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-120123

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23L0129
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23L0129-02	File ID:	TQ227836.D
Sampled:	12/01/23 14:11	Prepared:	12/11/23 11:00	Analyzed:	12/11/23 23:41
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL30773	Sequence:	S3L1224	Calibration:	SL30036
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.48	1.26	U
75-71-8	Dichlorodifluoromethane	1.48	1.69	D
141-78-6	Ethyl acetate	1.48	1.07	U
100-41-4	Ethyl Benzene	1.48	0.837	D
87-68-3	Hexachlorobutadiene	1.48	1.58	U J
67-63-0	Isopropanol	1.48	51.0	D
80-62-6	Methyl Methacrylate	1.48	0.607	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.48	0.534	U
75-09-2	Methylene chloride	1.48	1.75	D
142-82-5	n-Heptane	1.48	1.21	D
110-54-3	n-Hexane	1.48	1.62	D
95-47-6	o-Xylene	1.48	1.09	D
179601-23-1	p- & m- Xylenes	1.48	2.57	D
622-96-8	p-Ethyltoluene	1.48	1.09	D
115-07-1	Propylene	1.48	0.255	U
100-42-5	Styrene	1.48	0.631	U
127-18-4	Tetrachloroethylene	1.48	7.54	D
109-99-9	Tetrahydrofuran	1.48	0.874	U
108-88-3	Toluene	1.48	4.58	D
156-60-5	trans-1,2-Dichloroethylene	1.48	0.588	U
10061-02-6	trans-1,3-Dichloropropylene	1.48	0.673	U
79-01-6	Trichloroethylene	1.48	0.478	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.48	0.999	D
108-05-4	Vinyl acetate	1.48	0.522	U
593-60-2	Vinyl bromide	1.48	0.648	U
75-01-4	Vinyl Chloride	1.48	0.189	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	512532	12.584	423425	12.578	
ISTD: 1,4-Difluorobenzene	2061380	14.352	1623100	14.346	
ISTD: d5-Chlorobenzene	2003918	20.351	1704023	20.345	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-03 File ID: TQ227837.D

Sampled: 12/01/23 14:12 Prepared: 12/11/23 11:00 Analyzed: 12/12/23 00:44

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30773 Sequence: S3L1224 Calibration: SL30036 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.57	1.08	U
71-55-6	1,1,1-Trichloroethane	1.57	2.75	D
79-34-5	1,1,2,2-Tetrachloroethane	1.57	1.08	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.57	1.21	U
79-00-5	1,1,2-Trichloroethane	1.57	0.858	U
75-34-3	1,1-Dichloroethane	1.57	0.637	U
75-35-4	1,1-Dichloroethylene	1.57	0.312	U
120-82-1	1,2,4-Trichlorobenzene	1.57	1.17	U J
95-63-6	1,2,4-Trimethylbenzene	1.57	1.31	D
106-93-4	1,2-Dibromoethane	1.57	1.21	U
95-50-1	1,2-Dichlorobenzene	1.57	0.946	U
107-06-2	1,2-Dichloroethane	1.57	0.637	U
78-87-5	1,2-Dichloropropane	1.57	0.727	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.57	1.10	U
108-67-8	1,3,5-Trimethylbenzene	1.57	0.773	U
106-99-0	1,3-Butadiene	1.57	1.04	U
541-73-1	1,3-Dichlorobenzene	1.57	0.946	U
142-28-9	1,3-Dichloropropane	1.57	0.727	U
106-46-7	1,4-Dichlorobenzene	1.57	0.946	U
123-91-1	1,4-Dioxane	1.57	1.13	U
78-93-3	2-Butanone	1.57	12.2	D
591-78-6	2-Hexanone	1.57	5.86	D
107-05-1	3-Chloropropene	1.57	2.46	U
108-10-1	4-Methyl-2-pentanone	1.57	0.644	U
67-64-1	Acetone	1.57	14.4	D
107-13-1	Acrylonitrile	1.57	1.02	U
71-43-2	Benzene	1.57	0.754	D
100-44-7	Benzyl chloride	1.57	0.814	U
75-27-4	Bromodichloromethane	1.57	1.05	U
75-25-2	Bromoform	1.57	1.63	U
74-83-9	Bromomethane	1.57	0.611	U
75-15-0	Carbon disulfide	1.57	0.490	U
56-23-5	Carbon tetrachloride	1.57	0.495	D
108-90-7	Chlorobenzene	1.57	0.724	U
75-00-3	Chloroethane	1.57	0.415	U
67-66-3	Chloroform	1.57	0.768	U
74-87-3	Chloromethane	1.57	0.845	D
156-59-2	cis-1,2-Dichloroethylene	1.57	0.624	D
10061-01-5	cis-1,3-Dichloropropylene	1.57	0.714	U
110-82-7	Cyclohexane	1.57	0.541	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-120123

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23L0129
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23L0129-03	File ID:	TQ227837.D
Sampled:	12/01/23 14:12	Prepared:	12/11/23 11:00	Analyzed:	12/12/23 00:44
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL30773	Sequence:	S3L1224	Calibration:	SL30036
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.57	1.34	U
75-71-8	Dichlorodifluoromethane	1.57	2.26	D
141-78-6	Ethyl acetate	1.57	1.13	U
100-41-4	Ethyl Benzene	1.57	0.683	U
87-68-3	Hexachlorobutadiene	1.57	1.68	U J
67-63-0	Isopropanol	1.57	22.1	D
80-62-6	Methyl Methacrylate	1.57	0.644	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.57	0.567	U
75-09-2	Methylene chloride	1.57	1.26	D
142-82-5	n-Heptane	1.57	1.03	D
110-54-3	n-Hexane	1.57	1.11	D
95-47-6	o-Xylene	1.57	0.820	D
179601-23-1	p- & m- Xylenes	1.57	1.64	D
622-96-8	p-Ethyltoluene	1.57	0.773	U
115-07-1	Propylene	1.57	0.271	U
100-42-5	Styrene	1.57	0.804	D
127-18-4	Tetrachloroethylene	1.57	5.23	D
109-99-9	Tetrahydrofuran	1.57	0.928	U
108-88-3	Toluene	1.57	2.96	D
156-60-5	trans-1,2-Dichloroethylene	1.57	0.624	U
10061-02-6	trans-1,3-Dichloropropylene	1.57	0.714	U
79-01-6	Trichloroethylene	1.57	0.507	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.57	1.33	D
108-05-4	Vinyl acetate	1.57	0.554	U
593-60-2	Vinyl bromide	1.57	0.688	U
75-01-4	Vinyl Chloride	1.57	0.201	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	516381	12.584	423425	12.578	
ISTD: 1,4-Difluorobenzene	2097993	14.352	1623100	14.346	
ISTD: d5-Chlorobenzene	2014045	20.351	1704023	20.345	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-04 File ID: TO301827.D

