



Utica Holding Company c/o Vontier
Corporation

Former Chicago Pneumatic Tool Company 2022 Periodic Review Report

2200 Bleecker Street, Frankfort, New York,
NYSDEC Site No. 622003

January 2023

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2200 Bleecker Street, Frankfort, New York, NYSDEC Site No. 622003



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Acronyms and Abbreviations

Name	Description
µg/L	Micrograms per liter
µg/m ³	Micrograms per cubic meter
2200 BSP	2200 Bleecker Street Properties LLC
BBL	Blasland Bouck & Lee, Inc.
CFM	Cubic feet per minute
CHA	Clough, Harbor & Associates LLP
Chicago Pneumatic	Chicago Pneumatic Tool Company, Inc.
Cis-1,2-DCE	cis-1,2-dichloroethene
Coolidge	Coolidge Utica LLC
CPTC	Chicago Pneumatic Tool Company, Inc.
DMR	Discharge Monitoring Reports
DUP	Duplicate sample
EQ tank	Equalization tank
ERM	ERM Consulting & Engineering, Inc.
FER	Final Engineering Report
GTS	Groundwater treatment system
GW-050	Oneida County Department of Water Quality and Water Pollution Control Groundwater Remediation Discharge Permit Number 050
gpd	Gallons per day
gpm	Gallons per minute
hp	Horsepower
IDA-	Indoor air sample
IRM	Interim Remedial Measures
IWC	Inches of water column
LCM	Leachate collection manhole
Leased Premises	Leased land surrounding the Main Building
Main Building	Former Chicago Pneumatic Tool Company main manufacturing building
MH-	Manhole number
MW-	Monitoring Well
NELAP	National Environmental Laboratory Accreditation Program
NCT	Northern collection trench
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OCDWPC	Oneida County Department of Water Quality and Water Pollution Control
ODA-	Outdoor air sample

OM&M	Operation, maintenance, and monitoring
PCB	Polychlorinated biphenyl
PEC	Paragon Environmental Company
POC	Point of Contact
Property	Former Chicago Pneumatic Tool Company property at 2200 Bleecker Street in Frankfort, New York
PRR	Periodic Review Report
PSI	Pounds per square inch
PVC	Polyvinyl chloride
RA	Remedial Action
RAF	Remedial Action Facility
RI	Remedial Investigation
RL	Reporting limit
ROD	Record of Decision
SCADA	Supervisory Control and Data Acquisition
SCT	Southern collection trench
Site	Former Chicago Pneumatic Tool Company property at 2200 Bleecker Street in Frankfort, New York
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-slab Depressurization System
SSV-	Sub-slab soil vapor sample
Synapse	Synapse Risk Management LLC
TCE	Trichloroethene
TOGS 1.1.1	NYSDEC Division of Water Technical and Operation Guidance Series (1.1.1)
Trans-1,2-DCE	Trans-1,2-dichloroethene
UHC	Utica Holding Company
VC	Vinyl Chloride
VOC	Volatile Organic Compound
Vontier	Vontier Corporation
VS-	Vacuum Sump

1. INTRODUCTION

This Periodic Review Report (PRR) memorializes the environmental activities performed by ERM Consulting & Engineering, Inc. (ERM) at Site Number 622003—the former Chicago Pneumatic Tool Company, Inc. (CPTC) property at 2200 Bleecker Street in Frankfort, New York (property or site)—from 1 January 2022 through 31 December 2022. The former CPTC property is in the town of Frankfort, Herkimer County, approximately 1 mile east of Utica, New York. Constructed in 1948, the facility formerly operated as a pneumatic tool manufacturing facility. The facility is situated on a 77-acre lot and is in a mixed residential/industrial setting. It is bounded to the north by Bleecker Street, to the south by a wooded marsh and agricultural land, to the west by an unnamed creek that drains the marsh, and to the east by a property fence line bordering Industrial Park Drive (see Figure 1—Site Location Map). The topography of the site is relatively flat, sloping gently to the north.

1.1 Regulatory History

Since the commencement of operations in 1948, hazardous waste was disposed of on-site or migrated to off-site areas. Potential environmental conditions at the property were first identified in a 1985 Phase I Site Assessment. A subsequent site investigation was conducted in July 1990 and the New York State Department of Environmental Conservation (NYSDEC) conducted a Preliminary Site Assessment later that year. Based on the findings presented in these investigation reports, the NYSDEC issued an Administrative Order on Consent in 1993, which mandated further investigation and remediation of impacted areas at the property. Pursuant to this Order on Consent, Blasland Bouck & Lee, Inc. (BBL) submitted a Remedial Investigation (RI) report and a surface water Interim Remedial Measures (IRM) design in 1994 and a supplemental RI / Feasibility Study in 1995. In 1996, the NYSDEC issued a Record of Decision (ROD) for the property and listed the property in the Registry of Inactive Hazardous Waste Sites (Number 622003—Class 2), specifying the Remedial Action (RA) required for the property. The NYSDEC issued a second Administrative Order on Consent in 1997, followed by the Remedial Design and subsequent RA. Upon successful completion and documentation of the RA, the NYSDEC issued a letter indicating that the RA had been approved and that the site had entered the Operation, Maintenance, and Monitoring (OM&M) phase.

1.2 Purpose

This PRR is in conformance with the requirements of the NYSDEC's Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (NYSDEC, DER-10) (May 2010). This document also follows guidelines and reports on actions undertaken with respect to the Final Engineering Report (FER) and site-specific OM&M Manual, both approved by the NYSDEC for this site. The main objectives of this PRR are to complete the following:

- Provide documentation of the site's compliance with the RA and ROD requirements and subsequent Order on Consent;
- Provide an annual update on the performance of any site remedial operations, engineering controls, and site conditions;
- Document any changes or modifications to accepted remedies or monitoring systems;
- Provide recommendations for any modifications, upgrades, or reductions of effort; and
- Memorialize the site activities conduct for public information.

1.3 Report Organization

This report is organized into six sections (as listed below), each addressing a specific physical area/feature and/or regulatory program requirement pertaining to ongoing OM&M at CPTC:

- *Section 1.0: Introduction* discusses the property's regulatory history, this annual report's originations and purpose, and an overview of party contributions and subsequent responsibilities.
- *Section 2.0: Property Background* discusses the current ownership and uses of the property, geology and hydrogeology, and environmental investigations.
- *Section 3.0: Remedial Action Facility* discusses the management of the RA facility (RAF) and leachate collection and disposal.
- *Section 4.0: Groundwater Monitoring* discusses the semiannual groundwater sampling events at the property.
- *Section 5.0: Sub-Slab Depressurization System* discusses the sub-slab depressurization system (SSDS) and the results of the 2022 indoor air and sub-slab soil vapor sampling.
- *Section 6.0: Engineering Controls—Operation, Maintenance, and Monitoring of the Groundwater Treatment System* discusses CPTC's OM&M of the groundwater treatment system (GTS) and State Pollutant Discharge Elimination System (SPDES) Outfall 3000 installed to monitor GTS effluent at the property. Clough, Harbor, and Associates LLP (CHA) manages and monitors the GTS. Section 6.0 of this report is separately authored and certified by CHA on behalf of CPTC.

1.4 Property Management

From 2001 through 2018, Synapse Risk Management LLC (Synapse) managed the administrative and technical site requirements relating to the RA. On behalf of Utica Holding Company (UHC) and Fortive Corporation, ERM of Syracuse, New York assumed responsibility from Synapse in April 2019. In October 2020, ownership of liability was transferred from Fortive Corporation to Vontier Corporation (Vontier). A new point of contact (POC) for Vontier was appointed in the spring of 2022. The NYSDEC was notified of this POC change in January 2022. Appendix A includes the POC correspondence with the NYSDEC.

2. PROPERTY BACKGROUND

The entire site consists of a 77-acre parcel as shown on Figure 1. Located approximately 1 mile east of Utica in Frankfort, New York, the site contains a 458,000-square-foot main building and several unoccupied buildings totaling 570,000 square feet. The site contains a landfill, leachate collection system, and an SSDS as shown on Figure 2—Site Layout Map. Paved access roads and parking areas surrounding the site account for approximately 12 acres. An approximately 35-acre wooded tract at the southern portion of the property remains undeveloped.

2.1 Property Ownership

CPTC occupied the property from 1948 until 1997 for the manufacture of metal pneumatic tools. In the process of manufacturing pneumatic tools, CPTC historically used several process steps including metal plating and metal parts machining, washing, and degreasing. In 1997, Coolidge Utica LLC (Coolidge) took title to the former main manufacturing building (Main Building), land beneath the Main Building, and other improvements. UHC, a subsidiary of Danaher Corporation, owns the land surrounding the Main Building. UHC leased the land surrounding the Main Building (Leased Premises) in 1997 to Utica Land Equities, LLC. As part of a corporate separation of environmental liability in May 2017, Danaher Corporation retained ownership of UHC, but environmental liability was transferred to Fortive Corporation. In November 2009, 2200 Bleecker Street Properties LLC (2200 BSP) acquired fee ownership of the building's improvements and land beneath the Main Building from Coolidge. 2200 BSP is also presumed to represent the controlling interest in Utica Land Equities, LLC as the tenant of the Leased Premises. In December 2020, ownership of liability was transferred from Fortive Corporation to Vontier.

2.2 Summary of Environmental Investigations

A Phase I Environmental Site Assessment, completed in 1985, first identified potential environmental concerns at the site. A site investigation was completed in July 1990 and the NYSDEC completed a Preliminary Site Assessment in the same year. Based on the findings of these reports, the NYSDEC issued an Administrative Order on Consent in 1993, requiring further investigation and remediation of identified impacted areas. BBL completed the RI report and a surface water IRM design in 1994 and a supplemental RI / Feasibility Study in 1995. BBL conducted the RI in three phases between October 1993 and December 1995. The RI used the following methods and activities designed to close data gaps that existed at the time:

- A review of existing information;
- Results from an employee interview program;
- Off-site residential well sampling;
- Installation of soil borings and monitoring wells for analysis of soils and groundwater and physical properties of soil and hydrogeologic conditions;
- Excavation of test pits and trenches to characterize waste and/or contaminated soils;
- Surface water and sediment sampling;
- Soil sampling;
- Groundwater sampling;
- Storm sewer investigation and sampling; and
- Off-site environmental sampling, including surface water and sediment sampling.

Environmental assessments and investigations conducted from 1985 through 1990 identified impacted soil, surface water, and groundwater at the property. These results prompted the NYSDEC to issue an Administrative Order on Consent in 1993. In 1996, the NYSDEC issued the ROD, followed by a second Administrative Order on Consent. This set forth requirements for a Remedial Design and subsequent RA to address the primary contaminants of concern at the site, which included waste coolant oil, chlorinated solvents, and polychlorinated biphenyls (PCBs). Past disposal practices impacted on-site groundwater, prompting the implementation of a long-term OM&M plan. Long-term monitoring of the groundwater and surface water discharges as required by the ROD is ongoing. OM&M activities include continual collection and on-site treatment of overburden groundwater and OM&M of the on-site containment cell, which includes the collection of leachate for proper disposal.

In October 2005, Synapse prepared a Soil Vapor Intrusion Work Plan on behalf of UHC in response to the NYSDEC's 18 July 2005 letter requesting participation in a soil vapor intrusion evaluation. Coolidge, the owner of the Main Building at the time, denied UHC access into the building on 10 November 2005. In response, the NYSDEC issued acknowledgment of the denial of access. The NYSDEC also postponed further review and approval subject to access to the Main Building. Upon the change of ownership to 2200 BSP (November 2009), UHC submitted a revised Vapor Intrusion Work Plan to the NYSDEC that was approved on 26 April 2010. In June 2010, 24 sub-slab soil vapor samples were collected concurrently with four soil vapor and seven indoor air samples. Volatile organic compounds (VOCs) were present in 19 of the 24 sub-slab soil vapor samples collected in the Main Building at concentrations above the concurrent New York State Department of Health (NYSDOH) Soil Vapor / Indoor Air Matrix 1 and/or Matrix 2 mitigation guidance levels. Trichloroethene (TCE) was detected above the concurrent NYSDOH air guidance value of 5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in indoor air.

In December 2011, a sub-slab diagnostic communication-testing program was conducted to determine whether an SSDS would be a viable mitigation strategy to reduce subsurface vapor identified beneath the Main Building sub-slab floor. The results of the sub-slab testing indicated that an SSDS was a feasible mitigation method with permissible horizontal distances for vacuum sumps ranging between 100 and 125 feet.

In August 2013, a building-wide SSDS was installed. The SSDS consists of six individual fans connected to three to six vacuum sumps associated with each fan.

In accordance with an NYSDEC letter dated 14 October 2015, UHC disposed of approximately 398 tons of soil generated by 2200 BSP's unauthorized excavation activities associated with loading dock construction. The soils exceeded 6 New York Codes, Rules, and Regulations Part 375 industrial cleanup objectives for lead, copper, zinc, and PCBs. The soils were disposed of at Seneca Meadows landfill of Waterloo, New York. 2200 BSP knowingly conducted the unauthorized excavation activities in direct violation of the institutional controls and the terms of the ground lease for the Leased Premises by excavating contaminated soil. UHC initiated a cost recovery action for natural resource damages for impacting groundwater through the Herkimer County court system in September 2016 that was resolved in early 2017. The northeast soil pile remains in place and it has yet to be spread and seeded as requested in the 29 March 2017 letter from the NYSDEC.

In May 2017, the NYSDOH revised the Soil Vapor Intrusion Guidance Matrices, which included lowering the values for TCE from $5 \mu\text{g}/\text{m}^3$ to $2 \mu\text{g}/\text{m}^3$. This revision has resulted in indoor air exceedances in the northwest portion of the Main Building. The SSDS was then expanded in the northwest portion of the Main Building in August 2018.

On 7 December 2020, the NYSDEC sent a letter to ERM requesting evaluation of groundwater at the site for the "emerging contaminants" 1,4-Dioxane and per- and polyfluoroalkyl substances. The NYSDEC agreed to ERM's proposal to complete the requested sampling of three existing groundwater wells during the April 2021 semiannual groundwater-sampling event.

In September 2021, ERM completed an indoor air investigation using a FROG™ 4000 portable gas chromatograph with photoionization detection from Defiant Technologies with subsequent air monitoring in November 2021 to further investigate an indoor air exceedance of TCE. The subsequent indoor air monitoring targeted IDA-4R and freshly dry-cleaned lab coats with sample designation IDA-11R-A. IDA-4R had a result of 0.073 µg/m³ and IDA-11R-A had a result of 0.071 µg/m³, both below the NYSDOH Air Guidance Value of 2 µg/m³. IDA-4R continues to be monitored annually. Assessment of preferential pathways in the building slab was conducted 3 March 2022 by an ERM professional engineer for potential areas of concern.

2.3 Summary of Remedial Actions

The RA was completed between May 1998 and December 1999. On 7 March 2000, the NYSDEC issued a letter reclassifying the site from a Class 2 to a Class 4 Inactive Hazardous Waste Disposal Site. A June 2000 SPDES Storm Water Action Plan was prepared and transmitted to the NYSDEC to document the SPDES corrective actions performed at the property and to set forth contingency measures associated with identified SPDES Permit exceedances. On 11 December 2001, the NYSDEC issued a letter approving the FER and OM&M Manual for the property. The letter also stated that CPTC and UHC would retain the separate responsibility for implementing long-term OM&M of the GTS and RAF, respectively, at the site. Remedial activities at the site include the following:

- Remediation involving soil and sediment removal at 14 identified source areas (see Figure 3—Historical Remedial Action Areas).
- Construction of a lined containment cell to store impacted soil and sediment from 12 identified source areas requiring excavation and containment. A perimeter fence surrounds the containment cell and associated leachate collection system and building and access is limited to authorized individuals to conduct OM&M activities. This fenced area is referred to as the RAF.
- Construction of two groundwater collection trenches, which are referred to as the northern collection trench (NCT) and the southern collection trench (SCT). During the RA, the groundwater collection trenches were connected to the existing air stripper that was installed in 1996 as an IRM—currently referred to as the GTS.

2.4 Property Geology and Hydrogeology

The property is located on the southern side of the Mohawk Valley—which is a broad, east to west trending lowland—the floor of which consists of a uniform sequence of laminated, calcareous black shale known as the Utica Shale. South of the property, the land surface rises abruptly off the valley floor, forming a bluff capped by limestone. The Mohawk River is approximately 3,000 feet north of the property. In general, regional dip of the bedrock unit is to the southwest. Regional estimates of depth to bedrock range from 21 to 75 feet.

Subsurface soils at the property were described during installation of monitoring wells, soil borings, test pits, and excavations performed during investigations and RAs conducted primarily between 1988 and 1999. The unconsolidated subsurface soils are composed of varying consistencies of sand, silt, and clay. Some of the soils have been reworked to varying depths across the property by historical facility activity. These soils are classified as fill material. The depth of the unconsolidated natural material across the property ranges from 3 to 12 feet below grade. A till layer was identified below the unconsolidated material and ranges in thickness from 12 to 24 feet. The till deposits are described as over-consolidated, dark gray silt and clay that slopes gradually toward the north-northwest.

The regional groundwater flow is northeast toward the Mohawk River. Two distinct hydrogeologic units, separated by a semi-confining till unit, are present at the property. The first water-bearing unit is the

unconsolidated overburden material (sand, silt, clay). Groundwater is generally encountered in the overburden at the property at 5 feet below ground surface. Weathered shale bedrock is the second water-bearing unit, reportedly identified between 23 and 30 feet below ground surface.

2.5 Property Drainage and Outfalls

Drainage occurs through existing ditches located at the east and west portions of the property. The west unnamed creek flows from the south through a wooded area and runs along the western extent of the property, exiting at the northwest corner of the property. The west unnamed creek drainage contribution primarily consists of roof leaders conveyed via the northern and southwestern storm water systems emanating from the Main Building and owned by 2200 BSP. Surface water runoff from the western parking lot and surface water runoff from a southern agricultural area also contribute to the west unnamed creek. The southwestern and northern storm water systems were previously monitored from 2200 BSP's storm water manholes identified as SPDES Outfall 001 and Outfall 002, respectively. Prior to 2003, the west unnamed creek would occasionally flood in the spring and fall, primarily due to restrictions in an off-site Herkimer County storm water conveyance system. Herkimer County installed a new culvert in 2003 across Bleecker Street and daylighting approximately 300 feet to the north of Bleecker Street. This drainage improvement has continued to limit flooding of Bleecker Street by the west unnamed creek.

UHC was the permittee on the SPDES permit associated with four outfalls located on the property; the outfalls are currently the responsibility of 2200 BSP. UHC does not own, control, or operate the GTS as CPTC maintains responsibility for the GTS and associated SPDES permit for one outfall which is discussed in Section 6.

Two east to west oriented surface water drainage ditches originate from the mid-portion of the property, south of the 2200 BSP's Main Building, and converge to form one south to north ditch along the eastern portion of the property. This east drainage ditch joins a road ditch located parallel to Bleecker Street. Treated effluent from the GTS discharges to the east drainage ditch via the CPTC SPDES Outfall 03A. Permitted and constructed in April 2010, the former SPDES Outfall 03B manually discharges on a quarterly basis to the former Area 6 ditch. UHC closed Outfall 03B in April 2013, redirecting the leachate from the RAF containment cell to the 5,000-gallon storage tank. The east drainage ditch also receives storm water from roof leaders connected to the southeastern storm water system and RAF surface drainage and surface water from the eastern parking lots. The former SPDES Outfall 003 is located near the northern end of the eastern drainage ditch prior to joining a drainage ditch parallel to Bleecker Street, ultimately discharging off-site via a culvert under Bleecker Street. UHC has not been notified by the NYSDEC or by 2200 BSP regarding the status of 2200 BSP's SPDES permit application to obtain coverage for the three discharge locations emanating from 2200 BSP's Main Building.

2.6 Summary of Current Operations

The northern portion of the property continued to be used for commercial purposes during 2022 and the southern portion of the property remains wooded and undeveloped. Commercial tenants occupy approximately 85 percent of 2200 BSP's Main Building and continue to use the surrounding access roads and parking lots. One tenant (United Civil) has been replaced with a new tenant (Indium) who has taken the vacated space. There was one round of air sampling that occurred in March 2022. Groundwater sampling was done twice in 2022, in April and October. The property and engineering controls are inspected once per month, at a minimum, for review of exterior building activities and review of the property condition and control performance.

3. REMEDIAL ACTION FACILITY

The RAF is situated on the eastern portion of the property within a fenced area encompassing approximately 3.8 acres. ERM conducted the 2022 OM&M activities associated with the RAF in accordance with the guidelines set forth in the NYSDEC-approved OM&M Manual dated April 2001. Inspection reports provide monthly documentation of the site inspection events and any adjustments made to components associated with the RAF. The routine monthly inspection generally includes maintenance activities set forth in the OM&M Manual, if required.

The operational components and engineering controls associated with the RAF include fences, roads, drainage ditches, the containment cell, leachate collection, and monitoring systems (see Figure 4—Remedial Action Facility Plan). The primary function of the RAF is the containment of placed soils and sediment along with the collection, storage, and subsequent disposal of leachate generated from the containment cell.

3.1 Construction

An 8-foot-high, barbed wire, chain link fence surrounds the RAF with access gates to the north and west, with primary access being via the western gate. The following components generally compose the RAF:

- **Containment Cell:** In 1999, construction of a 1.4-acre containment cell was completed to store 16,117 cubic yards of impacted soil and sediment generated during the RA. The containment cell was lined with a single composite liner system and a composite cap was placed over the impacted soil and sediment. Two gas vents and a leachate collection pipe are also components of the containment cell. A series of ditches were installed around the containment cell to collect surface water runoff and to direct storm water away from the containment cell and to the north and south drainage ditch described in Section 2.5. A gravel service road surrounds the perimeter of the containment cell, allowing vehicle access to conduct inspection and maintenance.
- **Leachate Collection System:** A leachate collection system includes a collection pipe that extends the length of the containment cell and connects to the leachate collection manhole (LCM), which is installed adjacent to the western side of the containment cell. The LCM is equipped with two pumps to transfer leachate to a storage tank prior to disposal. All components of the leachate collection system are double contained with monitoring systems. The collection pipe surfaces at the east end of the containment cell to provide access for cleaning as needed.
- **Leachate Storage System:** The leachate is managed by batch collection, then discharged to the publicly owned treatment works, following the receipt of analytical data and approval by the Oneida County Department of Water Quality and Water Pollution Control (OCDWPC) pursuant to Groundwater Remediation Discharge Permit Number 050 (GW-050).
- **RAF Building:** A 1,278-square-foot building constructed of a steel frame and siding on a concrete slab foundation is used to house the leachate collection tank and truck pad. Additionally, the building enclosure has a heated office area for maintaining OM&M records, the communication components, electrical service panels, and a storage area for tools, supplies, and equipment known as the office/storage area. The building is west of the containment cell and LCM.

3.2 Operations and Inspections

The RAF and associated components are visually inspected and conditions are documented on a monthly basis. Operations were also monitored via telecommunication with the RAF auto dialer system that has operated from November 1998 to present. A Supervisory Control and Data Acquisition (SCADA)

3000 unit monitors the RAF components and the SSDS components. Site visits and subsequent site inspection reports included the following components associated with the RAF:

- General property access and drainage;
- Cell perimeter components;
- Containment cell;
- LCM;
- Building structure, electrical, telephone, and auto dialer controls; and
- Leachate Storage System.

ERM reviewed the cell perimeter road and facility access road during the monthly inspections. The immediate surface drain ways were inspected to confirm that ponding or erosion does not occur from runoff. Standing water was observed in drainage ditches after snow and rain events, but it was not persistent. ERM accessed and viewed the property ditches and culverts during the inspection for the same purpose. The RAF perimeter fence was also inspected and confirmed secure and the facility overhead utilities were viewed and tested in the building, as needed.

Inspection of the containment cell included viewing the cell from the perimeter road and traversing its surface. Components viewed as part of the inspection included the four perimeter drains, the two passive gas vents, and the containment cell cleanout pipe. ERM checked these components for functionality, which also included occasional screening of the passive gas vents for VOCs. ERM noted no deficiencies with any of these components during 2022. The surface of the cell was inspected for stressed vegetation, burrows, erosion, and settlement. Several animal burrows were noted and backfilled. No other deficiencies were recorded. Appendix B includes the site inspection reports.

Operation of the LCM involves structural, electrical, pumping, and alarm components. Each inspection required checking the manhole control panel and recording running hours of the two pumps. Additionally, the inspection included testing the operation of each pump, opening the manhole, and conducting a visual inspection of its components. SPDES Outfall 03B was permitted and constructed in April 2010 and was operated to conduct discharges. Following the reconnection of the leachate collection/storage system, the use of SPDES Outfall 03B was discontinued in April 2013.

ERM examined the RAF building for variations in the structural, security, electrical, and telephone systems and assessed the condition of the heat and vent systems. Located in the RAF building, the SCADA 3000 provides continuous monitoring information of the LCM and the leachate storage tank. This system is checked monthly for proper function. In the event of an alarm condition, the SCADA 3000 auto dialer system alerts designated ERM personnel. Appendix C includes a table detailing the auto dialer alarms that occurred in 2022. This table provides documentation of alarm conditions received and of testing during the 2022 calendar year. As required, ERM performed an annual total system check over a three-day period between 8 November and 10 November 2022.

3.3 Maintenance

General maintenance requirements of the RAF are detailed in the April 2001 OM&M Manual, which provides inspection criteria, forms, guidance, and procedures to perform scheduled maintenance requirements and contingency plans for unscheduled maintenance. The August 2001 FER generally supports and cross-references the OM&M procedures and protocols.

Scheduled Maintenance

The following inspections were conducted during the 2022 calendar year for the scheduled maintenance activities associated with the RAF and site components:

- The RAF building (SCADA program diagnostic/communication response);
- The containment cell (vegetation management and mowing); and
- Drainage ditches (monthly inspection).

Unscheduled Maintenance

The following unscheduled maintenance activity was conducted during the 2022 calendar year for the associated RAF and site components:

- Repair to landfill soil cap from animal burrows.

Animal burrows in the soil cap above the liner were identified several times during 2022. Replacement of the excavated material back into the burrowed holes was completed on 4 April, 12 May, and 10 September 2022. According to the Remedial Action As-Built Drawings (SECOR 1999), 6 inches of topsoil and 12 inches of “protective soil” are present above the uppermost geotextile layer. All impacts and repairs to date have occurred in the top 6 to 12 inches of this protective soil and the geotextile has not been visible to date.

3.4 Leachate Collection

The leachate generated from the containment cell is collected, conveyed, and stored in a 5,000-gallon storage tank located in the western portion of the RAF. The leachate generated from the containment cell is drained via gravity flow to a perforated 6-inch, high-density polyethylene pipe located along the bottom of the containment cell, just above the liner. The leachate collection pipe passes through the western perimeter berm and discharges into the double-walled LCM. The portion of the leachate collection pipe between the containment cell and LCM is equipped with double-walled piping that provides secondary containment outside the containment cell. The collected leachate within the manhole is then pumped, by one of the two redundant pumps, to the storage tank via a double-walled pipe (see Figure 5—Building, Tank, Piping Plan).

Leachate generation/collection can be monitored through two methods—measuring the fill height in the LCM and by locally reading the flow totalizer. The operation of this unit, associated with the leachate collection system, is discussed in the OM&M Manual. All of the eight programmed Intelligent System for Automatic Control and Communication channels were connected and synced with the SCADA 3000 system in December 2016 to continue the tracking of tank-filling events and other tank parameters (e.g., water level in the tank, temperature).

An inline flow totalizer that is read locally previously tracked the leachate generation rate and readings were recorded during the monthly inspections. A total of 906.5 gallons were collected in the leachate tank during 2022 (see Figure 6—Cumulative Leachate Generation), equaling an average flow of approximately 2.46 gallons per day. The 2022 leachate production is a continuation of a decreasing trend (see Figure 7—Leachate Generation per Year).

3.5 Leachate Disposal

Leachate is currently contained in an on-site, 5,000-gallon aboveground storage tank with a steel secondary containment sized to contain 110 percent of the tank volume. The leachate requires laboratory analysis prior to bulk batch disposal to the local sanitary sewer system. Scheduling of the sampling

events and subsequent disposal was based on tank level data monitored by the SCADA system and noted during ERM's RAF inspections. The sanitary system (under GW-050 issued by the OCDWPC) collects the leachate disposal. The discharge permit was renewed on 23 July 2019 and remains current with the OCDWPC through 2024.

When the SCADA 3000 system was installed in November 2013, the system was configured to monitor both the leachate collection system and the leachate generated by providing the actual height of the liquid level in the tank. The system provides telephone notification to ERM when the tank is 90 percent full; the system's failsafe also stops the pumps if the tank is indicated to be 90 percent full.

Sampling and disposal of leachate was neither justified nor conducted during 2022 due to limited flow and insufficient leachate volume in the leachate storage tank. Note that in previous years, Appendix D contained analytical data associated with leachate disposal. As noted above, there was no discharge in 2022 and, therefore, it contains a "no discharge" notification. Following this notification letter, subsequent semiannual no discharge notifications have been made by phone.

3.5.1 Historical Analytical Results

The leachate quality has been acceptable to date for discharge to the OCDWPC via an on-site sanitary sewer. The current acceptance criteria for discharge to the sanitary sewer, as set forth in GW-050, are as follows in the table below.

Table 1: Sanitary Sewer Compliance Levels

Sanitary Sewer Compliance Levels

Analytical Requirements		Compliance Levels
TTO:	VOC - USEPA Method 624	*
	SVOC - USEPA Method 625	*
	Pesticides - USEPA Method 608	2.0 mg/L (ppm)
Metals:	Cadmium - USEPA Method 200.7	1.0 mg/L (ppm)
	Chromium - USEPA Method 200.7	5.0 mg/L (ppm)
	Copper - USEPA Method 200.7	3.0 mg/L (ppm)
	Lead - USEPA Method 200.7	5.0 mg/L (ppm)
	Nickel - USEPA Method 200.7	2.0 mg/L (ppm)
	Zinc - USEPA Method 200.7	4.0 mg/L (ppm)
PCBs:	Per Aroclor - USEPA Method 608	0.065 ug/L (ppb)
Oil and Grease:	USEPA Method 1664	100 mg/L (ppm)

Notes:

* TTO = Total Toxic Organics; the sum of methods of 624, 625, and 608 (pesticides only).
VOCs = Volatile Organic Compounds.
SVOCs = Semivolatile Organic Compounds.
PCBs = Polychlorinated Biphenyls.
mg/L = Milligrams per liter (mg/L).
ppm = Parts per million.
ug/L = Micrograms per liter (ug/L).
ppb = Parts per billion.

Source: O&M Manual (SECOR 2001).

Leachate analytical results collected by ERM to date demonstrate that the leachate has been acceptable for disposal to the local wastewater treatment plant, OCDWPC, Oneida County Sewer District. This requires a discharge permit, executed by the Commissioner, and requires semiannual reporting including no discharge notification.

If a sampling event indicated that a leachate exceeded a particular compliance level, the leachate would be resampled and tested for the exceeded compound. Should this concur with the first result, the Engineer would be required to make alternative arrangements for disposal. However, as stated in Section 3.5, disposal of leachate did not occur during 2022.

3.6 Summary

During 2022, ERM routinely inspected the RAF according to the OM&M plan. No major deficiencies were identified during 2022 and all the systems were operating as designed. ERM repaired holes from burrowing animals in the landfill soil cap. Last year, ERM recommended a replacement of the leachate collection totalizer; however, due to supply issues, the manufacturer of the unit does not have a replacement available at this time.

4. GROUNDWATER MONITORING

This section presents the results of the semiannual groundwater monitoring events conducted at CPTC in 2022. The property OM&M Manual details the procedures followed during groundwater monitoring. The FER provides the procedures followed during the implementation of the RA that adjusted the groundwater monitoring program, which included monitoring well decommission and installation of a new monitoring well. The subsections that follow review the construction, monitoring, sampling, and data evaluation as part of the groundwater-monitoring program and include specific tables and figures. The summary section provides observations, conclusions, and recommendations.

4.1 Monitoring Well Construction

The monitoring well network currently consists of five monitoring wells designated as Monitoring Well (MW-) 6R, MW-13A, MW-14A, MW-17, and MW-18. The monitoring wells are located to provide groundwater quality data for site-specific RA areas and to monitor the performance of the GTS, including hydraulic control and contaminant removal as further discussed in Section 6.

The monitoring wells consist of 2-inch-diameter polyvinyl chloride (PVC) risers and 10-foot lengths of 0.010-inch slotted PVC screen. The well screens were installed to straddle the groundwater table within the overburden soils above the glacial till. Shallow groundwater flow is generally from the south to the north across the property. Figure 2 shows the locations of the monitoring wells. The detailed descriptions of the monitoring well locations and their hydraulic considerations are as follows:

- MW-6R is located hydraulically downgradient of the eastern portion of the property;
- MW-13A is located hydraulically cross gradient (east) of former RA Areas 5, 7, 8, 13, and 14A and the RAF;
- MW-14A is located at the southeastern corner of the property, hydraulically upgradient of all former RA areas and the RAF;
- MW-17 is located hydraulically downgradient of the NCT; and
- MW-18 is located hydraulically downgradient of the former RA Areas 6, 7, 8, 9, and 10 and hydraulically upgradient of the SCT.

4.2 Groundwater Elevation Measurement

ERM measured the groundwater level elevations from the aforementioned monitoring wells on 4 April 2022 and 4 October 2022 as part of the semiannual groundwater-monitoring program, which typically occurs during April and October of each year. ERM measured monitoring well groundwater levels from a designated reference point at the top of the PVC well riser using the procedures outlined in the OM&M Manual. The groundwater levels were measured on the same day, prior to low-flow groundwater sampling activities. The groundwater level measurements were converted to elevations (see Figure 8—April 2022 Groundwater Contour Map and Figure 9—October 2022 Groundwater Contour Map) based on as-built survey information. Groundwater elevation contours are consistent with previous groundwater sampling events, indicating northerly groundwater flow toward the Mohawk River.

4.3 Groundwater Sampling

Groundwater samples were obtained during two semiannual groundwater-monitoring events conducted on 4 April 2022 and 4 October 2022. ERM collected groundwater samples from each of the monitoring wells.

ERM collected groundwater samples using low-flow purging and sampling techniques as outlined in the United States Environmental Protection Agency's guidance after the field indicator parameters stabilized to within the acceptable tolerances. Appendix E includes groundwater sampling documentation. Groundwater field parameters were obtained from each monitoring well just prior to sampling and included groundwater levels, pH, conductivity, dissolved oxygen, turbidity, oxidation-reduction potential, and temperature. Following parameter stabilization, ERM collected the groundwater samples prior to the inlet of the flow-through-cell. ERM collected groundwater samples directly from the pump tubing into the appropriate sample containers with the appropriate sample preservative for each analysis, which were supplied by the analytical laboratory. The purged groundwater was containerized and transferred to the on-site LCM for discharge with the leachate disposal.

Each groundwater sample was placed directly into laboratory-provided containers, labeled, logged on a chain of custody document, and stored on ice in an insulated cooler pending delivery to the laboratory for analysis. ERM collected quality assurance / quality control groundwater samples at a frequency described below.

The groundwater samples were submitted for laboratory analysis for site-specific VOCs, PCBs, and select metals. ERM compared analytical results for VOCs, PCBs, and metals to standards presented in the NYSDEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1) of June 1998.

4.3.1 Trip Blanks

A trip blank was included on events/days when aqueous samples were delivered to the laboratory for VOC analysis. A trip blank is an aliquot of analyte-free water, sealed in a 40-milliliter glass vial with a Teflon-lined septum cap prepared by the laboratory prior to initiation of fieldwork. The sealed vials were prepared by the laboratory and included with each shipment of sample bottles for aqueous media sampling at the property. The trip blank may determine if contamination of the samples has occurred during shipment or delivery.

4.3.2 Duplicate Samples

Duplicate samples were collected and analyzed to evaluate the reproducibility of the sampling and analytical techniques used. ERM collected one duplicate (DUP) sample (FF-DUP[04042022]) from MW-17 for the site-specific parameters during the sampling event of April 2022 and one duplicate sample (FF-DUP[10042022]) from MW-17 during the October 2022 sampling event. Groundwater from the selected monitoring well was collected sequentially as close together as possible for the primary sample and the duplicate sample and then the samples were labeled, logged on the chain of custody, and submitted to the laboratory.

4.3.3 Matrix Spike and Matrix Spike Duplicate Samples

ERM collected matrix spike and matrix spike duplicate samples to measure the accuracy of organic analyte recovery from the sample matrices. For organic constituents and metals, one matrix spike and one matrix spike duplicate sample were analyzed for each sampling event.

The samples collected in April and October 2022 were submitted to Alpha Analytical of Westborough, Massachusetts.

4.4 Groundwater Analytical Results

The analytical results from the semiannual groundwater sampling events, as compared to the TOGS 1.1.1, are presented in the subsequent summary tables. Table 2—Groundwater Analytical Summary—April 2022 and Table 3—Groundwater Analytical Summary—October 2022 depict Groundwater Analytical

Summaries for the April 2022 and October 2022 sampling events, respectively. Beginning with the 2014 PRR and at the request of the NYSDEC, a time trend analysis table has been prepared for MW-18 to observe trends associated with the compound vinyl chloride (VC) as depicted in Table 4—Historical Groundwater Results—MW-18. Review of Table 4 demonstrates a seasonal variation of VC concentrations between the spring and fall sampling events. The VC concentrations are considered stable and suggest continued natural attenuation of chlorinated VOCs in groundwater in this upgradient location of the property. The SCT provides hydraulic control in this area of the property and collects and directs groundwater to Pumping Manhole Number (MH-1) for treatment by the GTS using air stripping technology. Historical summaries for MW-6R, MW-13A, MW-14A, and MW-17 are included in Tables 5 through 8, respectively.

Table 9: Summary of Groundwater Analytical Data

	<u>MW-6R</u>	<u>MW-13A</u>	<u>MW-14A</u>	<u>MW-17</u>	<u>MW-18</u>
Historical Groundwater Results	Located in Table 5	Located in Table 6	Located in Table 7	Located in Table 8	Located in Table 4
Comments	VOCs and PCBs have not historically been detected at concentrations above their respective reporting limits (RLs) and all other detections have been below TOGS 1.1.1 guidance values.	VOCs and PCBs have not historically been detected at concentrations above their respective RL and all other detections have been below TOGS 1.1.1 guidance values.	PCBs exceeded TOGS 1.1.1 in April 2021 for the first time. The 2022 samples were both below TOGS 1.1.1.	PCBs have not historically been detected at concentrations above their respective RL and metals have been below NYSDEC guidance values. The VOCs TCE and cis-1,2-dichloroethene (cis-1,2-DCE) remain above TOGS 1.1.1 guidance.	PCBs have historically been below their respective RL, metals have been below the TOGS 1.1.1 guidance value since 1999, and VC continues to be above the TOGS 1.1.1 guidance value.

4.5 Summary

The results of the groundwater elevation measurements obtained during the 2022 sampling events indicated that the overburden groundwater flow was generally to the north. The operation of the GTS influences the groundwater flow direction in the vicinity of the NCT and the SCT, as designed.

The groundwater quality from both 2022 groundwater sampling events is generally consistent with historical data. VC has routinely been detected at MW-18 at levels above the ambient groundwater quality standards and it continually suggests the degradation of chlorinated VOCs in groundwater at the site. As MW-18 is upgradient of the groundwater depression created by the SCT, the groundwater monitored at MW-18 is captured, collected, and treated via the GTS. Figure 10—Groundwater Exceedance Map shows locations and values of NYSDEC groundwater guidance exceedances. Appendix F provides groundwater analytical data.

5. SUB-SLAB DEPRESSURIZATION SYSTEM

An SSDS was installed in the building in fall 2013 / spring 2014 and expanded in summer 2018. The initial SSDS building-wide design was based on the findings of the Interim Vapor Mitigation investigation (Synapse 2012) of the Main Building. The 2012 investigation concluded that the radius of influence of each extraction point was 50 to 65 feet and that a horizontal spacing of 100 to 125 feet would provide converging vacuum fields underneath the Main Building. The initial phase of the SSDS, as designed, consisted of 19 vacuum sumps (Vacuum Sump VS-1 through VS-19) connected to six individual roof-mounted fans (see Figure 11—Building Sub-Slab Depressurization System Location Plan). In August 2018, an additional 10 vacuum sumps (VS-20 through VS-29) were installed in the western portion of the Main Building. These were added due to indoor air TCE concentrations at indoor air sample (IDA-) 5 and IDA-6 being above the new NYSDOH limit of 2 micrograms per liter ($\mu\text{g/L}$; subsequently lowered to 1 $\mu\text{g/L}$ in 2017). The 10 vacuum sumps were connected to two existing fans, providing a total of 29 vacuum sumps and six individual roof-mounted fans for the building.