Sampled: 12/01/23 14:13 Prepared: 12/11/23 10:00 Analyzed: 12/12/23 07:17

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30774 Sequence: S3L1232 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.65	1.13	U
71-55-6	1,1,1-Trichloroethane	1.65	2.79	D
79-34-5	1,1,2,2-Tetrachloroethane	1.65	1.13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.65	1.27	U
79-00-5	1,1,2-Trichloroethane	1.65	0.901	U
75-34-3	1,1-Dichloroethane	1.65	0.669	U
75-35-4	1,1-Dichloroethylene	1.65	0.327	U
120-82-1	1,2,4-Trichlorobenzene	1.65	1.23	U J
95-63-6	1,2,4-Trimethylbenzene	1.65	1.06	D
106-93-4	1,2-Dibromoethane	1.65	1.27	U
95-50-1	1,2-Dichlorobenzene	1.65	0.993	U
107-06-2	1,2-Dichloroethane	1.65	0.669	U
78-87-5	1,2-Dichloropropane	1.65	0.763	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.65	1.15	U
108-67-8	1,3,5-Trimethylbenzene	1.65	0.812	U
106-99-0	1,3-Butadiene	1.65	1.10	U
541-73-1	1,3-Dichlorobenzene	1.65	0.993	U
142-28-9	1,3-Dichloropropane	1.65	0.763	U
106-46-7	1,4-Dichlorobenzene	1.65	0.993	U
123-91-1	1,4-Dioxane	1.65	1.19	U
78-93-3	2-Butanone	1.65	12.0	D
591-78-6	2-Hexanone	1.65	5.62	D
107-05-1	3-Chloropropene	1.65	2.59	U
108-10-1	4-Methyl-2-pentanone	1.65	0.677	U
67-64-1	Acetone	1.65	8.91	D
107-13-1	Acrylonitrile	1.65	1.08	U
71-43-2	Benzene	1.65	0.528	D
100-44-7	Benzyl chloride	1.65	0.855	U
75-27-4	Bromodichloromethane	1.65	1.11	U
75-25-2	Bromoform	1.65	1.71	U
74-83-9	Bromomethane	1.65	0.641	U
75-15-0	Carbon disulfide	1.65	0.514	U
56-23-5	Carbon tetrachloride	1.65	0.312	D
108-90-7	Chlorobenzene	1.65	0.761	U
75-00-3	Chloroethane	1.65	0.436	U
67-66-3	Chloroform	1.65	0.807	U
74-87-3	Chloromethane	1.65	0.341	U
156-59-2	cis-1,2-Dichloroethylene	1.65	0.327	U
10061-01-5	cis-1,3-Dichloropropylene	1.65	0.750	U
110-82-7	Cyclohexane	1.65	0.569	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-120123

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23L0129
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23L0129-04	File ID:	TO301827.D
Sampled:	12/01/23 14:13	Prepared:	12/11/23 10:00	Analyzed:	12/12/23 07:17
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL30774	Sequence:	S3L1232	Calibration:	SK30035
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.65	1.41	U
75-71-8	Dichlorodifluoromethane	1.65	1.72	~~D~~
141-78-6	Ethyl acetate	1.65	1.19	U
100-41-4	Ethyl Benzene	1.65	0.717	U
87-68-3	Hexachlorobutadiene	1.65	1.76	U J
67-63-0	Isopropanol	1.65	1.42	~~D~~
80-62-6	Methyl Methacrylate	1.65	0.676	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.65	0.596	U
75-09-2	Methylene chloride	1.65	1.21	~~D~~
142-82-5	n-Heptane	1.65	0.677	U
110-54-3	n-Hexane	1.65	0.757	~~D~~
95-47-6	o-Xylene	1.65	0.717	U
179601-23-1	p- & m- Xylenes	1.65	1.43	~~D~~
622-96-8	p-Ethyltoluene	1.65	0.812	U
115-07-1	Propylene	1.65	0.284	U
100-42-5	Styrene	1.65	0.704	U
127-18-4	Tetrachloroethylene	1.65	1.57	~~D~~
109-99-9	Tetrahydrofuran	1.65	0.974	U
108-88-3	Toluene	1.65	1.25	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.65	0.655	U
10061-02-6	trans-1,3-Dichloropropylene	1.65	0.750	U
79-01-6	Trichloroethylene	1.65	0.222	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.65	0.928	U
108-05-4	Vinyl acetate	1.65	0.582	U
593-60-2	Vinyl bromide	1.65	0.723	U
75-01-4	Vinyl Chloride	1.65	0.211	U J

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	399563	12.015	564106	12.015	
ISTD: 1,4-Difluorobenzene	1068282	13.572	1638471	13.572	
ISTD: d5-Chlorobenzene	949034	18.801	1540142	18.801	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-05 File ID: TO301828.D

Sampled: 12/01/23 14:14 Prepared: 12/11/23 10:00 Analyzed: 12/12/23 08:10

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30774 Sequence: S3L1232 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.54	1.06	U
71-55-6	1,1,1-Trichloroethane	1.54	0.840	U
79-34-5	1,1,2,2-Tetrachloroethane	1.54	1.06	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.54	1.18	U
79-00-5	1,1,2-Trichloroethane	1.54	0.840	U
75-34-3	1,1-Dichloroethane	1.54	0.623	U
75-35-4	1,1-Dichloroethylene	1.54	0.305	U
120-82-1	1,2,4-Trichlorobenzene	1.54	1.14	U J
95-63-6	1,2,4-Trimethylbenzene	1.54	3.18	~~D~~
106-93-4	1,2-Dibromoethane	1.54	1.18	U
95-50-1	1,2-Dichlorobenzene	1.54	0.925	U
107-06-2	1,2-Dichloroethane	1.54	0.623	U
78-87-5	1,2-Dichloropropane	1.54	0.711	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.54	1.08	U
108-67-8	1,3,5-Trimethylbenzene	1.54	0.757	~~D~~
106-99-0	1,3-Butadiene	1.54	1.02	U
541-73-1	1,3-Dichlorobenzene	1.54	0.925	U
142-28-9	1,3-Dichloropropane	1.54	0.711	U
106-46-7	1,4-Dichlorobenzene	1.54	0.925	U
123-91-1	1,4-Dioxane	1.54	1.11	U
78-93-3	2-Butanone	1.54	5.67	~~D~~
591-78-6	2-Hexanone	1.54	1.26	U
107-05-1	3-Chloropropene	1.54	2.41	U
108-10-1	4-Methyl-2-pentanone	1.54	0.630	U
67-64-1	Acetone	1.54	14.2	~~D~~
107-13-1	Acrylonitrile	1.54	1.00	U
71-43-2	Benzene	1.54	1.23	~~D~~
100-44-7	Benzyl chloride	1.54	0.797	U
75-27-4	Bromodichloromethane	1.54	1.03	U
75-25-2	Bromoform	1.54	1.59	U
74-83-9	Bromomethane	1.54	0.598	U
75-15-0	Carbon disulfide	1.54	0.479	U
56-23-5	Carbon tetrachloride	1.54	0.387	~~D~~
108-90-7	Chlorobenzene	1.54	0.709	U
75-00-3	Chloroethane	1.54	0.406	U
67-66-3	Chloroform	1.54	0.751	U
74-87-3	Chloromethane	1.54	0.445	~~D~~
156-59-2	cis-1,2-Dichloroethylene	1.54	0.305	U
10061-01-5	cis-1,3-Dichloropropylene	1.54	0.698	U
110-82-7	Cyclohexane	1.54	0.530	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-120123

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	23L0129
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix:	Vapor Extraction	Laboratory ID:	23L0129-05	File ID:	TO301828.D
Sampled:	12/01/23 14:14	Prepared:	12/11/23 10:00	Analyzed:	12/12/23 08:10
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BL30774	Sequence:	S3L1232	Calibration:	SK30035
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.54	1.31	U
75-71-8	Dichlorodifluoromethane	1.54	2.44	D
141-78-6	Ethyl acetate	1.54	1.11	U
100-41-4	Ethyl Benzene	1.54	1.60	D
87-68-3	Hexachlorobutadiene	1.54	1.64	U J
67-63-0	Isopropanol	1.54	2.08	D
80-62-6	Methyl Methacrylate	1.54	0.630	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.54	0.555	U
75-09-2	Methylene chloride	1.54	1.07	U
142-82-5	n-Heptane	1.54	0.883	D
110-54-3	n-Hexane	1.54	1.14	D
95-47-6	o-Xylene	1.54	2.34	D
179601-23-1	p- & m- Xylenes	1.54	6.41	D
622-96-8	p-Ethyltoluene	1.54	2.65	D
115-07-1	Propylene	1.54	1.80	D
100-42-5	Styrene	1.54	1.05	D
127-18-4	Tetrachloroethylene	1.54	2.82	D
109-99-9	Tetrahydrofuran	1.54	0.908	U
108-88-3	Toluene	1.54	5.05	D
156-60-5	trans-1,2-Dichloroethylene	1.54	0.610	U
10061-02-6	trans-1,3-Dichloropropylene	1.54	0.698	U
79-01-6	Trichloroethylene	1.54	0.207	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.54	1.38	D
108-05-4	Vinyl acetate	1.54	0.542	U
593-60-2	Vinyl bromide	1.54	0.673	U
75-01-4	Vinyl Chloride	1.54	0.197	U J

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	482146	12.015	564106	12.015	
ISTD: 1,4-Difluorobenzene	1351147	13.572	1638471	13.572	
ISTD: d5-Chlorobenzene	1161760	18.801	1540142	18.801	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-06 File ID: TO301845.D

Sampled: 12/01/23 14:15 Prepared: 12/12/23 13:04 Analyzed: 12/13/23 01:53

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30854 Sequence: S3L1310 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.7	1.16	U
71-55-6	1,1,1-Trichloroethane	1.7	1.94	~~D~~
79-34-5	1,1,2,2-Tetrachloroethane	1.7	1.16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.7	1.30	U
79-00-5	1,1,2-Trichloroethane	1.7	0.925	U
75-34-3	1,1-Dichloroethane	1.7	0.686	U
75-35-4	1,1-Dichloroethylene	1.7	0.336	U
120-82-1	1,2,4-Trichlorobenzene	1.7	1.26	U J
95-63-6	1,2,4-Trimethylbenzene	1.7	3.25	~~D~~
106-93-4	1,2-Dibromoethane	1.7	1.30	U
95-50-1	1,2-Dichlorobenzene	1.7	1.02	U
107-06-2	1,2-Dichloroethane	1.7	0.686	U
78-87-5	1,2-Dichloropropane	1.7	0.783	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.7	1.18	U
108-67-8	1,3,5-Trimethylbenzene	1.7	0.833	U
106-99-0	1,3-Butadiene	1.7	1.12	U
541-73-1	1,3-Dichlorobenzene	1.7	1.02	U
142-28-9	1,3-Dichloropropane	1.7	0.783	U
106-46-7	1,4-Dichlorobenzene	1.7	1.02	U
123-91-1	1,4-Dioxane	1.7	1.22	U
78-93-3	2-Butanone	1.7	4.30	~~D~~
591-78-6	2-Hexanone	1.7	1.39	U
107-05-1	3-Chloropropene	1.7	2.65	U
108-10-1	4-Methyl-2-pentanone	1.7	0.694	U
67-64-1	Acetone	1.7	4.87	~~D~~
107-13-1	Acrylonitrile	1.7	1.10	U
71-43-2	Benzene	1.7	0.541	U
100-44-7	Benzyl chloride	1.7	21.1	~~D~~
75-27-4	Bromodichloromethane	1.7	1.14	U
75-25-2	Bromoform	1.7	1.75	U
74-83-9	Bromomethane	1.7	0.658	U
75-15-0	Carbon disulfide	1.7	0.528	U
56-23-5	Carbon tetrachloride	1.7	0.320	~~D~~
108-90-7	Chlorobenzene	1.7	0.780	U
75-00-3	Chloroethane	1.7	0.447	U
67-66-3	Chloroform	1.7	0.828	U
74-87-3	Chloromethane	1.7	0.350	U J
156-59-2	cis-1,2-Dichloroethylene	1.7	0.336	U
10061-01-5	cis-1,3-Dichloropropylene	1.7	0.769	U
110-82-7	Cyclohexane	1.7	0.583	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23L0129

Client: ERM Inc (Melville)
Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction
Laboratory ID: 23L0129-06
File ID: TO301845.D

Sampled: 12/01/23 14:15
Prepared: 12/12/23 13:04
Analyzed: 12/13/23 01:53

Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL

Batch: BL30854
Sequence: S3L1310
Calibration: SK30035
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.7	1.44	U
75-71-8	Dichlorodifluoromethane	1.7	2.18	~~D~~
141-78-6	Ethyl acetate	1.7	1.22	U
100-41-4	Ethyl Benzene	1.7	1.40	~~D~~
87-68-3	Hexachlorobutadiene	1.7	1.81	U J
67-63-0	Isopropanol	1.7	2.21	~~BD~~
80-62-6	Methyl Methacrylate	1.7	0.694	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.7	0.611	U
75-09-2	Methylene chloride	1.7	1.18	U
142-82-5	n-Heptane	1.7	0.695	U
110-54-3	n-Hexane	1.7	0.597	U
95-47-6	o-Xylene	1.7	1.91	D
179601-23-1	p- & m- Xylenes	1.7	5.45	D
622-96-8	p-Ethyltoluene	1.7	2.33	D
115-07-1	Propylene	1.7	0.496	D
100-42-5	Styrene	1.7	1.16	D
127-18-4	Tetrachloroethylene	1.7	1.95	D
109-99-9	Tetrahydrofuran	1.7	1.00	U
108-88-3	Toluene	1.7	4.22	~~D~~
156-60-5	trans-1,2-Dichloroethylene	1.7	0.672	U
10061-02-6	trans-1,3-Dichloropropylene	1.7	0.769	U
79-01-6	Trichloroethylene	1.7	0.228	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.7	0.952	U
108-05-4	Vinyl acetate	1.7	0.597	U
593-60-2	Vinyl bromide	1.7	0.741	U
75-01-4	Vinyl Chloride	1.7	0.217	U J

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	385820	12.015	413483	12.015	
ISTD: 1,4-Difluorobenzene	1054242	13.572	1146309	13.572	
ISTD: d5-Chlorobenzene	921828	18.801	1108255	18.801	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 23L0129

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St.