The SSDS controls consist of 120-volt alternating current to 24-volt direct current vacuum monitoring panels with relays to monitor incoming current. Three 240-volt, single-phase electric panels are installed adjacent to an existing electrical service in the east area, the west area, and a north central area of the building. In September 2018, a new sub-panel was installed for the west area electrical service. A meter on each electrical panel continuously monitors the electrical usage and a Sensaphone SCADA 3000 Remote Terminal Unit individually monitors, in real time, the SSDS's six OBAR fans. The SCADA 3000 monitors the SSDS 24 hours per day through receivers mounted on the RAF building that receive continuous wireless signals from the transmitters mounted on each fan. In the event that a fan or vacuum loses power, the SCADA 3000 initiates an alarm that notifies ERM personnel via telephone. Figure 12—Vacuum Sump and Roof Mounting Layout shows the SSDS layout including vacuum sump, roof mounting, and fan locations.

The vertical and horizontal PVC piping runs, including elbows, and fittings consist of approximately 2,200 linear feet. The horizontal pipe runs are installed with a minimum slope returning to the vacuum sumps of 1 inch per 20 feet to return any condensation vapor to the vacuum sumps. The horizontal pipe runs are supported with pipe hangers within 2 feet of couplings with a maximum hanger spacing of 10 feet in accordance with New York State Plumbing Code. A foam backer rod with polyurethane, self-leveling caulk seals each vacuum sump. The floor penetrations of the vacuum sumps were allowed to cure sufficiently according to manufacturer specifications prior to activation of the system. In addition to the remote monitoring of vacuum levels, the SSDS has 5 magnehelic gauges with 0 to 20 inches of water column (IWC) range installed at eye level to allow for viewing during routine inspections. A ball valve was installed at VS-17 to balance the branch vacuum and to reduce the opportunity for water encountered at VS-17 from reaching Fan Number 1. Ball valves were installed on VS-4, VS-9, VS-10, and VS-11 during the annual total systems check on 8 November 2022 to provide preferential coverage from Fans 3, 4, and 5.

ERM viewed and inspected the SSDS on a monthly basis to confirm performance (see Appendix B—2022 Site Inspection Forms). Field vacuum readings were recorded to quantify the operation and performance of the SSDS. Vacuum sample points that were readily accessible were measured seven times in 2022 (see Figure 13—Vacuum Map—January and December 2022). Additional data from these vacuum measurement events and additional measurements from March, May, and August 2022 are included in Appendix B. Some sample points were not measured due to limited accessibility from manufacturing and warehousing operations or because points were missing or damaged by tenants. Vacuum sample points measured during the March 2022 sampling event had a majority of pressure readings within the recommended depressurization range of -0.016 to -0.040 IWC (USEPA 2008). Some variability of vacuum existed beneath the slab, particularly at Sub-Slab Soil Vapor Sample (SSV-) 07,

which ranged from -0.610 to -0.736 IWC. Vacuum was also variable at SSV-07 during other SSDS inspections, ranging from negative to positive values. The reason for the positive readings at this location is unknown and more frequent data will be collected in 2022 to monitor this condition. All other locations maintained vacuum except SSV-05, which was neutral during January and March 2022. The measurements show that the suction at each individual point does vary somewhat, partially depending on the elevation of the water table relative to the building slab. Overall, the vast majority of the measurements indicate that the SSDS is performing as designed and effectively covering the whole building. Further, the indoor air sampling results discussed in Section 5.1 do not indicate any impacts on indoor air quality associated with SSV-07 or this zone of the SSDS network. Additional efforts to monitor vacuum at all monitoring points will be made in future monitoring events. This will allow for a better understanding of the vacuum changes over time including variability due to the regional water table.

The Auto Dialer Alarm Incident and Testing Report provides documentation of testing and alarm conditions received during the 2022 calendar year. ERM performed an annual total system check on 8 November 2022. A total of 41 events inclusive of SSDS alarms have been received from SCADA callouts or field observations during this calendar year, as described below.

- On 03 January 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 3 January 2022 and observed that all were running.
- On 20 January 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 21 January 2022 and observed that all were running.
- On 29 January 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 31 January 2022 and observed that all were running.
- On 2 February 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 4 February 2022 and observed that all were running.
- On 21 February 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 22 February 2022 and observed that all were running.
- On 27 February 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 1 March 2022 and observed that all were running.
- On 9 March 2022, SCADA initiated an alarm associated with Fans Number 1, 2, and 4 not functioning. ERM checked fans on 10 March 2022 and observed that all were running.
- On 9 March 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 10 March 2022 and observed that all were running.
- On 15 March 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 16 March 2022 and observed that all were running.
- On 19 April 2022, SCADA initiated an alarm associated with Fan Number 6, which was confirmed as running on 20 April 2022.
- On 24 April 2022, SCADA initiated an alarm associated with Fans Number 1, 2, 4, and 6 not functioning. ERM checked fans on 27 April 2022 and observed that all were running.
- On 27 April 2022, SCADA initiated an alarm associated with Fans Number 2, 4, and 6 not functioning. ERM checked fans on 27 April 2022 and observed that all were running.
- On 12 May 2022, SCADA initiated an alarm associated with Fans Number 4 and 6 not functioning. ERM checked fans on 13 May 2022 and observed that all were running.

- On 22 May 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 23 May 2022 and observed that all were running.
- On 27 May 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 27 May 2022 and observed that all were running.
- On 31 May 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 31 May 2022 and observed that all were running.
- On 7 June 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 8 June 2022 and observed that all were running.
- On 8 June 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 9 June 2022 and observed that all were running.
- On 16 June 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 16 June 2022 and observed that all were running.
- On 24 June 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 27 June 2022 and observed that all were running.
- On 30 June 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 1 July 2022 and observed that all were running.
- On 21 July 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 22 July 2022 and observed that all were running.
- On 3 August 2022, SCADA initiated an alarm that Fan Number 5 was nonfunctioning. ERM checked fans on 3 August 2022 and observed that all were running.
- On 18 August 2022, SCADA initiated an alarm associated with Fans Number 1, 2, and 4 not functioning. ERM checked fans on 18 August 2022 and observed that all were running.
- On 24 August 2022, SCADA initiated an alarm that Fan Number 3 was nonfunctioning. ERM checked fans on 25 August 2022 and observed that all were running.
- On 21 September 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 22 September 2022 and observed that all were running.
- On 29 September 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 30 September 2022 and observed that all were running.
- On 30 September 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 3 October 2022 and observed that all were running.
- On 2 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 3 October 2022 and observed that all were running.
- On 3 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 4 October 2022 and observed that all were running.
- On 4 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 5 October 2022 and observed that all were running.
- On 5 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 6 October 2022 and observed that all were running.
- On 6 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 7 October 2022 and observed that all were running.

- On 13 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 14 October 2022 and observed that all were running.
- On 17 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 17 October 2022 and observed that all were running.
- On 24 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 26 October 2022 and observed that all were running.
- On 31 October 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 1 November 2022 and observed that all were running.
- On 5 November 2022, SCADA initiated an alarm that Fan Number 6 was nonfunctioning. ERM checked fans on 8 November 2022 and observed that all were running.
- On 8 December 2022, SCADA initiated an alarm that Fan Number 5 was nonfunctioning. ERM checked fans on 8 December 2022 and observed that all were running.
- On 9 December 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 9 December 2022 and observed that all were running.
- On 10 December 2022, SCADA initiated an alarm that Fan Number 4 was nonfunctioning. ERM checked fans on 12 December 2022 and observed that all were running.
- On 30 December 2022, SCADA initiated an alarm that an unspecified Fan was nonfunctioning. ERM checked fans on 30 December 2022 and observed that all were running.

5.1 Indoor Air Sampling and Sub-Slab Soil Vapor Sampling

Indoor air and sub-slab soil vapor samples were collected concurrently during the annual sampling event in March 2022, in addition to one outdoor, upwind, background sample (Outdoor Air Sample [ODA-] 03). The purpose of the sampling was to evaluate the performance of the SSDS and develop trends for sub-slab vapor and indoor air. All samples were collected in accordance with the guidance set forth in the Soil Vapor Work Plan (Synapse 2010) and Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006). All indoor air samples were selected to be representative of a worker's breathing zone. The outdoor air sample location was selected to evaluate upwind VOC concentrations. Previously, very few collocated soil vapor and indoor air samples had been collected and this limited the ability to use the NYSDOH's air guidance and matrices. Therefore, beginning in 2019, ERM used new indoor air designations for samples, indicated by an "R" for *replacement* of the historical locations that were not collocated with a soil vapor sampling point.

ERM collected the indoor air, outdoor air, and the sub-slab soil vapor samples using 6-liter Summa[®] canisters with a flow controller calibrated for a 24-hour sample duration and batch certified as clean by the laboratory. After sample collection, all samples were packaged and shipped via courier service to Alpha Analytical of Westborough, Massachusetts. The indoor air, outdoor air, and the sub-slab soil vapor samples were analyzed in accordance with United States Environmental Protection Agency Method TO-15.

In addition, to satisfy a request from the NYSDEC and the NYSDOH regarding indoor air TCE concentrations observed at IDA-2R during 2020, ERM drafted and implemented an Indoor Air Investigation Work Plan communicated to the NYSDEC on 14 June 2021 (see Appendix H—2021 Indoor Air Work Plan). In consultation with the NYSDEC based on the indoor air results at IDA-4R, ERM and Vontier proposed adding this location to the requested indoor air investigation.

5.1.1 Summary of 2022 Results

In March 2022 ERM collected a total of 12 indoor air samples (IDA-1, IDA-2R, IDA-3R, IDA-4R [and DUP], IDA-5R, IDA-6, IDA-7R, IDA-9R, IDA-10R, IDA-11R, and IDA-11R-A) and ODA-03 concurrently with 10 permanent sub-slab soil vapor samples (SSV-05, SSV-11, SSV-14R, SSV-15, SSV-21, SSV-24, SSV-25, SSV-26, SSV-27, and SSV-28). Figure 14—2022 Air Sampling—TCE shows sample locations. VOCs were not detected in the indoor air samples at concentrations above NYSDOH Air Guidance Values, with one exception (see Table 8—Air Sampling Analytical Summary—March 2022). TCE was detected at IDA-2R at $4.40 \mu\text{g}/\text{m}^3$, which is above the NYSDOH Air Guidance Value of $2 \mu\text{g}/\text{m}^3$ (see Table 10—Air Sampling Analytical Summary—March 2022). This is discussed further in the next section.

During the March sampling event, the sub-slab vapor samples had results ranged from non-detect to $281,000 \mu\text{g}/\text{m}^3$. Six of the 10 sub-slab vapor samples had results above the NYSDEC Air Guidance Value for TCE. Sub-slab soil vapor samples SSV-05, SSV-15, SSV-21, SSV-24, SSV-25, and SSV-26 all exceeded the NYSDOH Air Guidance Value for TCE (see Table 8). Sample SSV-05 had the lowest exceedance with a concentration of $1.83 \mu\text{g}/\text{m}^3$ and SSV-25 had the highest results at $281,000 \mu\text{g}/\text{m}^3$. SSV-25 also had an exceedance result for PCE at $147 \mu\text{g}/\text{m}^3$, which has a NYSDOH Air Guidance Value of $30.0 \mu\text{g}/\text{m}^3$. ODA-03 was collected concurrently, upwind of the facility, and had no detection above the NYSDOH Air Guidance Value.

ERM notified the owner of the Main Building via phone call following receipt of analytical results at IDA-2R and following consultation with Vontier. Notification was subsequently memorialized in a memorandum dated 15 June 2022.

5.2 Discussion and Conclusions

Indoor Air Quality

During March 2022, VOCs were not detected in indoor air at concentrations above or near NYSDOH Air Guidance Values, except at IDA-2R where TCE was detected at $4.40 \mu\text{g}/\text{m}^3$ (see Table 10). The building is divided into separate tenant spaces (as shown in Figure 15—SVI Sample Locations and Main Building Divisions, with sampling locations indicated). Although ERM conducted an extensive review of chemicals stored or present on-site, a specific source of TCE was not identified during the sampling inventory (see Appendix I—NYSDEC Questionnaire and Building Inventory Forms).

The TCE concentration in sub-slab soil gas at this location was similar to indoor air resulting in an attenuation factor (i.e., ratio of indoor air to sub-slab soil gas) of 0.004. An attenuation factor of greater than 0.03 usually indicates an indoor source of TCE rather than vapor intrusion through the floor slab (USEPA 2014). TCE was not specifically listed as an ingredient in any of the products identified in the area, Figure 16—Indoor Air Time Series Plots shows time series plots of historical and current indoor air data for all points monitored.

Sub-Slab Soil Vapor

During March 2022, VOCs were detected in six of the 10 sub-slab soil vapor samples (SSV-05, SSV-15, SSV-21, SSV-24, SSV-25, and SSV-26) that exceeded the NYSDOH Soil Vapor / Indoor Air Matrix 1 mitigation guidance levels for TCE and, as a result, continued mitigation is warranted. Figure 17—Sub-slab Soil Vapor Time Series Plots shows time series plots displaying sub-slab soil vapor trends in locations with long-term datasets. The significant reduction in overall indoor air concentrations compared to the concentrations prior to installation of the SSDS indicates that the SSDS is operating as designed by depressurizing the slab.

5.3 Recommendations

Based on the results and findings herein, ERM recommends that the SSDS continue to operate to mitigate the potential for soil vapor intrusion. The SSDS should continue to be monitored and improved based on the monthly reviews and annual monitoring data to facilitate operation of the SSDS as designed. The SSDS can be improved by installing additional magnehelic gauges to suction points to better monitor and manage vacuum throughout the system. The building slab near IDA-4R contains few cracks and additional vacuum will be attempted in this area with the existing SSDS. Additional measures may be necessary in the IDA-2R area. Appendix J includes a photographic log.

6. ENGINEERING CONTROLS—OPERATION, MAINTENANCE, AND MONITORING OF THE GROUNDWATER TREATMENT SYSTEM

6.1 Introduction

The groundwater treatment system (GTS) was originally constructed as an interim remedial measure (IRM) to address volatile organic compounds (VOCs) present in surface water and groundwater at the site and has been operating for approximately 28 years. The system became fully operational in March 1995 and has been operational since, with the exception of items discussed in Section 6.5. As part of the selected Remedial Action (RA), the system was modified to collect and treat shallow groundwater in 1999 on a regular basis.

The system was significantly upgraded in December 2006 in an effort to reduce system shutdowns and improve overall efficiency. Presently, the GTS consists of the northern collection trench (NCT), the southern collection trench (SCT), pumping manhole number 1 (MH-1) which is associated with the SCT, pumping manhole number 2 (MH-2) which is associated with NCT, the piping system, an equalization tank, transfer pumps, bag filters, an air stripper, and a control system. Figure 18 provides a plan view of the overall collection system and the location of the GTS. CHA Consulting, Inc. (CHA), on behalf of Chicago Pneumatic Tool Company, Inc. (Chicago Pneumatic), has been conducting Operation, Maintenance and Monitoring (OM&M) of the GTS since October 1, 2008.

Between January 1, 2022 and December 31, 2022 operation of the air stripper, bag filters, pumps, and appurtenances has been consistent and relatively continuous, with the exception of the maintenance requiring shutdown as discussed in the Section 6.5., System Maintenance and Emergency Responses. In general, emergency notifications indicative of a system shutdown were resolved quickly and resulted in the GTS being shut down for the least amount of time as practical to replace or repair components of the system. The treatment system flow totalizers, as recorded on inspection reports, indicate that a total of approximately 1,971,351 gallons of water was pumped, treated, and released through the State Pollution Discharge Elimination System (SPDES) Outfall 03A between January 1, 2022 and December 31, 2022, operating at 93.4% efficiency and removing approximately 14.0 pounds of VOCs.

At this time, no changes to the draft Site Management Plan are recommended. Since concentrations of representative water samples from both the SCT and the NCT are still above regulatory standards, the requirements for discontinuing site management have not been achieved and the GTS is required. Continuance of the GTS OM&M as well as annual submissions of the Periodic Review Report (PRR) are recommended

6.2 Site Overview

The treatment process includes the removal of VOCs from influent groundwater utilizing a low-profile air stripper as shown on the Air Stripper Plan Figure 19. The low-profile air stripper treats influent groundwater that is pumped from MH-1 and MH-2. As shown on Figure 18, the collection trenches facilitate transportation of groundwater, via gravity, to the two manholes. MH-1 receives groundwater from the SCT, while MH-2 receives effluent water from an existing clay pipe and groundwater from the NCT. Water from the manholes is then pumped to the equalization tank, pumped via transfer pumps through bag filters and the air stripper for treatment, and then ultimately discharged to SPDES Outfall 03A.

MH-1 is equipped with two ½ horsepower (hp) pumps and MH-2 is equipped with two ¾-hp pumps, all

arranged in lead/lag mode within their respective manholes. Additionally, there are five bulb float type control switches in each manhole which provide signals to the control panel (Figure 20). The control switches are set, top to bottom in each manhole, as follows:

1. High level alarm;
2. Lag pump start;
3. Lead pump start;
4. Both pumps stop; and
5. Low level alarm, second off.

The main control panel for all pumps is located in the GTS portion of the Main Building, adjacent to the air stripper. Groundwater is conveyed from the manholes to the GTS area via a below grade force main with an outer, secondary containment pipe. The double-wall piping transitions to single wall piping above grade once the piping is over the secondary containment provided inside the building. The GTS components inside the building are located within a designated room containing a locked separate entrance from the remaining portion of the Main Building, as shown in detail on Figure 21.

After entering the treatment system area, groundwater flows to a 2,500-gallon equalization tank, which provides a more uniform flow into the air stripper, and to a limited extent, allows solids to settle out prior to treatment. The equalization tank is equipped with four float switches, which monitor and initiate events for the system operation.

Two pumps arranged in a lead/lag mode are utilized to transfer water from the equalization tank through two bag filters piped in series and then to the air stripper. These pumps are rated for a discharge rate of greater than 120 gallons per minute (gpm) at 40 feet of total head. An in-line strainer is installed on the influent to each of these pumps to reduce the potential for solids entering the pumps.

Groundwater that is discharged from these pumps flows through a 100-micron bag filter followed by a 50-micron bag filter on the effluent side of the pumps to capture smaller particles. The filter housings are stainless steel construction and rated for a maximum pressure of 300 pounds per square inch (psi). The treatment system has a typical operating range of 15 to 35 psi. When bag filter pressures exceed 35 psi, the air stripper feed pumps shut down and an automated alarm call-out/notification is sent to CHA signaling that the bag filters need to be replaced before operation is able to resume. After passing through the primary and secondary bag filters, groundwater passes through a flow totalizer to record the volume of water before being treated by the air stripper unit.

The low-profile air stripper is a four-tray ShallowTray® 31200 Series model, equipped with a 3-phase, 20 hp, 1,800 cubic feet per minute (CFM) blower and is reportedly capable of processing water at a rate of 6 to 425 gpm. The original control panel system was designed and constructed by Northeast Environmental Systems and the panel was further upgraded in 2006.

System data is remotely accessible using EOS Research, Ltd. Procontrol data management systems. Once per day, the EOS system transmits a record of the GTS operating conditions via e-mail to CHA's Syracuse, New York office. The data is reviewed to determine whether the system is operating normally. In addition, the EOS system allows "real time" remote monitoring via computer, which is wirelessly connected to the EOS system. Real time monitoring of the GTS is generally conducted from one to multiple times per day depending on system demands and/or precipitation events. The system also electronically transmits alarm notices when triggered. If the GTS is found to be in an alarm condition, a response is initiated.

The treated water from the air stripper discharges via gravity through an 8-inch diameter effluent pipe to SPDES Outfall 03A (SPDES Permit No. NY0108537) located at the upstream end of the eastern drainage ditch, formerly Area 14. The discharged water is sampled and analyzed weekly according to the SPDES permit. The eastern drainage ditch is ultimately monitored at SPDES Outfall 003, prior to discharging off-site at the northern property boundary, as shown on Figure 18.

6.3 Remedy Performance, Effectiveness, and Protectiveness

Air stripper influent and effluent water samples are collected and analyzed for the same site-specific VOCs as the effluent, described in the following section, to monitor the system performance and compliance. The January 1, 2022 through December 31, 2022 Influent and Effluent Analytical Summary (Table 11) provides the analytical data for influent flow from MH-1 and MH-2 on a monthly basis and the air stripper effluent on a weekly basis. Table 12, the 2022 Air Stripper and Manhole Flow Summary, provides weekly and monthly average flows measured during sampling events.

The information presented in Tables 12 and 13 was developed to assist in evaluating mass removal of VOCs by the GTS. Table 13, the 2022 Air Stripper Mass Removal Summary, provides a monthly account of air stripper influent and effluent concentrations, the concentration of VOCs removed, percent of VOCs removed, and total VOCs by mass removed during the 12-month period from January 1, 2022 to December 31, 2022. Table 14 provides a weekly summary of the effluent laboratory results along with the average flow rate and the pH of the effluent. As previously indicated, the average removal efficiency for 2022 was 93.4%, resulting in the removal of approximately 14.0 pounds of VOCs.