Matrix: Vapor Extraction Laboratory ID: 23L0129-07 File ID: TO301847.D

Sampled: 12/01/23 14:16 Prepared: 12/12/23 13:04 Analyzed: 12/13/23 03:39

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BL30854 Sequence: S3L1310 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.69	1.16	U
71-55-6	1,1,1-Trichloroethane	1.69	0.924	U
79-34-5	1,1,2,2-Tetrachloroethane	1.69	1.16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.69	1.30	U
79-00-5	1,1,2-Trichloroethane	1.69	0.924	U
75-34-3	1,1-Dichloroethane	1.69	0.685	U
75-35-4	1,1-Dichloroethylene	1.69	0.336	U
120-82-1	1,2,4-Trichlorobenzene	1.69	1.26	U J
95-63-6	1,2,4-Trimethylbenzene	1.69	3.66	D
106-93-4	1,2-Dibromoethane	1.69	1.30	U
95-50-1	1,2-Dichlorobenzene	1.69	1.02	U
107-06-2	1,2-Dichloroethane	1.69	0.685	U
78-87-5	1,2-Dichloropropane	1.69	0.782	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.69	1.18	U
108-67-8	1,3,5-Trimethylbenzene	1.69	0.916	D
106-99-0	1,3-Butadiene	1.69	1.12	U
541-73-1	1,3-Dichlorobenzene	1.69	1.02	U
142-28-9	1,3-Dichloropropane	1.69	0.782	U
106-46-7	1,4-Dichlorobenzene	1.69	1.02	U
123-91-1	1,4-Dioxane	1.69	1.22	U
78-93-3	2-Butanone	1.69	6.49	D
591-78-6	2-Hexanone	1.69	1.39	U
107-05-1	3-Chloropropene	1.69	2.65	U
108-10-1	4-Methyl-2-pentanone	1.69	0.694	U
67-64-1	Acetone	1.69	13.6	D
107-13-1	Acrylonitrile	1.69	13.3	D
71-43-2	Benzene	1.69	2.06	D
100-44-7	Benzyl chloride	1.69	13.7	D
75-27-4	Bromodichloromethane	1.69	1.13	U
75-25-2	Bromoform	1.69	1.75	U
74-83-9	Bromomethane	1.69	0.657	U
75-15-0	Carbon disulfide	1.69	0.527	U
56-23-5	Carbon tetrachloride	1.69	0.266	U
108-90-7	Chlorobenzene	1.69	0.779	U
75-00-3	Chloroethane	1.69	0.447	U
67-66-3	Chloroform	1.69	0.827	U
74-87-3	Chloromethane	1.69	0.350	U J
156-59-2	cis-1,2-Dichloroethylene	1.69	0.336	D
10061-01-5	cis-1,3-Dichloropropylene	1.69	0.768	U
110-82-7	Cyclohexane	1.69	0.583	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-120123

Laboratory: York Analytical Laboratories, Inc. - Stratford
SDG: 23L0129
Client: ERM Inc (Melville)
Project: 0560708.33 Steel Equities - 225-255 E 2nd St.
Matrix: Vapor Extraction
Laboratory ID: 23L0129-07
File ID: TO301847.D
Sampled: 12/01/23 14:16
Prepared: 12/12/23 13:04
Analyzed: 12/13/23 03:39
Solids:
Preparation: EPA TO15 PREP
Initial/Final: 400 mL / 400 mL
Batch: BL30854
Sequence: S3L1310
Calibration: SK30035
Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.69	1.44	U
75-71-8	Dichlorodifluoromethane	1.69	2.34	D
141-78-6	Ethyl acetate	1.69	1.22	U
100-41-4	Ethyl Benzene	1.69	3.09	D
87-68-3	Hexachlorobutadiene	1.69	1.81	U J
67-63-0	Isopropanol	1.69	1.58	BD
80-62-6	Methyl Methacrylate	1.69	0.693	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.69	0.610	U
75-09-2	Methylene chloride	1.69	1.18	U
142-82-5	n-Heptane	1.69	0.694	U
110-54-3	n-Hexane	1.69	0.835	D
95-47-6	o-Xylene	1.69	3.60	D
179601-23-1	p- & m- Xylenes	1.69	9.34	D
622-96-8	p-Ethyltoluene	1.69	3.41	D
115-07-1	Propylene	1.69	0.291	U
100-42-5	Styrene	1.69	1.01	D
127-18-4	Tetrachloroethylene	1.69	2.99	D
109-99-9	Tetrahydrofuran	1.69	0.999	U
108-88-3	Toluene	1.69	7.02	D
156-60-5	trans-1,2-Dichloroethylene	1.69	0.671	U
10061-02-6	trans-1,3-Dichloropropylene	1.69	0.768	U
79-01-6	Trichloroethylene	1.69	0.273	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.69	1.33	D
108-05-4	Vinyl acetate	1.69	0.596	U
593-60-2	Vinyl bromide	1.69	0.741	U
75-01-4	Vinyl Chloride	1.69	0.216	U J

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	513367	12.015	413483	12.015	
ISTD: 1,4-Difluorobenzene	1503389	13.572	1146309	13.572	
ISTD: d5-Chlorobenzene	1297576	18.801	1108255	18.801	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 24A0411-01 File ID: TQ228160.D

Sampled: 01/05/24 12:13 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 05:47

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1.55	0.85	U
79-34-5	1,1,2,2-Tetrachloroethane	1.55	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.55	1.2	U
79-00-5	1,1,2-Trichloroethane	1.55	0.85	U
75-34-3	1,1-Dichloroethane	1.55	0.63	U
75-35-4	1,1-Dichloroethylene	1.55	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.55	2.4	D
106-93-4	1,2-Dibromoethane	1.55	1.2	U
95-50-1	1,2-Dichlorobenzene	1.55	0.93	U
107-06-2	1,2-Dichloroethane	1.55	0.63	U
78-87-5	1,2-Dichloropropane	1.55	0.72	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.55	0.84	D
106-99-0	1,3-Butadiene	1.55	1.0	U
541-73-1	1,3-Dichlorobenzene	1.55	0.93	U
142-28-9	1,3-Dichloropropane	1.55	0.72	U
106-46-7	1,4-Dichlorobenzene	1.55	0.93	U
123-91-1	1,4-Dioxane	1.55	1.1	U
78-93-3	2-Butanone	1.55	26	D
591-78-6	2-Hexanone	1.55	2.9	D
107-05-1	3-Chloropropene	1.55	2.4	U
108-10-1	4-Methyl-2-pentanone	1.55	0.63	U
67-64-1	Acetone	1.55	25	D
107-13-1	Acrylonitrile	1.55	0.67	U
71-43-2	Benzene	1.55	0.99	D
100-44-7	Benzyl chloride	1.55	0.80	U
75-27-4	Bromodichloromethane	1.55	1.0	U
75-25-2	Bromoform	1.55	1.6	U
74-83-9	Bromomethane	1.55	0.60	U
75-15-0	Carbon disulfide	1.55	0.48	U
56-23-5	Carbon tetrachloride	1.55	0.24	U
108-90-7	Chlorobenzene	1.55	0.71	U
75-00-3	Chloroethane	1.55	0.41	U
67-66-3	Chloroform	1.55	0.76	U
74-87-3	Chloromethane	1.55	1.4	D
156-59-2	cis-1,2-Dichloroethylene	1.55	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.55	0.70	U
110-82-7	Cyclohexane	1.55	0.53	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-3-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 24A0411-01 File ID: TQ228160.D

Sampled: 01/05/24 12:13 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 05:47

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.55	1.3	U
75-71-8	Dichlorodifluoromethane	1.55	2.8	D
141-78-6	Ethyl acetate	1.55	1.1	U
100-41-4	Ethyl Benzene	1.55	1.0	D
87-68-3	Hexachlorobutadiene	1.55	1.7	U
67-63-0	Isopropanol	1.55	1.1	D
80-62-6	Methyl Methacrylate	1.55	0.63	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.55	0.56	U
75-09-2	Methylene chloride	1.55	1.6	D
142-82-5	n-Heptane	1.55	0.63	U
110-54-3	n-Hexane	1.55	0.76	D
95-47-6	o-Xylene	1.55	1.5	D
179601-23-1	p- & m- Xylenes	1.55	3.8	D
622-96-8	p-Ethyltoluene	1.55	1.9	D
115-07-1	Propylene	1.55	3.3	D
100-42-5	Styrene	1.55	0.66	U
127-18-4	Tetrachloroethylene	1.55	1.1	U
109-99-9	Tetrahydrofuran	1.55	0.91	U
108-88-3	Toluene	1.55	2.5	D
156-60-5	trans-1,2-Dichloroethylene	1.55	0.61	U
10061-02-6	trans-1,3-Dichloropropylene	1.55	0.70	U
79-01-6	Trichloroethylene	1.55	0.21	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.55	1.6	D
108-05-4	Vinyl acetate	1.55	0.55	U
593-60-2	Vinyl bromide	1.55	0.68	U
75-01-4	Vinyl Chloride	1.55	0.20	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	660850	12.584	643364	12.59	
ISTD: 1,4-Difluorobenzene	1587502	14.358	1470129	14.358	
ISTD: d5-Chlorobenzene	1330264	20.357	1304149	20.351	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 24A0411-02 File ID: TQ228161.D