6.4 Monitoring Plan Compliance

To document compliance with the NYSDEC SPDES Permit No. NY0108537, the pH and flow rate from the effluent of the GTS that is discharged to SPDES Outfall 03A must be determined, and the effluent water must be sampled and analyzed on a weekly basis for the following site-specific VOC parameters:

- trichloroethylene (TCE)
- cis-1,2-DCE
- trans-1,2-dichloroethene
- VC

Between January 1, 2022 and December 31, 2022, representative system samples were collected by CHA personnel, placed in appropriately labeled laboratory glassware, and delivered to Eurofins Environment Testing, a New York State Department of Health (NYSDOH) certified laboratory (NELAP 10026). Specifically, these samples were collected from the SPDES Outfall 03A sampling port within the GTS building. The analytical results are submitted by CHA, on behalf of Chicago Pneumatic, to the NYSDEC in the form of monthly Discharge Monitoring Reports (DMRs).

Between January 1, 2022 and December 31, 2022, the following excursions of the SPDES Permit effluent limits were documented and reported to the NYSDEC:

- On August 11th, 2022, there was an exceedance of cis 1,2 DCE with a concentration of 42 µg/L and TCE with a concentration of 49 µg/L. These samples were taken directly after cleaning of the system was performed. Consistent heavy rainfall may have been a contributing factor.
- On August 17th, 2022, there was an exceedance of cis 1,2 DCE with a concentration of 21 µg/L and TCE with a concentration of 22 µg/L. Consistent heavy rainfall may have been a contributing factor along with recent cleaning of the system.

- On October 6th, 2022, there was an exceedance of cis 1,2 DCE with a concentration of 39 µg/L and TCE with a concentration of 52 µg/L. Consistent heavy rainfall may have been a contributing factor.

As previously indicated, the EOS data management system allows daily remote monitoring of the system. The system monitoring program is currently in compliance with the Monitoring Plan.

6.4.1 Conclusions and Recommendations for Improvement

With the exception of small disruptions in daily operations as detailed in Section 6.5 (Operation and Maintenance Plan Compliance), the implemented monitoring fully complied with the system Monitoring Plan. Flow and pH were monitored on a weekly basis as well as effluent sampling and analysis for the listed site-specific VOCs. The monitoring plan is effective in meeting the objectives of the remedial program and no modifications for improvement are recommended at this time.

6.5 Operation and Maintenance Plan Compliance

The GTS is designed to operate continuously, 24 hours per day, 7 days a week. The manhole and equalization tank pumps operate, as needed, to direct and control water flow into the air stripper. Control floats normally activate the pumps in both manholes and the equalization tank. If daily monitoring of the GTS status e-mails and/or real-time monitoring note that the GTS is in an alarm condition, a response is initiated starting with logging into ProControl system to attempt to correct the problem remotely. If using ProControl to address the problem remotely is unsuccessful, CHA visits the site to perform the required maintenance (e.g., changing of bag filters) and reactivate the system. If system components require repair, replacement or significant maintenance not easily performed by CHA, a contractor is scheduled to visit the site to perform such work. Copies of the field logs, included in Appendix L, provide documentation of weekly site visits, recorded alarm conditions, and modifications made to the system from January 1, 2022, through December 31, 2022.

A summary of scheduled and unscheduled maintenance events including system alarms, shutdowns and responses in 2022 are presented in the table below. All shutdowns resulted in the GTS being shut down for a relatively short period of time with the exception of:

- Shut down of the entire system from 6/1/2022 through 6/6/2022 due to MH-1 flow meter not reading correctly and MH-2 pumps not operational.
- Continued shut down on MH-2 pumps until pump replacement and line jetting to remove potential obstructions on 8/4/2022. During this time, only the MH-1 influent was treated.
- Annual maintenance on the air stripper from 8/11/2022 through 8/12/2022.
- Shut down of the entire system from 9/7/2022 through 9/15/2022 for required upgrades to the ProControl system.

Alarm Conditions and Maintenance Summary

Date	Incident/Resolution
1/5/22	MH-2 high level alarm and low air stripper pressure alarm active. Manually ran MH-2 pumps until alarms cleared. CHA changed bag filter for P1 & P2.
1/12/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. MH-2 pumps active, but slow flow into system. Calibrated pH meter with 2 point calibration.
1/19/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.

Date	Incident/Resolution
1/27/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
2/2/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
2/10/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
2/17/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
2/23/22	MH-2 and MH-1 high level alarms active. CHA changed bag filter for P1 & P2. Manually ran MH-2 and MH-1 to lower water levels.
3/1/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Calibrated pH meter with 2-point calibration. CHA met with ERM to discuss building mitigation and MH-2 high alarm ongoing issue.
3/10/22	No alarms. CHA changed bag filter for P1 & P2. MH-1 and MH-2 alarms activated prior to leaving site. Pumps on and actively pumping from MH-1 and MH-2.
3/16/22	MH-1 and MH-2 high level alarms active. Manually ran system to lower water levels in the manholes. CHA changed bag filter for P1 & P2. MH-2 high level alarm still active.
3/23/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
3/29/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level.
4/7/22	MH-2 high level alarm active. Manually ran the system to try and lower MH-2 water level. CHA changed bag filter for P1 & P2. MH-2 high level alarm is still active.
4/13/22	MH-2 high level alarm active. Manually ran the system to try and lower MH-2 water level. CHA changed bag filter for P1 & P2. CHA worked on troubleshooting the system wireless connection. MH-2 high level alarm is still active.
4/19/22	MH-2 high level alarm active. Manually ran the system to try and lower MH-2 water level. CHA changed bag filter for P1 & P2. CHA worked on troubleshooting the system wireless connection. MH-2 high level alarm is still active.
4/26/22	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level. MH-2 alarm still active.
5/2/2022	MH-1 and MH-2 high level alarms active. Manually ran system to lower water levels in the manholes. CHA changed bag filter for P1 & P2. MH-2 high level alarm still active.
5/10/2022	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level. MH-2 alarm still active.
5/18/2022	MH-2 high level alarm active. CHA changed bag filter for P1 & P2. Manually ran MH-2 to lower water level. MH-2 alarm still active.
5/25/2022	MH-2 high level alarm. CHA changed bag filter for P1 & P2. MH-2 not producing water despite having both pumps on manual. Unable to sample MH-2 influent.
6/1/2022	Paragon Environmental Company (PEC) onsite for MH-2 troubleshooting. Cleaned MH-2 and pipes leading to MH-2. PEC checked MH-2 floats and found they work as expected. Identified problem with the pumps in MH-2 and found both pumps need to be replaced. CHA unable to sample influent from MH-2. Issue identified with MH-1 flow meter not reading when pump #1 in operation. Flow meter was removed, tested, and appeared to function under high flow rates. CHA manually operated the system and changed bag filter for P1 & P2. MH-1 pumps were found operational, but not filling the EQ tank. CHA shut down system after sample collection.

Date	Incident/Resolution
	CHA corresponded with the NYSDEC via email regarding the issues identified and the shut down of the system.
6/6/2022	PEC and AALCO (jet cleaners) on site for troubleshooting. PEC evacuated water from MH-1 because pumps were not pumping correctly. PEC cleaned backflow preventor on MH-1 influent pipe. Utilized vacuum truck to pump water from MH-1 directly into EQ tank twice. PEC pumped EQ tank all the way down, cleaned the inside of the EQ tank with a pressure washer, and removed sediment laden water with the vacuum truck. Due to water issue in each manhole, Alco unable to jet either MH-1 or MH-2 lines. Issue with MH-1 flow meters remains. CHA changed bag filter for P1 & P2. CHA allowed the system to remain active upon completion of work for the day.
6/7/2022	MH-1 and MH-2 high level alarms active. PEC on site to manage water and sludge removed from MH-1 the previous day. Additionally, PEC removed grass, rocks, and sludge from bottom of MH-1. CHA changed bag filter for P1 & P2. MH-2 remains non-functional. Unable to sample MH-2.
6/15/2022	MH-2 high level alarm active. CHA replaced hayward strainer on effluent pumps 6A and 6B. Changed P1 and P2 bag filters. MH-2 remains non-functional. Unable to sample MH-2.
6/22/2022	MH-2 high level alarm active. CHA worked through troubleshooting with the electrician (Angler Electric). MH-2 remains non-functional. Unable to sample MH-2. CHA changed P1 and P2 bag filters.
6/30/2022	MH-1 and MH-2 high level alarms active. New pumps installed in MH-2, but no water able to get through to the treatment plant. MH-2 still not operational. Changed P1 and P2 bag filters.
7/5/2022	MH-1 and MH-2 high level alarms active. Manually ran system to lower water levels in the manholes. CHA changed bag filter for P1 & P2. MH-2 high level alarm still active.
7/8/2022	On site to continue trouble shooting for MH-2 alarms and pumping issues. PEC pumped from MH-2 and used vacuum to try to dislodge obstructions in the pipe from MH-2 to the treatment plant. PEC attempted to snake the line unsuccessfully. CHA pumped MH-1 down through the system and identified issue with cycling between effluent pumps 6A and 6B.
7/14/2022	MH-1 and MH-2 high level alarms active. Manually ran system to lower water levels in the manholes. CHA changed bag filter for P1 & P2. MH-1 and MH-2 high level alarm still active.
7/20/2022	MH-1, MH-2 and EQ tank high level alarms active. CHA changed bag filter for P1 & P2. Ran system manually to deactivate the alarms.
7/21/2022	Effluent pump variable frequency drive error that caused an overload switch. CHA reset breaker.
7/28/2022	MH-1, MH-2 and EQ tank high level alarms active. Manually ran system to clear alarms. CHA changed bag filter for P1 & P2.
8/3/2022	CHA corresponded with the NYSDEC via email and phone call to discuss the ongoing issue with MH-2 and upcoming work to “jet” the line in attempts to get MH-2 back online.
8/4/2022	Onsite for troubleshooting with PEC and AALCO the Drain Doctor. MH-2 pipes were jetted and vacuumed out. CHA ran system manually and changed bag filters as needed. All alarms cleared and MH-2 was able to pump water to the treatment plant. System operational in “Auto”.
8/11/2022	MH-1 high level and air stripper low air pressure alarms active. PEC on site for annual maintenance on air stripper. Left system offline because PEC has not finished cleaning the air stripper.

Date	Incident/Resolution
8/12/2022	PEC finished cleaning the air stripper. MH-1 high level alarm came on upon starting the system back up. PEC weed wacked around where the effluent discharge location.
8/17/2022	MH-1 and EQ tank high level alarms active. CHA changed bag filter for P1 & P2. Ran system manually to lower water levels and deactivate the alarms.
8/25/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
9/1/2022	EQ tank high alarm active. CHA changed bag filter for P1 & P2. Ran system manually to clear alarm.
9/2/2022	CHA corresponded with the NYSDEC via email to discuss the requirement to send the ProControl unit to the manufacturer for wireless connection upgrades. Without the ProControl unit, the system must be shut down. CHA intends to have the ProControl system re-installed within one week to avoid missing a week of sampling. Without these upgrades, CHA would lose remote access to monitor and control the GTS.
9/7/2022	CHA troubleshooting the VFD on the effluent pumps to see if effluent pump 6A is set to the incorrect value. All VFD settings were found to match cut sheet for the VFD. EQ pumps 6A and 6B (operated manually) appear to flow at roughly the same rate (130-150 gpm). CHA takes the GTS offline to remove modem and ProControl box for system upgrades by the ProControl office in Rochester, NH.
9/15/2022	Reinstalled the Procontrol electrical box and modem. MH-1 and MH-2 high alarms active upon connection to the system. Ran system in "auto" to see if previous issues were resolved. CHA changed bag filter P1 and P2. System running as intended.
9/21/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
9/28/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
10/6/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
10/12/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
10/21/2022	MH-1 and EQ tank high alarms active. Reset system to get it running in "auto" again. Ran system to clear alarms. CHA changed bag filter for P1 & P2.
10/26/2022	EQ tank high alarm active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
11/2/2022	EQ tank high alarm active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
11/9/2022	EQ tank high level alarm active. CHA changed bag filter for P1 & P2.
11/15/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
11/22/2022	MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
12/1/2022	EQ tank high level alarm active. CHA changed bag filter for P1 & P2.
12/6/2022	MH-1, MH-2 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
12/14/2022	System was in "manual", CHA set it back to "auto". MH-1 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.
12/21/2022	MH-1 and EQ tank high alarm active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.

Date	Incident/Resolution
12/27/2022	MH-1, MH-2 and EQ tank high alarms active. Ran system manually to clear alarms. CHA changed bag filter for P1 & P2.

As part of the operations and maintenance of the site, the flow of water to the GTS is tracked weekly. The total volume of water pumped to the air stripper is measured by in-line flow meters that provide both instantaneous and total flow readings. These flow meters are located at the air stripper in the influent pipes from MH-1, MH-2, and the treatment area floor sump pump, as shown in Figure 21. As previously indicated, between January 1, 2022 and December 31, 2022 approximately 1,971,531 gallons of water were pumped, treated, and discharged to Outfall 03A. The Air Stripper and Manhole Flow Summary (Table 12) provides the average weekly and monthly flows to the air stripper, as well as total and average flow for the same period of 2022. The GTS processed an average of 5,431 gallons per day (gpd) in 2022.

6.5.1 Conclusions and Recommendations for Improvement

The GTS has been operating for approximately 28 years. Between January 1, 2022 and December 31, 2022 operation of the air stripper, pumps, and appurtenances has been consistent and for the most part continuous with the exception being the maintenance requiring shutdown of some or all components of the system as discussed above. In general, emergency call outs were resolved quickly, and resulted in the GTS being shut down for the least amount of time as possible. The O&M plan is effective in meeting the objectives of the remedial program.

6.6 Overall Conclusions and Recommendations

At this time, no changes to the draft Site Management Plan are recommended. Requirements of the Monitoring Plan were met during the reporting period. Likewise, the requirements of the Operation and Maintenance Plan were also met during the reporting period.

Based upon evaluation of the GTS, the remedial objectives for the site are being met. As indicated above, the total average removal efficiency was 93.4%, resulting in the removal of approximately 14.0 pounds of VOCs in 2022. The GTS is operating and performing in accordance with the Monitoring Plan and Operation and Maintenance Plan.

Since concentrations of water from both the SCT and the NCT are still above regulatory standards, the requirements for discontinuing site management have not been met and the GTS is still needed. Annual submissions of the PRR are recommended. Continued operation, maintenance, and monitoring of this GTS is ongoing and recommended. Appendix M includes Institutional and Engineering Controls Certification forms.

Tables

11	2022 Influent and Effluent Analytical Summary
12	2022 Air Stripper and Manhole Flow Summary
13	2022 Air Stripper Mass Removal Summary
14	2022 Cumulative Summary of Outfall 03A Analytical Results

Figures

18	Groundwater Treatment System Plan
19	Air Stripper Plan

20	Pumping Manhole Plans and Sections
21	Groundwater Treatment System Building Layout

7. REFERENCES

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- United States Environmental Protection Agency (USEPA). 2008. *Indoor Air Vapor Intrusion Mitigation Approaches*.
- USEPA. 2014. *VISL Users Guide*.

TABLES



	NYSDEC Guidance	MW-6R	MW-13A	MW-14A	MW-17	MW-18	DUP (MW-17)
VOCs (ug/L)							
cis-1,2-Dichloroethene	5	< 2.5	< 2.5	< 2.5	880	2.3 J	910
trans-1,2-Dichloroethene	5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 25
Trichloroethene	5	< 0.50	< 0.50	< 0.50	1,600	< 0.50	1,700
Vinyl chloride	2	< 1.0	< 1.0	< 1.0	< 10	9.0	< 10
PCBs (ug/L)							
Aroclor 1016	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1248	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Metals (mg/L)							
Chromium	50	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Copper	200	< 0.00100	< 0.00100	0.00193	0.00144	< 0.00100	0.00143
Lead	25	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	0.00422 J	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.01000

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
NS = No Standard
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC Guidance	MW-6R	MW-13A	MW-14A	MW-17	MW-18	DUP (MW-17)
VOCs (ug/L)							
cis-1,2-Dichloroethene	5	< 2.5	< 2.5	< 2.5	270	2.1 J	260
trans-1,2-Dichloroethene	5	< 2.5	< 2.5	< 2.5	< 12	< 2.5	< 12
Trichloroethene	5	< 0.50	< 0.50	< 0.50	420	< 0.50	420
Vinyl chloride	2	< 1.0	< 1.0	< 1.0	< 5.0	7.1	< 5.0
PCBs (ug/L)							
Aroclor 1016	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1248	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071	< 0.071
Metals (mg/L)							
Chromium	50	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Copper	200	< 0.00100	< 0.00100	0.00354	0.00057 J	0.00044 J	0.00064 J
Lead	25	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.01000

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
 J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
 ug/L - micrograms per liter
 mg/L = milligrams per liter
 NS = No Standard
 BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-99	Sep-99	Mar-00	Sep-00	Mar-01	Sep-01	Mar-02	Sep-02	Mar-03	Sep-03	Mar-04	Sep-04	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Sep-07
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<2	<2	<5	<5	<2	<5	<2	2.6	3.9	6.1	3.5	7	5.6	7.1	9.9	15	7.5	17
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Metals (mg/L)																			
Chromium	50	60.1	19.4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	200	109	7.6B	<10	<10	<10	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	<10	<10	<10
Lead	25	35.6	9.3	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	14	<10
Zinc	2000	172	51	16	58	21	22	<10	<10	11	17	18	<10	13	<10	63	<10	<10	<10

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
 J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
 B = Compound was found in the blank and sample.
 ug/L - micrograms per liter
 mg/L = milligrams per liter
 NS = No Standard



	NYSDEC GUIDANCE	Mar-08	Sep-08	Mar-09	Sep-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	15	34	15	16	20	3.5	1.1	22	20	8	9.9	21	19	20	6.8	20	19	6.3
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Metals (mg/L)																			
Chromium	50	<10	<10	16	<10	<10	1.5	<10	<4	<4	0.2 J	<1	1	<10	0.7 J	0.3 J	5	0.6 J	0.9 J
Copper	200	<10	<10	15	<10	<10	8.4	<10	<10	<10	0.5 J	0.7 J	2	0.7 J	0.9 J	0.3 J	6	0.5 J	0.9 J
Lead	25	<10	<10	15	<10	<10	<5	<10	<5	<5	<10	<1	0.3 J	<10	<5	<10	0.1	<10	<10
Zinc	2000	24	26	42	<10	<20	2.4	<20	2.2 J	<10	9.2	16	11	4.5 J	<10	<10	3 J	<10	<10

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
 J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
 B = Compound was found in the blank and sample.
 ug/L - micrograms per liter
 mg/L = milligrams per liter
 BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)

Table 4
Historical Groundwater Results - MW-18
Summary of Analytical Results
Vontier - Former Chicago Pneumatic Tool Company
Frankfort, New York



	NYSDEC GUIDANCE	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	May-20	Oct-20	Apr-21	Oct-21	Apr-22	Oct-22
VOCs (ug/L)													
cis-1,2-Dichloroethene	5	<1	<1	0.83 J	<1	< 2.5	< 2.5	1.3 J	1.2 J	0.79 J	2.1 J	2.3 J	2.1 J
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Trichloroethene	5	<1	<1	<1	<1	< 0.50	< 0.50	0.26 J	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	14	12	21	2.3	1.8	5.4	11	11	5.4	14	9.0	7.1
PCBs (ug/L)													
Aroclor 1016	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1248	NS	<0.05	<0.05	<0.05	<0.05	0.072 J	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	<0.05	<0.05	<0.05	<0.05	0.072 J	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Metals (mg/L)													
Chromium	50	0.5 J	<10	0.2 J	<10	0.00022 J	< 0.01000	0.00019 J	< 0.00100	< 0.010	0.00078 J	< 0.00100	< 0.00100
Copper	200	0.1	<10	<10	<10	0.00092 J	0.00098 J	0.00058 J	< 0.00100	< 0.010	< 0.00100	< 0.00100	0.00064 J
Lead	25	<10	<10	<10	<10	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.010	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	0.4 J	<10	<10	<10	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.050	0.0115	< 0.00100	< 0.01000

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
 J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
 B = Compound was found in the blank and sample.
 ug/L - micrograms per liter
 mg/L = milligrams per liter
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-99	Sep-99	Mar-00	Sep-00	Mar-01	Sep-01	Mar-02	Sep-02	Mar-03	Sep-03	Mar-04	Sep-04	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Sep-07
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Metals (mg/l)																			
Chromium	50	19.9	2.2B	<10	<10	<10	23	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	200	45	6.7B	<10	<10	<10	58	11	<10	34	17	<10	<10	10	<10	<10	<10	<10	<10
Lead	25	7.4	3.6	<5	<5	<5	23	<10	<10	14	13	<10	<10	<10	<10	<10	<10	13	<10
Zinc	2000	49.5	26.5	26	47	19	140	64	29	100	24	<10	19	12	13	37	<10	<10	<10

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
NS = No Standard



	NYSDEC GUIDANCE	Mar-08	Sep-08	Mar-09	Sep-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Metals (mg/l)																			
Chromium	50	<10	16	12	<10	<10	5	<10	2.4 J	<4	0.3 J	0.4 J	0.1	0	0.9 J	0.9	7	1.1	<1
Copper	200	<10	<10	36	<10	<10	9.7	<10	3.9 J	<10	0.2 J	0.4 J	0.1	3	0.5 J	5	0.4 J	0.3 J	<1
Lead	25	<10	11	24	<10	<10	5.7	<10	<5	<5	<10	<1	0.3 J	0.8 J	0.2 J	0.2	<10	<10	<10
Zinc	2000	20	11	80	27	<20	17.9	<20	9.5 J	0.2 J	10.6	15	5 J	15	3.6 J	<10	6 J	<10	<10

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	May-20	Oct-20	Apr-21	Oct-21	Apr-22	Oct-22
VOCs (ug/L)													
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Trichloroethene	5	<1	<1	<1	<1	< 0.50	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	<1	<1	<1	<1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCBs (ug/L)													
Aroclor 1016	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	0.047 J	< 0.083	< 0.071	0.061 J	< 0.071	< 0.071
Aroclor 1248	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	0.047 J	< 0.083	< 0.071	0.061 J	< 0.071	< 0.071
Metals (mg/l)													
Chromium	50	0.3 J	0.2 J	0.3 J	0.4 J	0.00031 J	< 0.01000	< 0.00100	0.00281	< 0.010	0.00073 J	< 0.00100	< 0.00100
Copper	200	<1	0.5 J	<10	0.9 J	0.00049 J	< 0.01000	< 0.00100	0.00219	< 0.010	< 0.00100	< 0.00100	< 0.00100
Lead	25	<10	<10	<10	<10	< 0.00100	< 0.01000	< 0.00100	< 0.00100	< 0.010	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	<10	<10	3.7 J	14.3	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.050	0.01029	0.00422 J	< 0.01000

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-99	Sep-99	Mar-00	Sep-00	Mar-01	Sep-01	Mar-02	Sep-02	Mar-03	Sep-03	Mar-04	Sep-04	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Sep-07
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Metals (mg/L)																			
Chromium	50	7.8B	4.8E	19	<10	<10	<10	<10	200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	200	45	5.3B	<10	<10	<10	<10	14	20	<10	14	<10	<10	<10	14	<10	<10	<10	<10
Lead	25	9.2	2.3	<5	<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13	<10
Zinc	2000	38.1	10.7B	29	47	10	<10	18	92	<10	19	29	12	20	<10	14	11	24	<10

Notes:
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J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
NS = No Standard
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-08	Sep-08	Mar-09	Sep-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Metals (mg/L)																			
Chromium	50	<10	<10	11	<10	<10	11.8	<10	1 J	<4	0.3 J	0.2 J	0.3 J	0.3 J	0.7 J	0.8 J	11	0.5 J	<1
Copper	200	<10	<10	<10	<10	<10	9.7	<10	<10	<10	0.3 J	0.5 J	0.3 J	0.7 J	0.5 J	<10	0.5 J	<1	<1
Lead	25	<10	<10	<10	<10	<10	5.7	<10	<5	<5	<10	<1	<10	0.8 J	<5	<10	<10	<10	<10
Zinc	2000	19	12	26	<10	<20	20.7	<20	4 J	0.2 J	0.2 J	15	8.5 J	13.6	3.6 J	<10	4 J	<10	<10

Notes:
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B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	May-20	Oct-20	Apr-21	Oct-21	Apr-22	Oct-22
VOCs (ug/L)													
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Trichloroethene	5	<1	<1	<1	<1	< 0.50	< 0.50	< 0.50	< 0.50	0.24 J	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	<1	<1	<1	<1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCBs (ug/L)													
Aroclor 1016	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1248	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Metals (mg/L)													
Chromium	50	0.1 J	<1	1.5	<10	< 0.00100	< 0.00100	< 0.00100	0.00021 J	< 0.010	0.00076 J	< 0.00100	< 0.00100
Copper	200	<1	<1	1.3	0.4 J	< 0.00100	< 0.00100	0.00067 J	0.00077 J	< 0.010	< 0.00100	< 0.00100	< 0.00100
Lead	25	<10	0.8 J	<10	<10	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.010	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	<10	<10	<10	<10	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.050	0.01298	< 0.00100	< 0.01000

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The associated numerical value is the approximate concentration/detection limit of the analyte in the sample.
B = Compound was found in the blank and sample.
ug/L - micrograms per liter
mg/L = milligrams per liter
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-99	Sep-99	Mar-00	Sep-00	Mar-01	Sep-01	Mar-02	Sep-02	Mar-03	Sep-03	Mar-04	Sep-04	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Sep-07
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10
Metals (mg/L)																			
Chromium	50	20.4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	200	48	6B	<10	<10	<10	<10	<10	<10	<10	<10	27	12	<10	16	<10	<10	<10	<10
Lead	25	8	<5	<5	<5	<5	<10	<10	<10	<10	<10	10	<10	<10	13	<10	<10	<10	<10
Zinc	2000	36	6.5B	28	42	15	<10	<10	20	29	100	17	<10	15	<10	<10	<10	<10	<10

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 ug/L - micrograms per liter
 mg/L = milligrams per liter
 NS = No Standard
BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Mar-08	Sep-08	Mar-09	Sep-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<1	<1	<1	<1	<1	<1	0.48 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Metals (mg/L)																			
Chromium	50	<10	<10	<10	<10	<10	1.8	1.2 J	1.8	<4	0.3 J	1.2 J	14	0.59 J	2	1.3	4	0.4 J	1.5
Copper	200	<10	<10	<10	<10	<10	5.3	4.9 J	5.3	<10	9.8	4.9 J	19	4.2	4	5	2	1.5	2.3
Lead	25	<10	<10	<10	<10	<10	<5	<5	<5	<5	0.7 J	<5	13	1.4	0.8 J	0.2	0.3 J	0.2 J	<10
Zinc	2000	21	14	16	<10	<20	5.8	9.1 J	5.8	0.2 J	45.9	9.1 J	51	4.5 J	14.4	<10	11	<10	<10

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BOLD and GREY shading indicate exceedance of NYSDEC TOGS 1.1.1 (1998)



	NYSDEC GUIDANCE	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	May-20	Oct-20	Apr-21	Oct-21	Apr-22	Oct-22
VOCs (ug/L)													
cis-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
trans-1,2-Dichloroethene	5	<1	<1	<1	<1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Trichloroethene	5	<1	<1	<1	<1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vinyl chloride	2	<1	<1	<1	<1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCBs (ug/L)													
Aroclor 1016	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	0.051 J	< 0.083	< 0.071	0.070 J	< 0.071	< 0.071
Aroclor 1248	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	< 0.083	< 0.083	2.42	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	<0.05	<0.05	<0.05	<0.05	< 0.083	< 0.083	0.051 J	< 0.083	2.42	0.070 J	< 0.071	< 0.071
Metals (mg/L)													
Chromium	50	0.6 J	0.2 J	0.3 J	0.2 J	0.00026 J	< 0.01000	0.00023 J	0.00042 J	< 0.010	0.00091 J	< 0.00100	< 0.00100
Copper	200	0.2	4	2.7	2.2 J	0.00272	0.00479	0.00061 J	0.00146	0.003 J	0.00488	0.00193	0.00354
Lead	25	<1	<10	<10	<10	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.010	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	<10	<10	<10	<10	< 0.01000	< 0.01000	< 0.01000	< 0.01000	< 0.050	0.01021	< 0.00100	< 0.01000

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	NYSDEC GUIDANCE	Mar-99	Sep-99	Mar-00	Sep-00	Mar-01	Sep-01	Mar-02	Sep-02	Mar-03	Sep-03	Mar-04	Sep-04	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Sep-07
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	<5	7	<5	5.2	8.9	7.4	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	5	<5	<5	<5	<5	<5	<5	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	<5	25	22	22	24	16	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	2	<2	<2	<5	<5	<2	<2	--	--	--	--	--	--	--	--	--	--	--	--
PCBs (ug/L)																			
Aroclor 1016	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NS	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0.09	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																			
Chromium	50	4	21B	<10	<10	<10	<10	--	--	--	--	--	--	--	--	--	--	--	--
Copper	200	16B	<10	<10	<10	<10	<10	--	--	--	--	--	--	--	--	--	--	--	--
Lead	25	2.4B	<5	<5	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	2000	14.6B	7.1B	13	57	32	<10	--	--	--	--	--	--	--	--	--	--	--	--

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mg/L = milligrams per liter
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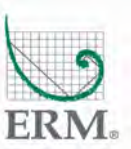
	NYSDEC GUIDANCE	Mar-08	Sep-08	Mar-09	Sep-09	Apr-10	Oct-10	Apr-11	Oct-11	Apr-12	Oct-12	Apr-13	Oct-13	Apr-14	Oct-14	Apr-15	Oct-15	Apr-16	Oct-16
VOCs (ug/L)																			
cis-1,2-Dichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs (ug/L)																			
Aroclor 1016	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																			
Chromium	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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	NYSDEC GUIDANCE	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	May-20	Oct-20	Apr-21	Oct-21	Apr-22	Oct-22
VOCs (ug/L)													
cis-1,2-Dichloroethene	5	--	--	--	--	530	150	75	75	40	55	880	270
trans-1,2-Dichloroethene	5	--	--	--	--	< 25	< 5.0	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 12
Trichloroethene	5	--	--	--	--	1,100	330	160	180	98	150	1,600	420
Vinyl chloride	2	--	--	--	--	< 10	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0
PCBs (ug/L)													
Aroclor 1016	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1221	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1232	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1242	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1248	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1254	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Aroclor 1260	NS	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Total PCBs	0.09	--	--	--	--	< 0.083	< 0.083	< 0.083	< 0.083	< 0.071	< 0.071	< 0.071	< 0.071
Metals (mg/L)													
Chromium	50	--	--	--	--	0.00028 J	< 0.01000	< 0.00100	0.00019 J	< 0.010	0.00069 J	< 0.00100	< 0.00100
Copper	200	--	--	--	--	0.00173	0.00096 J	0.00052 J	0.00057 J	< 0.010	0.00065 J	0.00144	0.00057 J
Lead	25	--	--	--	--	< 0.00100	< 0.01000	< 0.00100	< 0.00100	< 0.010	< 0.00100	< 0.00100	< 0.00100
Zinc	2000	--	--	--	--	< 0.01000	0.00563 J	< 0.01000	< 0.01000	< 0.050	0.01171	< 0.00100	< 0.01000

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Analyte		ODA-3	IDA-1	IDA-2R	IDA-3R	IDA-4R	IDA-4R	IDA-5R	IDA-6	IDA-7R	IDA-9R	IDA-10R	IDA-11R	IDA-11R-A	SSV-05	SSV-11	SSV-14R	SSV-15	SSV-21	SSV-24	SSV-25	SSV-26	SSV-27
	Sample Date	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022	3/31/2022
	Unit																						
1,1,2,2-Tetrachloroethane	µg/m3	< 1.37	< 0.474	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.43	< 1.37	< 1.37	< 2.33	< 1.37	< 5.78	< 2.14	< 1.77	< 1.56
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	µg/m3	< 1.53	1.37	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.59	< 1.53	< 1.53	< 2.60	< 1.53	< 6.45	< 2.39	< 1.98	< 1.74
1,1,2-Trichloroethane	µg/m3	< 1.09	< 0.376	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.13	< 1.09	< 1.09	5.46	< 1.09	< 4.59	4.68	< 1.41	< 1.24
1,1-Dichloroethane	µg/m3	< 0.809	< 0.279	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.842	< 0.809	< 0.809	< 1.37	< 0.809	< 3.40	< 1.26	< 1.04	< 0.919
1,2,4-Trichlorobenzene	µg/m3	< 1.48	< 1.28	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.48	< 1.54	< 1.48	< 1.48	< 2.52	< 1.48	< 6.24	< 2.32	< 1.92	< 1.69
1,2,4-Trimethylbenzene	µg/m3	< 0.983	0.541	< 0.983	15.2	5.31	5.11	16.1	15.4	6.19	4.69	6.05	1.37	1.37	2.09	< 0.983	< 0.983	< 1.67	3.39	< 4.13	12.6	1.78	< 1.12
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	µg/m3	< 1.40	< 1.20	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.45	< 1.40	< 1.40	< 2.37	< 1.40	< 5.88	< 2.18	< 1.80	< 1.59
1,2-Dichlorobenzene	µg/m3	< 1.20	< 0.415	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.25	< 1.20	< 1.20	< 2.04	< 1.20	< 5.06	< 1.88	< 1.55	< 1.36
1,2-Dichloroethane	µg/m3	< 0.809	< 0.279	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.842	< 0.809	< 0.809	< 1.37	< 0.809	< 3.40	< 1.26	< 1.04	< 0.919
1,2-Dichloroethene	µg/m3	< 0.793	--	1.17	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	µg/m3	< 0.924	< 0.319	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.961	< 0.924	< 0.924	< 1.57	< 0.924	< 3.89	< 1.44	< 1.19	< 1.05
1,3,5-Trimethylbenzene	µg/m3	< 0.983	< 0.339	< 0.983	3.09	1.15	1.13	3.32	3.15	1.28	1.14	1.33	< 0.983	< 0.983	< 1.02	< 0.983	< 0.983	< 1.67	< 0.983	< 4.13	2.93	2.61	< 1.12
1,3-Butadiene	µg/m3	< 0.442	0.228	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.460	< 0.442	< 0.442	< 0.750	< 0.442	< 1.86	< 0.690	< 0.571	< 0.502
1,3-Dichlorobenzene	µg/m3	< 1.20	< 0.415	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.25	< 1.20	< 1.20	< 2.04	< 1.20	< 5.06	< 1.88	< 1.55	< 1.36
1,3-Dichloropropene	µg/m3	< 0.908	--	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.944	< 0.908	< 0.908	< 1.54	< 0.908	< 3.82	< 1.42	< 1.17	< 1.03
1,4-Dichlorobenzene	µg/m3	< 1.20	< 0.415	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.25	< 1.20	< 1.20	< 2.04	< 1.20	< 5.06	< 1.88	< 1.55	< 1.36
1,4-Dioxane	µg/m3	< 0.721	< 1.24	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.750	< 0.721	< 0.721	< 1.22	< 0.721	< 3.03	< 1.12	< 0.930	< 0.818
2,2,4-Trimethylpentane	µg/m3	< 0.934	< 3.22	< 0.934	9.34	1.60	1.28	9.39	12.3	5.23	1.58	6.07	< 0.934	< 0.934	< 0.972	< 0.934	< 0.934	< 1.58	< 0.934	< 3.93	< 1.46	< 1.21	< 1.06
2-Butanone	µg/m3	< 1.47	< 5.07	2.72	4.07	69.6	53.1	3.42	3.51	5.01	85.5	4.84	278	132	2.07	< 1.47	< 1.47	< 2.50	2.38	< 6.19	< 2.30	< 1.91	< 1.68
2-Hexanone	µg/m3	< 0.820	< 2.83	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 0.852	< 0.820	< 0.820	< 1.39	< 0.820	< 3.45	< 1.28	< 1.06	< 0.930
4-Ethyltoluene	µg/m3	< 0.983	< 0.339	< 0.983	3.18	1.44	1.18	3.02	3.01	1.14	1.41	1.48	< 0.983	< 0.983	< 1.02	< 0.983	< 0.983	< 1.67	< 0.983	< 4.13	2.57	2.47	< 1.12
4-Methyl-2-pentanone	µg/m3	< 2.05	< 7.05	< 2.05	18.8	116	92.2	17.5	16.6	10.6	130	9.88	< 2.05	< 2.05	< 2.14	< 2.05	2.55	< 3.48	6.23	< 8.61	< 3.20	< 2.65	< 2.33
Acetone	µg/m3	6.79	11.7	38.2	33.5	26.8	15.1	24.0	21.5	38.0	25.2	34.7	20.6	25.2	9.45	10.2	6.87	< 4.04	3.35	< 10.0	< 3.71	4.39	3.87
Allyl chloride	µg/m3	< 0.626	< 2.16	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.651	< 0.626	< 0.626	< 1.06	< 0.626	< 2.63	< 0.977	< 0.808	< 0.711
Benzene	µg/m3	< 0.639	1.86	3.55	1.93	1.10	1.06	1.92	2.18	1.46	1.03	1.47	1.34	1.30	< 0.664	1.69	< 0.639	1.28	< 0.639	< 2.69	2.31	1.48	< 0.725
Benzyl chloride	µg/m3	< 1.04	< 1.79	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.08	< 1.04	< 1.04	< 1.76	< 1.04	< 4.35	< 1.62	< 1.34	< 1.18
Bromodichloromethane	µg/m3	< 1.34	< 0.462	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.39	< 1.34	< 1.34	< 2.27	< 1.34	< 5.63	< 2.09	< 1.73	< 1.52
Bromoform	µg/m3	< 2.07	< 0.713	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.07	< 2.15	< 2.07	< 2.07	< 3.51	< 2.07	< 8.70	< 3.23	< 2.67	< 2.35
Bromomethane	µg/m3	< 0.777	< 0.268	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.777	< 0.808	< 0.777	< 0.777	< 1.32	< 0.777	< 3.27	< 1.21	< 1.00	< 0.881
Carbon disulfide	µg/m3	< 0.623	< 2.15	< 0.623	1.57	< 0.623	< 0.623	1.34	1.02	4.05	< 0.623	3.74	< 0.623	< 0.623	0.916	< 0.623	< 0.623	1.16	< 0.623	< 2.62	< 0.972	< 0.803	< 0.707
Chlorobenzene	µg/m3	< 0.921	< 1.59	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.921	< 0.958	< 0.921	< 0.921	< 1.56	< 0.921	< 3.87	< 1.44	< 1.19	< 1.05
Chloroethane	µg/m3	< 0.528	< 0.910	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.549	< 0.528	< 0.528	< 0.895	< 0.528	< 2.22	< 0.823	< 0.681	< 0.599
Chloroform	µg/m3	< 0.977	< 0.337	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	< 0.977	1.26	1.44	2.27	< 0.977	< 0.977	< 4.11	4.29	1.42	< 1.11
Chloromethane	µg/m3	1.28	1.45	1.32	1.41	< 0.413	1.48	1.41	1.35	1.64	< 0.413	1.68	< 0.413	< 0.413	0.541	1.31	< 0.413	< 0.700	< 0.413	< 1.74	< 0.644	< 0.533	< 0.469
cis-1,3-Dichloropropene	µg/m3	< 0.908	< 0.313	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.944	< 0.908	< 0.908	< 1.54	< 0.908	< 3.82	< 1.42	< 1.17	< 1.03
Cyclohexane	µg/m3	< 0.688	< 2.38	< 0.688	1.79	1.47	1.28	1.83	1.65	1.01	1.16	0.978	1.04	1.39	< 0.716	< 0.688	1.30	1.44	< 0.688	< 2.89	4.92	3.07	< 0.781
Dibromochloromethane	µg/m3	< 1.70	< 0.588	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.77	< 1.70	< 1.70	< 2.89	< 1.70	< 7.16	< 2.66	< 2.20	< 1.93
Dichlorodifluoromethane (Freon 12)	µg/m3	2.56	< 3.41	2.50	2.63	6.13	6.03	2.61	2.62	2.73	3.79	2.78	7.07	7.57	2.50	2.71	2.78	7.81	5.14	< 4.16	2.50	2.41	2.72
Ethanol	µg/m3	14.8	383	67.3	68.6	3,010	2,900	57.1	64.8	153	2,850	133	5,730	7,560	< 9.82	456	25.8	65.6	103	< 39.6	< 14.7	< 12.2	13.4
Ethyl acetate	µg/m3	< 1.80	< 6.20	< 1.80	< 1.80	15.1	12.6	1.95	< 1.80	3.36	13.6	2.76	27.7	32.7	< 1.88	< 1.80	< 1.80	< 3.06	< 1.80	< 7.57	< 2.81	< 2.33	< 2.05
Ethylbenzene	µg/m3	< 0.869	1.33	< 0.869	11.6	19.7	15.1	11.0	10.4	7.21	30.5	6.91	1.15	1.30	1.44	1.31	< 0.869	2.30	2.56	< 3.65	4.82	3.21	< 0.986
Ethylene dibromide	µg/m3	< 1.54	< 0.530	< 1.54	< 1.54	< 1.54</																	



SSDS Date: 1/31/22 Operator: Botting & Khanal

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01 ¹	NM	NM	NM	SW	VS-16 ¹	NM	NM	NM
	VS-02 ¹	NM	NM	NM		VS-17	-9	600	29
	VS-03 ¹	NM	NM	NM		VS-18	-8	453	22
NE	VS-04	-8	435	21		VS-19	-9	35	2
	VS-05	-8.5	46	2		VS-20	-9	111	5
	VS-06	-7	1810	89		VS-21	-9	325	16
SE	VS-07	-11.5	410	20		VS-22 ¹	NM	NM	NM
	VS-08	-11.5	580	28		VS-23	-9	266	13
	VS-09	-11.5	137	7		VS-24	-9	157	8
MID	VS-10	-12	363	18		VS-25 ¹	NM	NM	NM
	VS-11	-11	135	7		VS-26	-8	630	31
	VS-12	-11	180	9	NW	VS-27	-8	325	16
NW	VS-13	-8	270	13		VS-28	-8	248	12
	VS-14 ¹	NM	NM	NM		VS-29	-8	1090	54
	VS-15	-8.5	165	8	3" dia pipe =		0.0491 ft ²		

Permanent Monitor Point Pressures				
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point
NW	SSV-05	0.000	SW	SSV-18
	SSV-06 ¹	NM		SSV-19 ²
	SSV-07 ⁴	-1.295		SSV-20 ²
MID	SSV-08	-0.063	MID	SSV-21
	SSV-09 ²	NM		SSV-22
NE	SSV-10 ²	NM	SE	SSV-23 ³
	SSV-11	-0.106		SSV-24
SW	SSV-12 ²	NM	SW	SSV-25 ¹
	SSV-13 ²	NM		SSV-26 ¹
MID	SSV-14R	-0.004	NW	SSV-27 ¹
CENTER	SSV-15	-0.038		SSV-28
	SSV-16R	-0.797	SW	SSV-29 ¹
NE	SSV-17	-0.107		SSV-30
			MID	SSV-31

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	126
2 (NW)	Yes	NA	NA	103
3 (SE)	Yes	NA	NA	55
4 (NE)	Yes	NA	NA	112
5 (MID)	Yes	NA	NA	33
6 (CEN)	Yes	NA	NA	NA

Notes:

Notes

¹ VS-01, -02, -03, -14, -16, -22, -25 and SSV-29 could not be accessed.