Sampled: 01/05/24 12:15 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 06:50

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.55	1.1	U
71-55-6	1,1,1-Trichloroethane	1.55	1.6	D
79-34-5	1,1,2,2-Tetrachloroethane	1.55	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.55	1.2	U
79-00-5	1,1,2-Trichloroethane	1.55	0.85	U
75-34-3	1,1-Dichloroethane	1.55	0.63	U
75-35-4	1,1-Dichloroethylene	1.55	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.55	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.55	3.2	D
106-93-4	1,2-Dibromoethane	1.55	1.2	U
95-50-1	1,2-Dichlorobenzene	1.55	0.93	U
107-06-2	1,2-Dichloroethane	1.55	0.63	U
78-87-5	1,2-Dichloropropane	1.55	0.72	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.55	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.55	0.84	D
106-99-0	1,3-Butadiene	1.55	1.0	U
541-73-1	1,3-Dichlorobenzene	1.55	0.93	U
142-28-9	1,3-Dichloropropane	1.55	0.72	U
106-46-7	1,4-Dichlorobenzene	1.55	0.93	U
123-91-1	1,4-Dioxane	1.55	1.1	U
78-93-3	2-Butanone	1.55	93	D
591-78-6	2-Hexanone	1.55	9.6	D
107-05-1	3-Chloropropene	1.55	2.4	U
108-10-1	4-Methyl-2-pentanone	1.55	0.63	U
67-64-1	Acetone	1.55	51	D
107-13-1	Acrylonitrile	1.55	0.67	BD
71-43-2	Benzene	1.55	0.49	U
100-44-7	Benzyl chloride	1.55	0.80	U
75-27-4	Bromodichloromethane	1.55	1.0	U
75-25-2	Bromoform	1.55	1.6	U
74-83-9	Bromomethane	1.55	0.60	U
75-15-0	Carbon disulfide	1.55	1.2	D
56-23-5	Carbon tetrachloride	1.55	0.39	D
108-90-7	Chlorobenzene	1.55	0.71	U
75-00-3	Chloroethane	1.55	0.41	U
67-66-3	Chloroform	1.55	0.76	U
74-87-3	Chloromethane	1.55	0.32	U
156-59-2	cis-1,2-Dichloroethylene	1.55	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.55	0.70	U
110-82-7	Cyclohexane	1.55	0.53	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-4R-010524

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24A0411
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St
Matrix:	Soil Vapor	Laboratory ID:	24A0411-02	File ID:	TQ228161.D
Sampled:	01/05/24 12:15	Prepared:	01/12/24 12:00	Analyzed:	01/13/24 06:50
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BA40984	Sequence:	S4A1548	Calibration:	SA40037
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.55	1.3	U
75-71-8	Dichlorodifluoromethane	1.55	2.7	D
141-78-6	Ethyl acetate	1.55	1.1	U
100-41-4	Ethyl Benzene	1.55	1.0	D
87-68-3	Hexachlorobutadiene	1.55	1.7	U
67-63-0	Isopropanol	1.55	1.3	D
80-62-6	Methyl Methacrylate	1.55	0.63	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.55	0.56	U
75-09-2	Methylene chloride	1.55	1.1	U
142-82-5	n-Heptane	1.55	0.63	U
110-54-3	n-Hexane	1.55	0.55	D
95-47-6	o-Xylene	1.55	1.7	D
179601-23-1	p- & m- Xylenes	1.55	4.1	D
622-96-8	p-Ethyltoluene	1.55	2.2	D
115-07-1	Propylene	1.55	8.3	D
100-42-5	Styrene	1.55	0.66	U
127-18-4	Tetrachloroethylene	1.55	1.1	D
109-99-9	Tetrahydrofuran	1.55	0.91	U
108-88-3	Toluene	1.55	1.9	D
156-60-5	trans-1,2-Dichloroethylene	1.55	0.61	U
10061-02-6	trans-1,3-Dichloropropylene	1.55	0.70	U
79-01-6	Trichloroethylene	1.55	0.21	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.55	1.5	D
108-05-4	Vinyl acetate	1.55	0.55	U
593-60-2	Vinyl bromide	1.55	0.68	U
75-01-4	Vinyl Chloride	1.55	0.20	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	677693	12.59	643364	12.59	
ISTD: 1,4-Difluorobenzene	1631615	14.358	1470129	14.358	
ISTD: d5-Chlorobenzene	1395587	20.357	1304149	20.351	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Soil Vapor Laboratory ID: 24A0411-03 File ID: TQ228162.D

Sampled: 01/05/24 12:16 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 07:53

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.49	1.0	U
71-55-6	1,1,1-Trichloroethane	1.49	0.81	U
79-34-5	1,1,2,2-Tetrachloroethane	1.49	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.49	1.1	U
79-00-5	1,1,2-Trichloroethane	1.49	0.81	U
75-34-3	1,1-Dichloroethane	1.49	0.60	U
75-35-4	1,1-Dichloroethylene	1.49	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.49	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.49	1.8	D
106-93-4	1,2-Dibromoethane	1.49	1.1	U
95-50-1	1,2-Dichlorobenzene	1.49	0.89	U
107-06-2	1,2-Dichloroethane	1.49	0.60	U
78-87-5	1,2-Dichloropropane	1.49	0.69	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.49	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.49	0.73	U
106-99-0	1,3-Butadiene	1.49	0.99	U
541-73-1	1,3-Dichlorobenzene	1.49	0.89	U
142-28-9	1,3-Dichloropropane	1.49	0.69	U
106-46-7	1,4-Dichlorobenzene	1.49	0.89	U
123-91-1	1,4-Dioxane	1.49	1.1	U
78-93-3	2-Butanone	1.49	53	D
591-78-6	2-Hexanone	1.49	5.8	D
107-05-1	3-Chloropropene	1.49	2.3	U
108-10-1	4-Methyl-2-pentanone	1.49	0.61	U
67-64-1	Acetone	1.49	32	D
107-13-1	Acrylonitrile	1.49	1.9	RD
71-43-2	Benzene	1.49	0.47	U
100-44-7	Benzyl chloride	1.49	0.77	U
75-27-4	Bromodichloromethane	1.49	1.0	U
75-25-2	Bromoform	1.49	1.5	U
74-83-9	Bromomethane	1.49	0.58	U
75-15-0	Carbon disulfide	1.49	0.46	U
56-23-5	Carbon tetrachloride	1.49	0.37	D
108-90-7	Chlorobenzene	1.49	0.68	U
75-00-3	Chloroethane	1.49	0.39	U
67-66-3	Chloroform	1.49	0.73	U
74-87-3	Chloromethane	1.49	0.52	D
156-59-2	cis-1,2-Dichloroethylene	1.49	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.49	0.67	U
110-82-7	Cyclohexane	1.49	0.51	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SG-5R-010524