² Could not locate SSV-09, -10, -12, -13, -19, -20.

³ SSV-23 has postive pressure.

⁴ SSV-07 pressure was not stabilizing - pressure paused and ERM took reading.

VS-17, -21, and -26 have crack in floor near base of pipe.

MW-18: DTW = 5.88



SSDS Date: 3/30/22 Operator: Botting & Khanal

Suction Point Pressure and Flow										
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm		Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01 ¹	-10	274	13	SW	VS-16 ¹	-14	350	17	
	VS-02 ¹	-10	324	16		VS-17	-15	250	12	
	VS-03 ¹	-9.5	196	10		VS-18	-13	270	13	
NE	VS-04	-9	385	19		VS-19	-13.5	267	13	
	VS-05	-9	252	12		VS-20	-13	436	21	
	VS-06	-9	1593	78		VS-21 ¹	NM	NM	NM	
SE	VS-07	-12	206	10		VS-22 ¹	NM	NM	NM	
	VS-08	-12	580	28		VS-23	-13	322	16	
	VS-09	-11	145	7		VS-24	-13	190	9	
MID	VS-10	-11	373	18		VS-25 ¹	NM	NM	NM	
	VS-11	-11	180	9		VS-26	-13	445	22	
	VS-12	-11	104	5	NW	VS-27	-9	240	12	
NW	VS-13	-9	150	7		VS-28	-8	171	8	
	VS-14	-8	580	28		VS-29	-9	1070	53	
	VS-15	-9	425	21		3" dia pipe = 0.0491 ft ²				

Permanent Monitor Point Pressures				
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point
NW	SSV-05	0.000	SW	SSV-18 ²
	SSV-06	-0.104		SSV-19 ³
	SSV-07 ⁴	-0.610		SSV-20 ³
MID	SSV-08	-0.044	MID	SSV-21
	SSV-09 ³	NM		SSV-22
NE	SSV-10 ³	NM	SE	SSV-23 ¹
	SSV-11	-0.100		SSV-24
SW	SSV-12 ³	NM	SW	SSV-25
	SSV-13 ³	NM		SSV-26
MID	SSV-14R	-0.009		SSV-27
CENTER	SSV-15	-0.041	NW	SSV-28
	SSV-16R	-0.595		SSV-29 ¹
NE	SSV-17	-0.134	MID	SSV-30
				SSV-31

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	124
2 (NW)	Yes	NA	NA	129
3 (SE)	Yes	NA	NA	46
4 (NE)	Yes	NA	NA	109
5 (MID)	Yes	NA	NA	32
6 (CEN)	Yes	NA	NA	39

Notes:

Notes

¹ VS-21, -22, -25 and SSV-23, and -29 could not be accessed.

² SSV-18 cannot be opened because covered in epoxy.

³ Could not locate SSV-09, -10, -12, -13, -19, -20.

⁴ SSV-07 pressure was not stabilizing (-0.610 to -0.736). Pressure paused and ERM took reading.

VS-01, -17, -21, -26, -28, and -29 have crack in floor near base of pipe.

Can hear water in VS-17.

MW-18: DTW = 3.99



SSDS Date: 5/17/22 Operator: Botting

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01	-10.5	319	16	SW	VS-16	-16.0	305	15
	VS-02	-10.5	820	40		VS-17	-17.0	100	5
	VS-03	-10.5	107	5		VS-18	-15.5	287	14
NE	VS-04	-12.0	525	26		VS-19	-16.0	38	2
	VS-05	-12.0	305	15		VS-20	-16.5	105	5
	VS-06	-12.5	NM	NM		VS-21	-16.5	309	15
SE	VS-07	-11.5	220	11		VS-22	-16.0	580	28
	VS-08	-12.0	NM	NM		VS-23	-16.0	338	17
	VS-09	-11.5	114	6		VS-24	-16.5	203	10
MID	VS-10	-11.0	371	18		VS-25	-16.5	93	5
	VS-11	-11.0	137	7		VS-26	-16.0	300	15
	VS-12	-11.0	134	7	NW	VS-27	-9.0	247	12
NW	VS-13	-9.5	446	22		VS-28	-9.0	151	7
	VS-14	-9.5	604	30		VS-29	-9.0	1254	62
	VS-15	-9.5	80	4	3" dia pipe = 0.0491 ft ²				

Permanent Monitor Point Pressures					
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point	Pressure, " WC
NW	SSV-05	-0.004	SW	SSV-18 ¹	-0.001
	SSV-06	-0.175		SSV-19 ²	NM
	SSV-07 ¹	1.508		SSV-20 ²	NM
MID	SSV-08 ¹	-0.084	MID	SSV-21 ¹	-0.123
	SSV-09 ²	NM		SSV-22 ¹	-0.022
NE	SSV-10 ²	NM	SE	SSV-23 ¹	-0.002
	SSV-11 ¹	-0.161		SSV-24 ¹	-0.090
SW	SSV-12 ²	NM	SW	SSV-25	-0.167
	SSV-13 ²	NM		SSV-26 ¹	-0.160
MID	SSV-14R ¹	-0.015		SSV-27	-0.008
CENTER	SSV-15	-0.097	NW	SSV-28	-0.010
	SSV-16R	-0.929		SSV-29 ¹	-0.120
NE	SSV-17	NM	MID	SSV-30 ¹	-0.120
				SSV-31	-0.343

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	130
2 (NW)	Yes	NA	NA	137
3 (SE)	Yes	NA	NA	16
4 (NE)	Yes	NA	NA	41
5 (MID)	Yes	NA	NA	32
6 (CEN)	Yes	NA	NA	61

Notes:

Notes

¹ Pressure reading was not stabilizing - pressure paused and ERM took reading.

² Could not locate SSV-09, -10, -12, -13, -19, -20.

VS-01, -02, -17, -21, -26, -28, and -29 have crack in floor near base of pipe.

Can hear water in VS-06 and -17.

SSV-29 cover and pin were missing. OB reinstalled pin and cover.

MW-18: DTW = 5.09



SSDS Date: 8/3/22 Operator: Botting

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01	-11.0	151	7	SW	VS-16	-18.5	305	15
	VS-02	-11.5	524	26		VS-17	-19.0	72	4
	VS-03	-11.5	151	7		VS-18	-19.0	130	6
NE	VS-04	-10.0	340	17		VS-19	-19.0	62	3
	VS-05	-10.0	306	15		VS-20	-16.0	158	8
	VS-06	-10.0	1186	58		VS-21	-19.5	397	19
SE	VS-07	-11.0	175	9		VS-22	NM	NM	NM
	VS-08	-12.0	330	16		VS-23	-18.5	304	15
	VS-09	-11.5	206	10		VS-24	-19.0	195	10
MID	VS-10	-11.0	325	16		VS-25	NM	NM	NM
	VS-11	-10.0	125	6		VS-26	-19.0	152	7
	VS-12	-11.0	61	3	NW	VS-27	-12.0	193	9
NW	VS-13	-11.0	160	8		VS-28	-12.0	126	6
	VS-14	-12.0	551	27		VS-29	-12.0	971	48
	VS-15	-12.0	48	2	3" dia pipe =		0.0491 ft ²		

Permanent Monitor Point Pressures					
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point	Pressure, " WC
NW	SSV-05	-0.016	SW	SSV-18	-0.003
	SSV-06	-0.285		SSV-19 ²	NM
	SSV-07 ¹	-0.664		SSV-20 ²	NM
MID	SSV-08	-0.074	MID	SSV-21	-0.155
	SSV-09 ²	NM		SSV-22	-0.011
NE	SSV-10 ²	NM	SE	SSV-23	-0.008
	SSV-11	-0.218		SSV-24	-0.085
SW	SSV-12 ²	NM	SW	SSV-25	-0.365
	SSV-13 ²	NM		SSV-26	-0.748
MID	SSV-14R	-0.340	NW	SSV-27	-0.021
CENTER	SSV-15	-0.122		SSV-28	-0.007
	SSV-16R	-0.950	SW	SSV-29	-0.699
NE	SSV-17	-0.205	MID	SSV-30	-0.110
				SSV-31	-0.353

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	87
2 (NW)	Yes	NA	NA	101
3 (SE)	Yes	NA	NA	35
4 (NE)	Yes	NA	NA	90
5 (MID)	Yes	NA	NA	25
6 (CEN)	Yes	NA	NA	41

Notes:

Notes

¹ Pressure reading was not stabilizing - pressure paused and ERM took reading. Water present in casing with organic

² Could not locate SSV-09, -10, -12, -13, -19, -20.

VS-01, -02, -17, -21, -23, -26, -28, and -29 have crack in floor near base of pipe.

Can hear water in VS-06 and -17.

Port was missing from VS-08. OB found and replaced it.

MW-18: DTW = 7.23



SSDS Date: 11/9/22 Operator: Maddox & Popyack

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01 ^{1, 2}	NM	NM	NM	SW	VS-16			
	VS-02 ²	NM	NM	NM		VS-17			
	VS-03 ^{1, 2}	-12.0	NM	NM		VS-18			
NE	VS-04 ³	-9.0	273	13		VS-19			
	VS-05 ³	-9.0	103	5		VS-20			
	VS-06 ³	-8.5	734	36		VS-21			
NE	VS-04 ⁴	-6.5	200	10		VS-22			
	VS-05 ⁴	-9.5	299	15		VS-23			
	VS-06 ⁴	-9.0	1510	74		VS-24			
SE	VS-07	-11.5	178	9		VS-25			
	VS-08	-11.5	584	29		VS-26			
	VS-09	-11.0	214	11	NW	VS-27			
MID	VS-10	-11.5	531	26		VS-28			
	VS-11	-11.5	191	9		VS-29			
	VS-12	-11.0	203	10	3" dia pipe = 0.0491 ft ²				
NW	VS-13								
	VS-14								
	VS-15								

Permanent Monitor Point Pressures					
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point	Pressure, " WC
NW	SSV-05		SW	SSV-18	
	SSV-06			SSV-19	
	SSV-07	+0.363		SSV-20	
MID	SSV-08	-0.054	MID	SSV-21	-0.086
	SSV-09			SSV-22	-0.006
NE	SSV-10		SE	SSV-23	-0.003
	SSV-11	-0.123		SSV-24	-0.037
SW	SSV-12		SW	SSV-25	
	SSV-13			SSV-26	
MID	SSV-14R	+0.006	NW	SSV-27	
CENTER	SSV-15	-0.068		SSV-28	
	SSV-16R	-0.245	MID	SSV-29	
NE	SSV-17	-0.103		SSV-30	
				SSV-31	

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	NM
2 (NW)	Yes	NA	NA	NM
3 (SE)	Yes	NA	NA	48
4 (NE)	Yes	NA	NA	54
5 (MID)	Yes	NA	NA	45
6 (CEN)	Yes	NA	NA	NM

Notes:

Notes

Gauging data presented here is pre-installation of flow control valves on VS-09, -10, and -11 to reduce their contribution in preference to TCE impacted areas in the East end of the building. See 11/10/22 data for adjusted vacuum and flow. Data for VS-04, -05, and -06 gives both before and after throttling back VS-04 on this date.

¹ VS-01 and -03 flow data not available. The anemometer probe is obstructed by stored material before the ports.

² Background readings for VS-01, -02, and -03 were taken 11/10/22 after the leak at grade on VS-02 was patched. The

³ Before regulating VS-04 flow.

⁴ After installing valve on VS-04 and setting ~30% open



SSDS Date: 11/10/22 Operator: Maddox & Mills

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01 ¹	-11.5	NA	NM	SW	VS-16			
	VS-02 ¹	-11.5	572	28		VS-17			
	VS-03 ¹	-11.5	NA	NM		VS-18			
Center	VS-01 ²	-9.0	NA	NM		VS-19			
	VS-02 ²	-9.0	116	6		VS-20			
	VS-03 ²	-12.0	NA	NM		VS-21			
NE	VS-04					VS-22			
	VS-05					VS-23			
	VS-06					VS-24			
SE	VS-07 ³	-11.0	173	8		VS-25			
	VS-08 ³	-11.0	796	39		VS-26			
	VS-09 ³	-10.5	158	8	NW	VS-27			
MID	VS-10 ⁴	-11.5	112	5		VS-28			
	VS-11 ⁴	-10.5	183	9		VS-29			
	VS-12 ⁴	-11.0	224	11	3" dia pipe = 0.0491 ft ²				
NW	VS-13								
	VS-14								
	VS-15								

Permanent Monitor Point Pressures					
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point	Pressure, " WC
NW	SSV-05		SW	SSV-18	
	SSV-06			SSV-19	
	SSV-07			SSV-20	
MID	SSV-08	-0.049	MID	SSV-21	-0.092
	SSV-09			SSV-22	-0.010
NE	SSV-10		SE	SSV-23	
	SSV-11			SSV-24	-0.055
SW	SSV-12		SW	SSV-25	
	SSV-13			SSV-26	
MID	SSV-14R		SW	SSV-27	
CENTER	SSV-15	-0.062		SSV-28	
	SSV-16R	-0.221	SW	SSV-29	
NE	SSV-17	-0.104		SSV-30	
			MID	SSV-31	

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	NM
2 (NW)	Yes	NA	NA	NM
3 (SE)	Yes	NA	NA	55
4 (NE)	Yes	NA	NA	NM
5 (MID)	Yes	NA	NA	25
6 (CEN)	Yes	NA	NA	6

Notes:

Notes

- ¹ Before reducing flow from VS-01 and -02. VS-02 leak at grade had been repaired.
- ² After throttling back VS-01 and -02, valves set at ~30% open. Stored materials in front of VS-01 and -03 precluded
- ³ After installing a valve on VS-09 and setting at ~30% open. See 11/9/22 sheet for pre-adjustment values.
- ⁴ After installing valves on VS-10 and -11 and setting at ~30% open. See 11/9/22 sheet for pre-adjustment values.



SSDS Date: 12/7/22 Operator: Botting & Inkawich

Suction Point Pressure and Flow									
Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm	Zone	SSDS point	Pressure, " WC	Flow, fpm	Flow, cfm
Center	VS-01	-9.0	NM	NM	SW	VS-16	-16.0	269	13
	VS-02	-11.5	139	7		VS-17	-16.5	180	9
	VS-03	-12.0	190	9		VS-18	-16.0	327	16
NE	VS-04	-6.5	383	19		VS-19	-16.5	256	13
	VS-05	-11.5	331	16		VS-20	-16.5	99	5
	VS-06	-11.5	NM	NM		VS-21	-16.5	243	12
SE	VS-07	-11.5	265	13		VS-22	-16.0	633	31
	VS-08	-11.5	636	31		VS-23	-16.0	328	16
	VS-09	-11.0	122	6		VS-24	-16.5	231	11
MID	VS-10	-11.0	280	14		VS-25	-16.5	86	4
	VS-11	-11.0	155	8		VS-26	-16.0	129	6
	VS-12	-11.0	154	8	NW	VS-27	-10.0	253	12
NW	VS-13	-10.0	212	10		VS-28	-10.0	173	8
	VS-14	-10.5	515	25		VS-29	-10.5	1109	54
	VS-15	-10.5	136	7	3" dia pipe =		0.0491 ft ²		

Permanent Monitor Point Pressures					
Zone	Monitor Point	Pressure, " WC	Zone	Monitor Point	Pressure, " WC
NW	SSV-05	-0.004	SW	SSV-18	-0.001
	SSV-06	-0.174		SSV-19 ²	NM
	SSV-07 ¹	+0.392		SSV-20 ²	NM
MID	SSV-08	-0.063	MID	SSV-21	-0.085
	SSV-09 ²	NM		SSV-22	-0.005
NE	SSV-10 ²	NM	SE	SSV-23	-0.033
	SSV-11	-0.103		SSV-24	-0.083
SW	SSV-12	NM	SW	SSV-25	-0.132
	SSV-13	-0.119		SSV-26	-0.098
MID	SSV-14R	-0.011	SW	SSV-27	-0.006
CENTER	SSV-15	-0.057		SSV-28	-0.004
	SSV-16R	-0.352	SW	SSV-29	NM
NE	SSV-17	-0.144	MID	SSV-30	-0.048
				SSV-31	-0.103

SSD Blower performance				
Fan #	Running?	P, "WC	Amps	Total Flow, cfm
1 (SW)	Yes	NA	NA	137
2 (NW)	Yes	NA	NA	118
3 (SE)	Yes	NA	NA	50
4 (NE)	Yes	NA	NA	35
5 (MID)	Yes	NA	NA	29
6 (CEN)	Yes	NA	NA	16

Notes:

Notes

¹ Water present in casing with organic odor. Equipment flashed error then 0.392. ERM took reading.

² Could not locate SSV-09, -10, -19, -20.

VS-18 and -26 have crack in floor near base of pipe.

Can hear water in VS-06 and -17.

MW-18: DTW = 4.38



Location	Pressure, " WC			Flow, fpm			Flow, cfm		
	Maximum	Minimum	Range	Maximum	Minimum	Range	Maximum	Minimum	Range
VS-01	-11.5	-9	-2.5	319	151	168	15.659	6.823	8.836
VS-02	-11.5	-10	-1.5	820	139	681	40.252	6.823	33.429
VS-03	-12	-9.5	-2.5	196	107	89	9.621	5.252	4.369
VS-04	-12	-6.5	-5.5	525	273	252	25.771	9.818	15.953
VS-05	-12	-8.5	-3.5	331	46	285	16.248	2.258	13.990
VS-06	-12.5	-7	-5.5	1810	734	1076	88.848	36.030	52.818
VS-07	-12	-11	-1	410	173	237	20.126	8.492	11.634
VS-08	-12	-11	-1	796	330	466	39.074	16.199	22.875
VS-09	-11.5	-10.5	-1	214	114	100	10.505	5.596	4.909
VS-10	-12	-11	-1	531	112	419	26.065	5.498	20.568
VS-11	-11.5	-10	-1.5	191	125	66	9.376	6.136	3.240
VS-12	-11	-11	0	224	61	163	10.996	2.994	8.001
VS-13	-11	-8	-3	446	150	296	21.893	7.363	14.530
VS-14	-12	-8	-4	604	515	89	29.649	25.280	4.369
VS-15	-12	-8	-4	425	48	377	20.862	2.356	18.506
VS-16	-18.5	-14	-4.5	350	269	81	17.181	13.205	3.976
VS-17	-19	-9	-10	600	72	528	29.453	3.534	25.918
VS-18	-19	-8	-11	453	130	323	22.237	6.381	15.855
VS-19	-19	-9	-10	267	35	232	13.106	1.718	11.388
VS-20	-16.5	-9	-7.5	436	99	337	21.402	5.154	16.248
VS-21	-19.5	-9	-10.5	397	243	154	19.488	11.928	7.559
VS-22	-16	-16	0	633	580	53	31.072	28.471	2.602
VS-23	-18.5	-9	-9.5	338	266	72	16.592	13.057	3.534
VS-24	-19	-9	-10	231	157	74	11.339	7.707	3.632
VS-25	-16.5	-16.5	0	93	86	7	4.565	4.222	0.344
VS-26	-19	-8	-11	630	129	501	30.925	6.332	24.593
VS-27	-12	-8	-4	325	193	132	15.953	9.474	6.480
VS-28	-12	-8	-4	248	126	122	12.174	6.185	5.989
VS-29	-12	-8	-4	1254	971	283	61.556	47.664	13.892
SSV-05	0	-0.016	0.016	--	--	--	--	--	--
SSV-06	-0.285	-0.104	-0.181	--	--	--	--	--	--
SSV-07	-1.295	1.508	-2.803	--	--	--	--	--	--
SSV-08	-0.084	-0.044	-0.040	--	--	--	--	--	--
SSV-09	NA	NA	NA	--	--	--	--	--	--
SSV-10	NA	NA	NA	--	--	--	--	--	--
SSV-11	-0.218	-0.100	-0.118	--	--	--	--	--	--
SSV-12	NA	NA	NA	--	--	--	--	--	--
SSV-13	-0.119	NA	NA	--	--	--	--	--	--
SSV-14R	-0.340	+0.006	-0.346	--	--	--	--	--	--
SSV-15	-0.122	-0.038	-0.084	--	--	--	--	--	--
SSV-16R	-0.950	-0.221	-0.729	--	--	--	--	--	--
SSV-17	-0.205	-0.103	-0.102	--	--	--	--	--	--
SSV-18	-0.587	-0.001	-0.586	--	--	--	--	--	--
SSV-19	NA	NA	NA	--	--	--	--	--	--
SSV-20	NA	NA	NA	--	--	--	--	--	--
SSV-21	-0.155	-0.041	-0.114	--	--	--	--	--	--
SSV-22	-0.022	-0.001	-0.021	--	--	--	--	--	--
SSV-23	-0.033	0.002	-0.035	--	--	--	--	--	--
SSV-24	-0.090	-0.037	-0.053	--	--	--	--	--	--
SSV-25	-0.365	-0.075	-0.290	--	--	--	--	--	--
SSV-26	-0.748	-0.059	-0.689	--	--	--	--	--	--
SSV-27	-0.021	-0.001	-0.020	--	--	--	--	--	--
SSV-28	-0.010	-0.001	-0.009	--	--	--	--	--	--
SSV-29	-0.699	-0.120	-0.579	--	--	--	--	--	--
SSV-30	-0.120	-0.048	-0.072	--	--	--	--	--	--
SSV-31	-0.353	-0.103	-0.250	--	--	--	--	--	--

Notes

NA = Measurement issues, see Appendix B, Tables 1-4

-- = Not Measured

Table 11
JANUARY 1, 2022 through DECEMBER 31, 2022
INFLUENT AND EFFLUENT ANALYTICAL SUMMARY
2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Influent from MH-1					Influent from MH-2					Air Stripper Effluent					Monthly Average VOC's
	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	
Permit Limit											10	10	10	10		
1/5/2022	1.4	21	<5	1.1	28.5	<50	750	<50	1200	2050	<5	4.6	<5	5.4	20	
1/12/2022											<5	<5	<5	<5	20	
1/19/2022											<5	0.62	<5	0.61	11.23	
1/27/2022											<5	<5	<5	<5	20	18.2
2/2/2022	1.4	24	<5	0.86	31.26	<100	550	<100	860	1610	<5	<5	<5	<5	20	
2/10/2022											<5	<5	<5	<5	20	
2/17/2022											<5	0.65	<5	<5	15.65	
2/23/2022											<5	<5	<5	<5	20	18.9
3/1/2022	1.5	25	<5	0.95	32.45	<100	790	<100	1300	2290	<5	<5	<5	<5	20	
3/10/2022											<5	<5	<5	<5	20	
3/16/2022											<5	<5	<5	<5	20	
3/23/2022											<5	1.2	<5	1.5	12.7	
3/29/2022											<5	<5	<5	<5	20	18.8
4/7/2022	2.6	21	<5	1.2	29.8	<200	1300	<200	2400	4100	<5	<5	<5	<5	20	
4/13/2022											<5	<5	<5	<5	20	
4/19/2022											<5	<5	<5	<5	20	
4/26/2022											<5	0.96	<5	<5	15.96	19.0
5/2/2022	2.3	21	0.7	1.4	25.4	<200	970	<200	2500	3870	5.1	33	<5	1.5	44.6	
5/10/2022											<5	<5	<5	<5	20	
5/18/2022											<5	<5	<5	<5	20	
5/25/2022											<5	<5	<5	<5	20	24.9
6/1/2022	<5	190	0.93	320	515.93	0	0	0.71	0	0.71	<5	<5	<5	<5	20	
6/7/2022											<5	<5	<5	<5	20	
6/15/2022											5	5	5	5	20	
6/22/2022											<5	<5	<5	<5	20	
6/30/2022											<5	10	<5	10	30	22.0
7/5/2022	2.5	29	<5	12	48.5			0.71		0.71	<5	<5	<5	<5	20	
7/14/2022											<5	3.4	<5	2.4	15.8	
7/20/2022											<5	6.9	<5	<5	21.9	
7/28/2022											<5	<5	<5	<5	20	19.4
8/4/2022	<5	94	1.1	110	210.1	0.38	220	<5	380	605.38	<5	0.29	<5	<5	15.29	
8/11/2022											<5	42	<5	49	101	
8/17/2022											<5	21	<5	22	53	
8/25/2022											<5	<5	<5	<5	20	41.9

Table 11
JANUARY 1, 2022 through DECEMBER 31, 2022
INFLUENT AND EFFLUENT ANALYTICAL SUMMARY
2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	Influent from MH-1					Influent from MH-2					Air Stripper Effluent					Monthly Average VOC's
	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	Vinyl Chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Total VOC's	
9/1/2022	1.3	33	<5	1.7	41	<50	250	50	360	710	<5	<5	<5	<5	20	
9/7/2022											<5	1	<5	<5	16	
9/15/2022											<5	0.68	<5	<5	15.68	
9/21/2022											<5	0.65	<5	<5	15.65	
9/28/2022											<5	<5	<5	<5	20	17.5
10/6/2022	<5	18	<5	3.1	31.1	<50	280	1.6	430	761.6	<5	39	<5	52	101	
10/12/2022											<5	<5	<5	<5	20	
10/21/2022											<5	9.5	<5	10	29.5	
10/26/2022											<5	0.72	<5	<5	15.72	39.1
11/2/2022	<5	20	<5	2.4	32.4	<50	280	<50	450	830	<5	<5	<5	<5	20	
11/9/2022											<5	<5	<5	<5	20	
11/15/2022											<5	<5	<5	<5	20	
11/22/2021											<5	<5	<5	<5	20	
11/22/2022											<5	<5	<5	0.61	15.61	19.1
12/6/2022	<5	16	<5	2.3	28.3	<50	330	<50	530	960	<5	<5	<5	<5	20	
12/14/2022											<5	<5	<5	<5	20	
12/14/2022											<5	4.1	<5	5.3	19.4	
12/21/2022											<5	<5	<5	<5	20	
12/27/2022											<5	<5	<5	<5	20	19.9

Notes:

- 1) All values reported in micrograms per liter (ug/L), approximately equivalent to parts per billion (ppb).
- 2) VOCs = Volatile Organic Compounds.

TABLE 12
2022 AIR STRIPPER AND MANHOLE FLOW SUMMARY

2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
1/5/2022	5,270
1/12/2022	4,531
1/19/2022	4,276
1/27/2022	3,475
Average Monthly Flow (gpd) 4,356	
2/2/2022	2,968
2/10/2022	3,234
2/17/2022	3,276
2/23/2022	6,462
Average Monthly Flow (gpd) 3,903	
3/1/2022	6,430
3/10/2022	3,345
3/16/2022	5,528
3/23/2022	5,870
3/29/2022	5,180
Average Monthly Flow (gpd) 5,118	
4/7/2022	4,368
4/13/2022	8,198
4/19/2022	6,397
4/26/2022	8,779
Average Monthly Flow (gpd) 6,726	
5/2/2022	4,280
5/10/2022	4,211
5/18/2022	3,294
5/25/2022	3,249
Average Monthly Flow (gpd) 3,740	
6/1/2022	2,587
6/7/2022	2,521
6/15/2022	3,844
6/22/2022	3,469
6/30/2022	2,638
Average Monthly Flow (gpd) 3,038	
7/5/2022	3,815
7/14/2022	628
7/20/2022	1,869
7/28/2022	887
Average Monthly Flow (gpd) 1,537	

TABLE 12
2022 AIR STRIPPER AND MANHOLE FLOW SUMMARY

2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Date	Average Flow During Monitoring Period (gpd)
8/4/2022	2,577
8/11/2022	748
8/17/2022	1,354
8/25/2022	6,066
Average Monthly Flow (gpd) 2,854	
9/1/2022	9,447
9/7/2022	10,052
9/15/2022	950
9/21/2022	11,302
9/28/2022	11,555
Average Monthly Flow (gpd) 8,316	
10/6/2022	10,291
10/12/2022	8,011
10/21/2022	8,305
10/26/2022	6,155
Average Monthly Flow (gpd) 8,425	
11/2/2022	6,214
11/9/2022	6,434
11/15/2022	7,751
11/22/2021	8,336
11/22/2022	8,336
Average Monthly Flow (gpd) 7,163	
12/1/2022	7,549
12/6/2022	9,779
12/14/2022	5,873
12/21/2022	14,202
12/27/2022	20,802
Average Monthly Flow (gpd) 20,802	

Summary of Manhole Flow for
January 1, 2022 through December 31, 2022

Total Flow	Totalizer Readings		Total (Gallons)	Total (GPD)
	Begin	End		
MH-1	16,635,511	17,482,830	847,319	2,334
MH-2	25,571,467	26,695,499	1,124,032	3,097
Total 2022 Flow:			1,971,351	5,431

Note:

- 1) gpd = gallons per day.
- 2) Average flow data is calculated from data collected during site visits.
- 3) Total Air Stripper flow includes total flows of MH-1 and MH-2.

TABLE 13
JANUARY 1, 2022 - DECEMBER 31, 2022 AIR STRIPPER MASS REMOVAL SUMMARY

2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Month	Air Stripper Influent - Average Monthly VOC¹ Concentration (µg/l)²	Air Stripper Effluent - Average Monthly VOC Concentration⁵ (µg/l)	VOC's Removed (µg/l)	% VOC's Removed	Air Stripper Effluent - Average Monthly Flow (gpd)³	VOC's Removed (lbs)⁴
Jan	1,076	18.25	1,058	98.3	4,356	1.1
Feb	911	18.91	892	97.9	3,903	0.8
Mar	1,074	18.78	1,055	98.3	5,118	1.5
Apr	1,996	18.99	1,977	99.0	6,726	3.1
May	2,608	24.92	2,583	99.0	3,740	2.3
Jun	435	22.00	413	94.9	3,038	0.4
Jul	49	19.43	30	60.4	1,537	0.0
Aug	461	41.86	419	90.9	2,854	0.3
Sep	596	17.47	579	97.1	8,316	1.4
Oct	543	39.14	504	92.8	8,425	1.0
Nov	592	19.12	573	96.8	7,163	0.9
Dec	466	19.88	446	95.7	9,269	1.2
2022 Average (%):				93.4	2022 Total (lbs):	14.0

Notes:

- 1) VOCs = volatile organic compounds
- 2) ug/l = micrograms per liter, approximately equivalent to parts per billion (ppb)
- 3) gpd = gallons per day
- 4) lbs = pounds
- 5) Eurofins Environment Testing Northeast typical method detection limit equals 5.0 ug/L or 1.0 ug/L. Therefore, mass removal calculations are based on an estimated value of 5.0 ug/L or 1.0 ug/L, respectively.

TABLE 14
JANUARY 1, 2022 - DECEMBER 31, 2022
SUMMARY OF SPDES OUTFALL-03A ANALYTICAL RESULTS
2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

Sample Date	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	TCE (µg/L)	VC (µg/L)	Flow (Avg. GPD)	pH (SU)
Permit Limits	10	10	10	10		
1/5/2022	4.6	<5	5.4	<5	5270	8.79
1/12/2022	<5	<5	<5	<5	4531	7.2
1/19/2022	0.62	<5	0.61	<5	4276	6.8
1/27/2022	<5	<5	<5	<5	3475	7.1
2/2/2022	<5	<5	<5	<5	2968	7.40
2/10/2022	<5	<5	<5	<5	3234	7.7
2/17/2022	0.65	<5	<5	<5	3276	7.5
2/23/2022	<5	<5	<5	<5	6462	7.3
3/1/2022	<5	<5	<5	<5	6430	7.4
3/10/2022	<5	<5	<5	<5	3345	6.9
3/16/2022	<5	<5	<5	<5	5528	7.4
3/23/2022	<5	<5	1.5	<5	5870	6.7
3/31/2021	<5	<5	<5	<5	5180	6.7
4/7/2022	<5	<5	<5	<5	4368	6.5
4/13/2022	<5	<5	<5	<5	8198	6.8
4/19/2022	<5	<5	<5	<5	6397	6.7
4/26/2022	0.96	<5	<5	<5	8779	6.8
5/2/2022	33	<5	1.5	5.1	4280	7.40
5/10/2022	<5	<5	<5	<5	4211	6.8
5/18/2022	<5	<5	<5	<5	3294	7.5
5/25/2022	<5	<5	<5	<5	3249	7
6/1/2022	<5	<5	<5	<5	2587	7.5
6/7/2022	<5	<5	<5	<5	2521	6.7
6/15/2022	5	5	5	5	3844	6.6
6/22/2022	<5	<5	<5	<5	3469	6.6
6/30/2022	10	<5	10	<5	2638	7.3
7/5/2022	<5	<5	<5	<5	3815	6.9
7/14/2022	3.4	<5	2.4	<5	628	7.1
7/20/2022	6.9	<5	<5	<5	1869	6.9
7/28/2022	<5	<5	<5	<5	887	6.3
8/4/2022	0.29	<5	<5	<5	2577	6.2
8/11/2022	42	<5	49	<5	748	7.10

TABLE 14
JANUARY 1, 2022 - DECEMBER 31, 2022
SUMMARY OF SPDES OUTFALL-03A ANALYTICAL RESULTS
2022 ANNUAL OM&M REPORT
2200 BLEECKER STREET, UTICA, NEW YORK
NYSDEC SITE NO. 622003

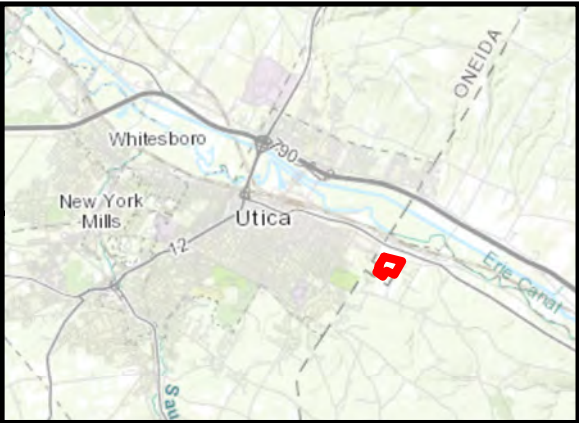
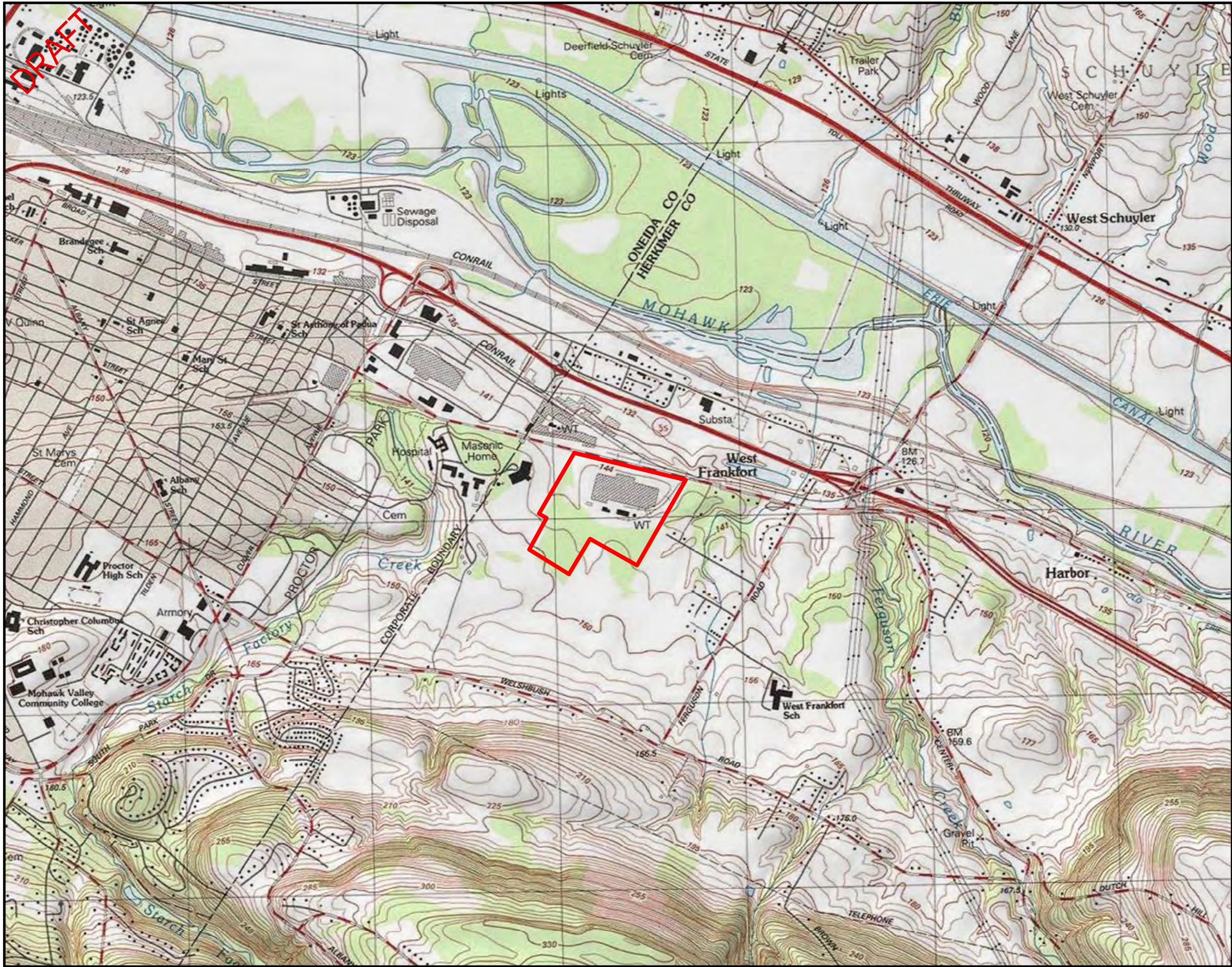
Sample Date	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	TCE (µg/L)	VC (µg/L)	Flow (Avg. GPD)	pH (SU)
Permit Limits	10	10	10	10		
8/17/2022	21	<5	22	<5	1354	6.9
8/25/2022	<5	<5	<5	<5	6066	7.4
9/1/2022	<5	<5	<5	<5	9447	7.1
9/7/2022	1	<5	<5	<5	10052	7.3
9/15/2022	0.68	<5	<5	<5	950	7.1
9/21/2022	0.65	<5	<5	<5	11302	7.3
9/28/2022	<5	<5	<5	<5	11555	6.6
10/6/2022	39	<5	52	<5	10291	7.1
10/12/2022	<5	<5	<5	<5	8011	7.3
10/21/2022	9.5	<5	10	<5	8305	7.2
10/26/2022	0.72	<5	<5	<5	6155	7.1
11/2/2022	<5	<5	<5	<5	6214	6.4
11/9/2022	<5	<5	<5	<5	6434	7.4
11/15/2022	<5	<5	<5	<5	7751	7.4
11/22/2021	<5	<5	<5	<5	8336	7.3
11/22/2022	<5	<5	0.61	<5	8336	6.8
12/1/2022	<5	<5	<5	<5	7549	7.3
12/6/2022	<5	<5	<5	<5	9779	7.4
12/14/2022	4.1	<5	5.3	<5	5873	7.2
12/21/2022	<5	<5	<5	<5	14202	7.3

Notes:

- 1) cis-1,2-DCE = cis-1,2-Dichloroethene
- 2) trans-1,2-DCE = trans-1,2-Dichloroethene
- 3) TCE = Trichloroethylene
- 4) VC = Vinyl Chloride
- 5) ug/L = micrograms per liter
- 6) gpd = gallons per day.