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24A0411
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St
Matrix:	Soil Vapor	Laboratory ID:	24A0411-03	File ID:	TQ228162.D
Sampled:	01/05/24 12:16	Prepared:	01/12/24 12:00	Analyzed:	01/13/24 07:53
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BA40984	Sequence:	S4A1548	Calibration:	SA40037
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.49	1.3	U
75-71-8	Dichlorodifluoromethane	1.49	2.7	D
141-78-6	Ethyl acetate	1.49	1.1	U
100-41-4	Ethyl Benzene	1.49	0.71	D
87-68-3	Hexachlorobutadiene	1.49	1.6	U
67-63-0	Isopropanol	1.49	1.7	D
80-62-6	Methyl Methacrylate	1.49	0.61	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.49	0.54	U
75-09-2	Methylene chloride	1.49	1.0	U
142-82-5	n-Heptane	1.49	0.61	U
110-54-3	n-Hexane	1.49	0.52	U
95-47-6	o-Xylene	1.49	1.2	D
179601-23-1	p- & m- Xylenes	1.49	2.7	D
622-96-8	p-Ethyltoluene	1.49	1.3	D
115-07-1	Propylene	1.49	0.26	U
100-42-5	Styrene	1.49	0.63	U
127-18-4	Tetrachloroethylene	1.49	1.0	U
109-99-9	Tetrahydrofuran	1.49	0.88	U
108-88-3	Toluene	1.49	1.6	D
156-60-5	trans-1,2-Dichloroethylene	1.49	0.59	U
10061-02-6	trans-1,3-Dichloropropylene	1.49	0.67	U
79-01-6	Trichloroethylene	1.49	0.24	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.49	1.5	D
108-05-4	Vinyl acetate	1.49	0.52	U
593-60-2	Vinyl bromide	1.49	0.65	U
75-01-4	Vinyl Chloride	1.49	0.19	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	685879	12.584	643364	12.59	
ISTD: 1,4-Difluorobenzene	1654428	14.358	1470129	14.358	
ISTD: d5-Chlorobenzene	1397025	20.351	1304149	20.351	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-04 File ID: TQ228163.D

Sampled: 01/05/24 12:17 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 08:56

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.49	1.0	U
71-55-6	1,1,1-Trichloroethane	1.49	0.90	U
79-34-5	1,1,2,2-Tetrachloroethane	1.49	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.49	1.1	U
79-00-5	1,1,2-Trichloroethane	1.49	0.81	U
75-34-3	1,1-Dichloroethane	1.49	0.60	U
75-35-4	1,1-Dichloroethylene	1.49	0.15	U
120-82-1	1,2,4-Trichlorobenzene	1.49	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.49	1.8	U
106-93-4	1,2-Dibromoethane	1.49	1.1	U
95-50-1	1,2-Dichlorobenzene	1.49	0.90	U
107-06-2	1,2-Dichloroethane	1.49	0.60	U
78-87-5	1,2-Dichloropropane	1.49	0.69	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.49	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.49	0.73	U
106-99-0	1,3-Butadiene	1.49	0.99	U
541-73-1	1,3-Dichlorobenzene	1.49	0.90	U
142-28-9	1,3-Dichloropropane	1.49	0.69	U
106-46-7	1,4-Dichlorobenzene	1.49	0.90	U
123-91-1	1,4-Dioxane	1.49	1.1	U
78-93-3	2-Butanone	1.49	41	D
591-78-6	2-Hexanone	1.49	4.0	D
107-05-1	3-Chloropropene	1.49	2.3	U
108-10-1	4-Methyl-2-pentanone	1.49	0.61	U
67-64-1	Acetone	1.49	25	D
107-13-1	Acrylonitrile	1.49	0.65	U
71-43-2	Benzene	1.49	0.91	U
100-44-7	Benzyl chloride	1.49	0.77	U
75-27-4	Bromodichloromethane	1.49	1.0	U
75-25-2	Bromoform	1.49	1.5	U
74-83-9	Bromomethane	1.49	0.58	U
75-15-0	Carbon disulfide	1.49	0.46	U
56-23-5	Carbon tetrachloride	1.49	0.38	U
108-90-7	Chlorobenzene	1.49	0.69	U
75-00-3	Chloroethane	1.49	0.39	U
67-66-3	Chloroform	1.49	0.73	U
74-87-3	Chloromethane	1.49	0.92	U
156-59-2	cis-1,2-Dichloroethylene	1.49	0.15	U
10061-01-5	cis-1,3-Dichloropropylene	1.49	0.68	U
110-82-7	Cyclohexane	1.49	0.51	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-A-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-04 File ID: TQ228163.D

Sampled: 01/05/24 12:17 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 08:56

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.49	1.3	U
75-71-8	Dichlorodifluoromethane	1.49	1.6	D
141-78-6	Ethyl acetate	1.49	1.1	U
100-41-4	Ethyl Benzene	1.49	0.84	D
87-68-3	Hexachlorobutadiene	1.49	1.6	U
67-63-0	Isopropanol	1.49	0.95	D
80-62-6	Methyl Methacrylate	1.49	0.61	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.49	0.54	U
75-09-2	Methylene chloride	1.49	1.0	U
142-82-5	n-Heptane	1.49	0.61	U
110-54-3	n-Hexane	1.49	1.4	D
95-47-6	o-Xylene	1.49	1.3	D
179601-23-1	p- & m- Xylenes	1.49	3.1	D
622-96-8	p-Ethyltoluene	1.49	1.5	D
115-07-1	Propylene	1.49	4.8	D
100-42-5	Styrene	1.49	0.64	U
127-18-4	Tetrachloroethylene	1.49	1.0	U
109-99-9	Tetrahydrofuran	1.49	0.88	U
108-88-3	Toluene	1.49	2.2	D
156-60-5	trans-1,2-Dichloroethylene	1.49	0.59	U
10061-02-6	trans-1,3-Dichloropropylene	1.49	0.68	U
79-01-6	Trichloroethylene	1.49	0.20	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.49	0.92	D
108-05-4	Vinyl acetate	1.49	0.53	U
593-60-2	Vinyl bromide	1.49	0.65	U
75-01-4	Vinyl Chloride	1.49	0.19	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	673136	12.584	643364	12.59	
ISTD: 1,4-Difluorobenzene	1618782	14.352	1470129	14.358	
ISTD: d5-Chlorobenzene	1337756	20.351	1304149	20.351	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-05 File ID: TQ228164.D

Sampled: 01/05/24 12:18 Prepared: 01/12/24 12:00 Analyzed: 01/13/24 09:59

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40984 Sequence: S4A1548 Calibration: SA40037 Instrument: TO15_AIR2

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.59	1.1	U
71-55-6	1,1,1-Trichloroethane	1.59	0.87	D
79-34-5	1,1,2,2-Tetrachloroethane	1.59	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.59	1.2	U
79-00-5	1,1,2-Trichloroethane	1.59	0.87	U
75-34-3	1,1-Dichloroethane	1.59	0.64	U
75-35-4	1,1-Dichloroethylene	1.59	0.16	U
120-82-1	1,2,4-Trichlorobenzene	1.59	1.2	U
95-63-6	1,2,4-Trimethylbenzene	1.59	1.6	D
106-93-4	1,2-Dibromoethane	1.59	1.2	U
95-50-1	1,2-Dichlorobenzene	1.59	0.96	U
107-06-2	1,2-Dichloroethane	1.59	0.64	U
78-87-5	1,2-Dichloropropane	1.59	0.73	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.59	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.59	0.78	U
106-99-0	1,3-Butadiene	1.59	1.1	U
541-73-1	1,3-Dichlorobenzene	1.59	0.96	U
142-28-9	1,3-Dichloropropane	1.59	0.73	U
106-46-7	1,4-Dichlorobenzene	1.59	0.96	U
123-91-1	1,4-Dioxane	1.59	1.1	U
78-93-3	2-Butanone	1.59	43	D
591-78-6	2-Hexanone	1.59	5.3	D
107-05-1	3-Chloropropene	1.59	2.5	U
108-10-1	4-Methyl-2-pentanone	1.59	0.65	U
67-64-1	Acetone	1.59	23	D
107-13-1	Acrylonitrile	1.59	1.1	BD
71-43-2	Benzene	1.59	0.76	D
100-44-7	Benzyl chloride	1.59	0.82	U
75-27-4	Bromodichloromethane	1.59	1.1	U
75-25-2	Bromoform	1.59	1.6	U
74-83-9	Bromomethane	1.59	0.62	U
75-15-0	Carbon disulfide	1.59	0.49	U
56-23-5	Carbon tetrachloride	1.59	0.40	D
108-90-7	Chlorobenzene	1.59	0.73	U
75-00-3	Chloroethane	1.59	0.42	U
67-66-3	Chloroform	1.59	1.7	D
74-87-3	Chloromethane	1.59	0.95	D
156-59-2	cis-1,2-Dichloroethylene	1.59	0.76	D
10061-01-5	cis-1,3-Dichloropropylene	1.59	0.72	U
110-82-7	Cyclohexane	1.59	0.55	D

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-B-010524

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24A0411
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	24A0411-05	File ID:	TQ228164.D
Sampled:	01/05/24 12:18	Prepared:	01/12/24 12:00	Analyzed:	01/13/24 09:59
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BA40984	Sequence:	S4A1548	Calibration:	SA40037
Instrument:	TO15_AIR2				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.59	1.4	U
75-71-8	Dichlorodifluoromethane	1.59	1.6	D
141-78-6	Ethyl acetate	1.59	1.1	U
100-41-4	Ethyl Benzene	1.59	0.69	U
87-68-3	Hexachlorobutadiene	1.59	1.7	U
67-63-0	Isopropanol	1.59	0.98	D
80-62-6	Methyl Methacrylate	1.59	0.65	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.59	0.57	U
75-09-2	Methylene chloride	1.59	1.1	U
142-82-5	n-Heptane	1.59	0.65	U
110-54-3	n-Hexane	1.59	1.4	D
95-47-6	o-Xylene	1.59	0.97	D
179601-23-1	p- & m- Xylenes	1.59	2.2	D
622-96-8	p-Ethyltoluene	1.59	1.2	D
115-07-1	Propylene	1.59	4.5	D
100-42-5	Styrene	1.59	0.68	U
127-18-4	Tetrachloroethylene	1.59	24	D
109-99-9	Tetrahydrofuran	1.59	0.94	U
108-88-3	Toluene	1.59	1.7	D
156-60-5	trans-1,2-Dichloroethylene	1.59	0.63	U
10061-02-6	trans-1,3-Dichloropropylene	1.59	0.72	U
79-01-6	Trichloroethylene	1.59	0.60	D
75-69-4	Trichlorofluoromethane (Freon 11)	1.59	0.89	D
108-05-4	Vinyl acetate	1.59	0.56	U
593-60-2	Vinyl bromide	1.59	0.70	U
75-01-4	Vinyl Chloride	1.59	0.20	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	671963	12.584	643364	12.59	
ISTD: 1,4-Difluorobenzene	1615733	14.352	1470129	14.358	
ISTD: d5-Chlorobenzene	1349979	20.351	1304149	20.351	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-06 File ID: TO302317.D

Sampled: 01/05/24 13:30 Prepared: 01/13/24 12:00 Analyzed: 01/14/24 00:49

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40978 Sequence: S4A1545 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.73	1.2	U
71-55-6	1,1,1-Trichloroethane	1.73	0.94	U
79-34-5	1,1,2,2-Tetrachloroethane	1.73	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.73	1.3	U
79-00-5	1,1,2-Trichloroethane	1.73	0.94	U
75-34-3	1,1-Dichloroethane	1.73	0.70	U
75-35-4	1,1-Dichloroethylene	1.73	0.17	U
120-82-1	1,2,4-Trichlorobenzene	1.73	1.3	U J
95-63-6	1,2,4-Trimethylbenzene	1.73	1.2	D
106-93-4	1,2-Dibromoethane	1.73	1.3	U
95-50-1	1,2-Dichlorobenzene	1.73	1.0	U
107-06-2	1,2-Dichloroethane	1.73	0.70	U
78-87-5	1,2-Dichloropropane	1.73	0.80	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.73	1.2	U
108-67-8	1,3,5-Trimethylbenzene	1.73	0.85	U
106-99-0	1,3-Butadiene	1.73	1.1	U
541-73-1	1,3-Dichlorobenzene	1.73	1.0	U
142-28-9	1,3-Dichloropropane	1.73	0.80	U
106-46-7	1,4-Dichlorobenzene	1.73	1.0	U
123-91-1	1,4-Dioxane	1.73	1.2	U J
78-93-3	2-Butanone	1.73	34	D
591-78-6	2-Hexanone	1.73	4.2	D
107-05-1	3-Chloropropene	1.73	2.7	U
108-10-1	4-Methyl-2-pentanone	1.73	0.71	U
67-64-1	Acetone	1.73	20	D
107-13-1	Acrylonitrile	1.73	0.75	U
71-43-2	Benzene	1.73	0.55	U
100-44-7	Benzyl chloride	1.73	0.89	U
75-27-4	Bromodichloromethane	1.73	1.2	U
75-25-2	Bromoform	1.73	1.8	U
74-83-9	Bromomethane	1.73	0.67	U
75-15-0	Carbon disulfide	1.73	0.54	U
56-23-5	Carbon tetrachloride	1.73	0.33	D
108-90-7	Chlorobenzene	1.73	0.80	U
75-00-3	Chloroethane	1.73	0.46	U
67-66-3	Chloroform	1.73	0.84	U
74-87-3	Chloromethane	1.73	0.64	D
156-59-2	cis-1,2-Dichloroethylene	1.73	0.17	U
10061-01-5	cis-1,3-Dichloropropylene	1.73	0.78	U
110-82-7	Cyclohexane	1.73	0.59	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-C-010524

Laboratory:	York Analytical Laboratories, Inc. - Stratford			SDG:	24A0411
Client:	ERM Inc (Melville)			Project:	0560708.33 Steel Equities - 225-255 E 2nd St
Matrix:	Vapor Extraction	Laboratory ID:	24A0411-06	File ID:	TO302317.D
Sampled:	01/05/24 13:30	Prepared:	01/13/24 12:00	Analyzed:	01/14/24 00:49
Solids:		Preparation:	EPA TO15 PREP	Initial/Final:	400 mL / 400 mL
Batch:	BA40978	Sequence:	S4A1545	Calibration:	SK30035
Instrument:	5975C				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.73	1.5	U
75-71-8	Dichlorodifluoromethane	1.73	1.6	U
141-78-6	Ethyl acetate	1.73	1.2	U
100-41-4	Ethyl Benzene	1.73	0.75	U
87-68-3	Hexachlorobutadiene	1.73	1.8	U J
67-63-0	Isopropanol	1.73	2.1	U
80-62-6	Methyl Methacrylate	1.73	0.71	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.73	0.62	U
75-09-2	Methylene chloride	1.73	1.2	U
142-82-5	n-Heptane	1.73	0.71	U
110-54-3	n-Hexane	1.73	0.85	U
95-47-6	o-Xylene	1.73	0.75	U
179601-23-1	p- & m- Xylenes	1.73	1.5	U
622-96-8	p-Ethyltoluene	1.73	0.85	U
115-07-1	Propylene	1.73	0.30	U
100-42-5	Styrene	1.73	0.74	U
127-18-4	Tetrachloroethylene	1.73	1.3	U
109-99-9	Tetrahydrofuran	1.73	1.0	U
108-88-3	Toluene	1.73	1.0	U
156-60-5	trans-1,2-Dichloroethylene	1.73	0.68	U
10061-02-6	trans-1,3-Dichloropropylene	1.73	0.78	U
79-01-6	Trichloroethylene	1.73	0.23	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.73	0.97	U
108-05-4	Vinyl acetate	1.73	0.61	U
593-60-2	Vinyl bromide	1.73	0.76	U
75-01-4	Vinyl Chloride	1.73	0.22	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	579675	12.015	478082	12.015	
ISTD: 1,4-Difluorobenzene	1515061	13.572	1393371	13.572	
ISTD: d5-Chlorobenzene	1279265	18.801	1237211	18.801	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-07 File ID: TO302324.D

Sampled: 01/05/24 12:22 Prepared: 01/13/24 12:00 Analyzed: 01/14/24 14:12

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40978 Sequence: S4A1545 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.9	1.3	U
71-55-6	1,1,1-Trichloroethane	1.9	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.9	1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.9	1.5	U
79-00-5	1,1,2-Trichloroethane	1.9	1.0	U
75-34-3	1,1-Dichloroethane	1.9	0.77	U
75-35-4	1,1-Dichloroethylene	1.9	0.19	U
120-82-1	1,2,4-Trichlorobenzene	1.9	1.4	U J
95-63-6	1,2,4-Trimethylbenzene	1.9	0.94	U
106-93-4	1,2-Dibromoethane	1.9	1.5	U
95-50-1	1,2-Dichlorobenzene	1.9	1.1	U
107-06-2	1,2-Dichloroethane	1.9	0.77	U
78-87-5	1,2-Dichloropropane	1.9	0.88	U
76-14-2	1,2-Dichlorotetrafluoroethane	1.9	1.3	U
108-67-8	1,3,5-Trimethylbenzene	1.9	0.94	U
106-99-0	1,3-Butadiene	1.9	1.3	U
541-73-1	1,3-Dichlorobenzene	1.9	1.1	U
142-28-9	1,3-Dichloropropane	1.9	0.88	U
106-46-7	1,4-Dichlorobenzene	1.9	1.1	U
123-91-1	1,4-Dioxane	1.9	1.4	U J
78-93-3	2-Butanone	1.9	42	D J
591-78-6	2-Hexanone	1.9	4.3	D J
107-05-1	3-Chloropropene	1.9	3.0	U
108-10-1	4-Methyl-2-pentanone	1.9	0.78	U
67-64-1	Acetone	1.9	27	D J
107-13-1	Acrylonitrile	1.9	0.83	U J
71-43-2	Benzene	1.9	0.67	D J
100-44-7	Benzyl chloride	1.9	0.99	U
75-27-4	Bromodichloromethane	1.9	1.3	U
75-25-2	Bromoform	1.9	2.0	U
74-83-9	Bromomethane	1.9	0.74	U
75-15-0	Carbon disulfide	1.9	0.59	U
56-23-5	Carbon tetrachloride	1.9	0.36	D J
108-90-7	Chlorobenzene	1.9	0.88	U
75-00-3	Chloroethane	1.9	0.50	U
67-66-3	Chloroform	1.9	0.93	U
74-87-3	Chloromethane	1.9	1.1	D J
156-59-2	cis-1,2-Dichloroethylene	1.9	0.91	D J
10061-01-5	cis-1,3-Dichloropropylene	1.9	0.86	U
110-82-7	Cyclohexane	1.9	0.66	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA TO-15

SVE-D-010524

Laboratory: York Analytical Laboratories, Inc. - Stratford SDG: 24A0411

Client: ERM Inc (Melville) Project: 0560708.33 Steel Equities - 225-255 E 2nd St

Matrix: Vapor Extraction Laboratory ID: 24A0411-07 File ID: TO302324.D

Sampled: 01/05/24 12:22 Prepared: 01/13/24 12:00 Analyzed: 01/14/24 14:12

Solids: Preparation: EPA TO15 PREP Initial/Final: 400 mL / 400 mL

Batch: BA40978 Sequence: S4A1545 Calibration: SK30035 Instrument: 5975C

CAS NO.	COMPOUND	DILUTION	CONC. (ug/m³)	Q
124-48-1	Dibromochloromethane	1.9	1.6	U
75-71-8	Dichlorodifluoromethane	1.9	1.5	D J
141-78-6	Ethyl acetate	1.9	1.4	U
100-41-4	Ethyl Benzene	1.9	0.83	U
87-68-3	Hexachlorobutadiene	1.9	2.0	U J
67-63-0	Isopropanol	1.9	2.3	U
80-62-6	Methyl Methacrylate	1.9	0.78	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1.9	0.69	U
75-09-2	Methylene chloride	1.9	1.3	U
142-82-5	n-Heptane	1.9	0.78	U
110-54-3	n-Hexane	1.9	1.3	D J
95-47-6	o-Xylene	1.9	1.2	D J
179601-23-1	p- & m- Xylenes	1.9	2.7	D J
622-96-8	p-Ethyltoluene	1.9	1.2	D J
115-07-1	Propylene	1.9	0.33	U
100-42-5	Styrene	1.9	0.81	U
127-18-4	Tetrachloroethylene	1.9	39	D J
109-99-9	Tetrahydrofuran	1.9	1.1	U
108-88-3	Toluene	1.9	1.7	D J
156-60-5	trans-1,2-Dichloroethylene	1.9	0.75	U
10061-02-6	trans-1,3-Dichloropropylene	1.9	0.86	U
79-01-6	Trichloroethylene	1.9	0.82	D J
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	1.2	D J
108-05-4	Vinyl acetate	1.9	0.67	U
593-60-2	Vinyl bromide	1.9	0.83	U
75-01-4	Vinyl Chloride	1.9	0.24	U

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Bromochloromethane	700361	12.015	478082	12.015	*
ISTD: 1,4-Difluorobenzene	2074989	13.572	1393371	13.572	*
ISTD: d5-Chlorobenzene	1772447	18.801	1237211	18.801	*

* Values outside of QC limits

APPENDIX E SOIL VAPOR LABORATORY DATA DELIVERABLES

ERM HAS OVER 160 OFFICES ACROSS THE FOLLOWING COUNTRIES AND TERRITORIES WORLDWIDE

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France
Germany
Ghana
Guyana
Hong Kong
India
Indonesia
Ireland
Italy
Japan
Kazakhstan
Kenya
Malaysia
Mexico
Mozambique
The Netherlands
New Zealand
Peru
Poland
Portugal
Puerto Rico
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