FIGURES

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Legend
Approximate Site Boundary

NOTES:
- Aerial Imagery: ESRI World Imagery
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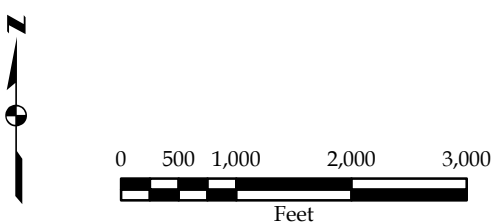
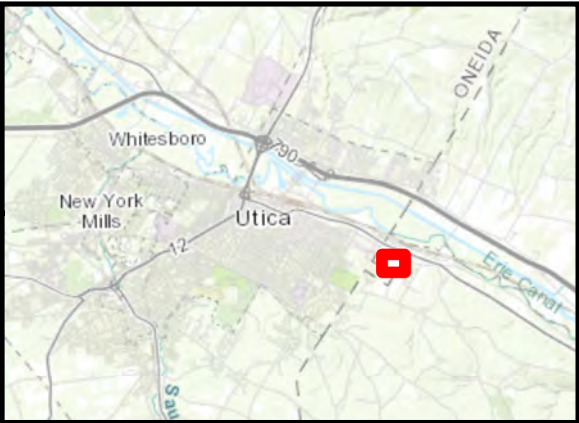
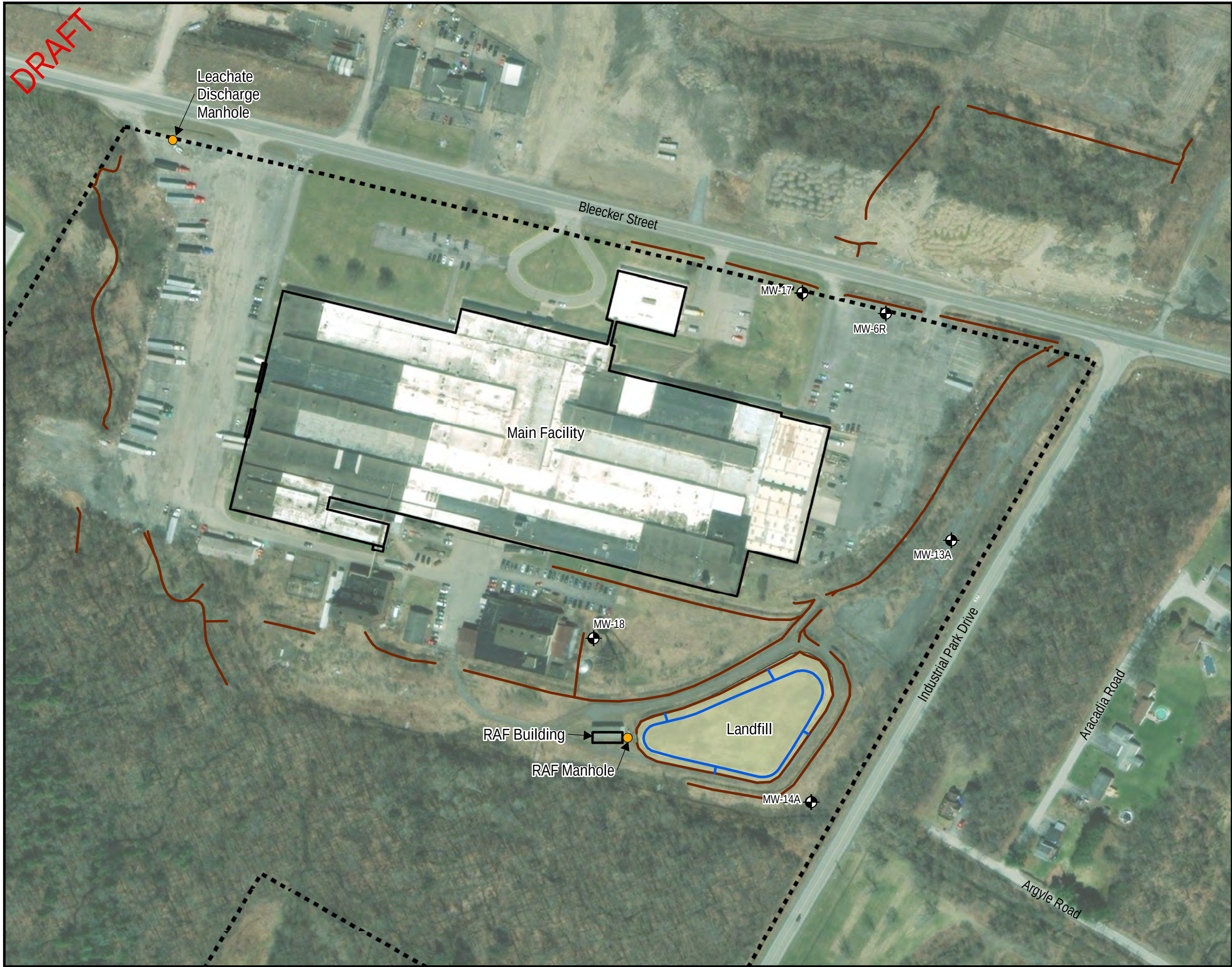


Figure 1: Site Location Map
Vontier - Former Chicago Pneumatic
Utica, NY



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- Legend
- Monitoring Well Location
 - Manhole Location
 - Site Drainage
 - Landfill Discharge Pipes
 - Landfill Boundary
 - Facility Boundary
 - Approximate Site Boundary

NOTES:

- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
- Reproduced under license in ArcGIS 10.5

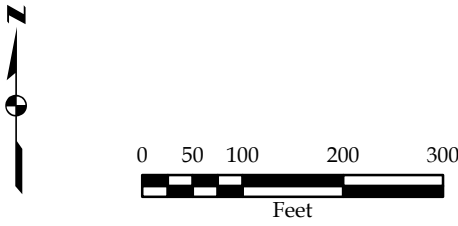
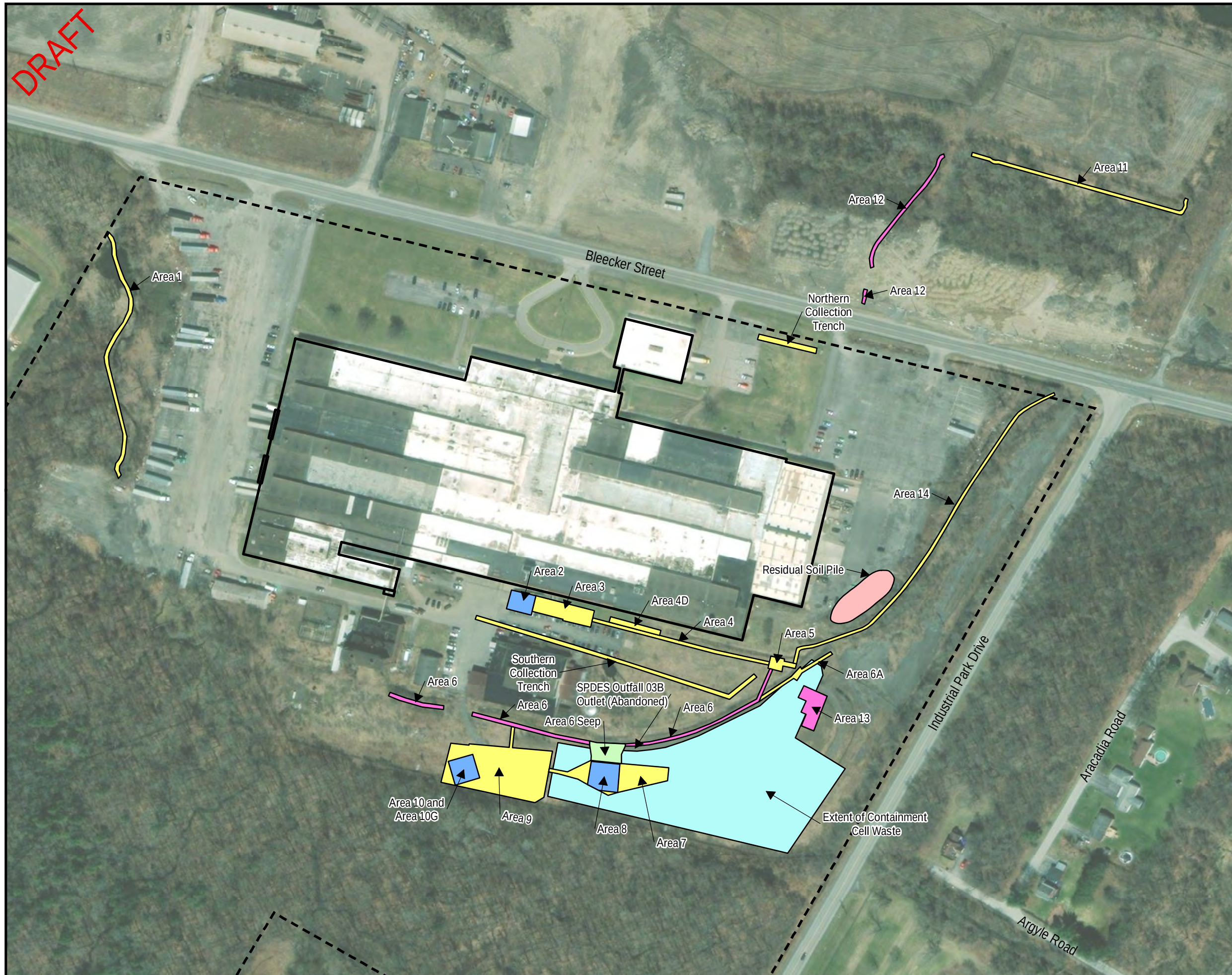


Figure 2: Site Layout Map
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Excavation Area requiring placement into the on-site containment cell (VOC concentration <10 ppm, PCBs <50 ppm)
- Excavation Area requiring placement into the SVE portion of the on-site containment cell (VOC concentration >10 ppm, PCBs <50 ppm)
- Excavation Area requiring off-site disposal (VOC concentration >10 ppm)
- Excavation Area requiring off-site disposal as a TSCA-regulated material (PCB concentration >50 ppm)
- Excavated select waste (Topsoil)
- Residual Soil Pile Location
- Facility Boundary
- Approximate Site Boundary

NOTES:

- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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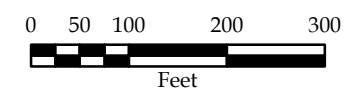
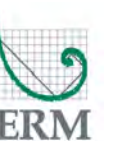
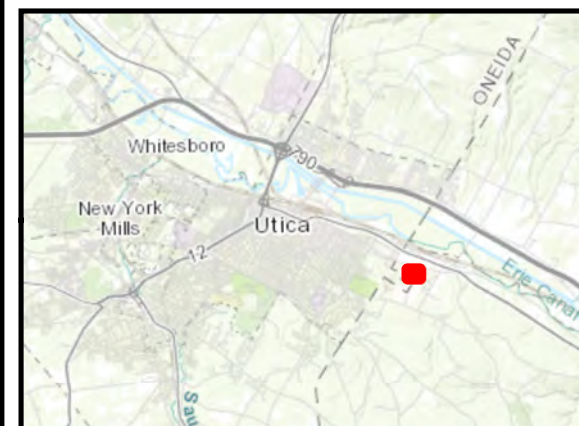


Figure 3: Historical Remedial Action Areas
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Monitoring Well Location
- Manhole Location
- Landfill Vent
- Fire Hydrant
- Water Tower
- Facility Boundary
- Site Drainage
- Landfill Discharge Pipes
- Elevation Contour
- Leachate Collection Pipe (Cleanout)
- Fence
- Poles
- Support Pipe
- Valve
- Sewer Vent
- Woods
- Utilities
 - Sanitary
 - Storm
 - Old Storm
 - Electric
 - Telephone
 - IRM Piping
 - Other Piping

NOTES:
- Elevation contours are in feet (ft.)
- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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Figure 4: Remedial Action Facility Plan
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- RAF Building Features
- Landfill Contour Line
- Site Drainage
- Landfill Discharge Pipes
- Leachate Collection Pipe (Cleanout)
- Landfill Boundary
- Manhole
- Leachate Conveyance Pipe
- Floor Sump
- Perimeter Road
- RAF Building Boundary

NOTES:

- Elevation contours are in feet above ground surface (ft. ags)
- The 18" Manhole located in the Tank Area is on top of the tank.
- Site features digitized from Synapse CAD files
- Aerial Imagery: ESRI World Imagery
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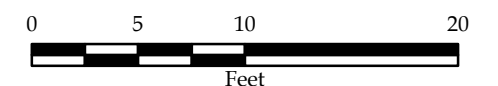


Figure 5: Building, Tank, Piping Plan
Vontier - Former Chicago Pneumatic
Utica, NY



Figure 6 - Cumulative Leachate Generation

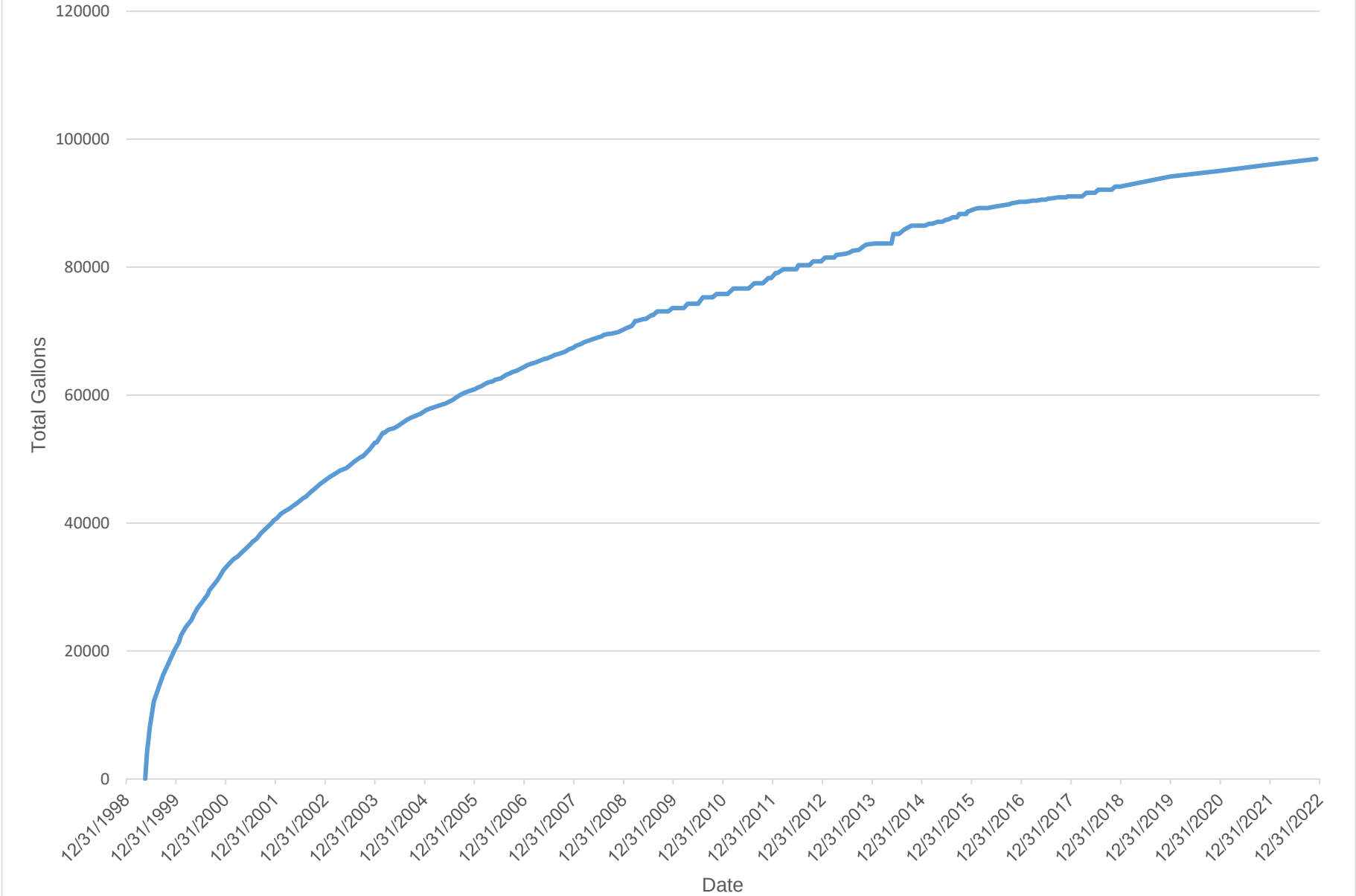
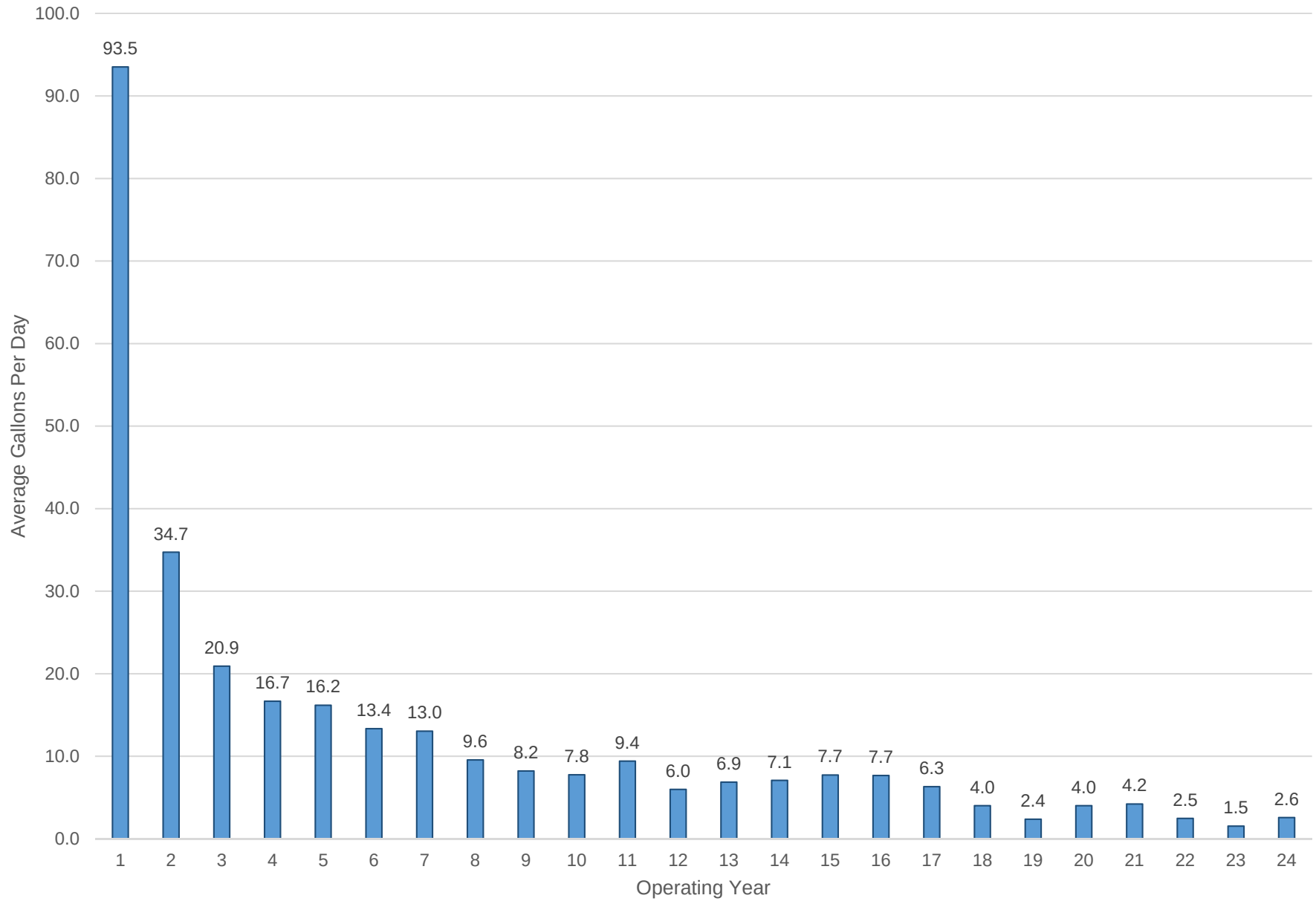
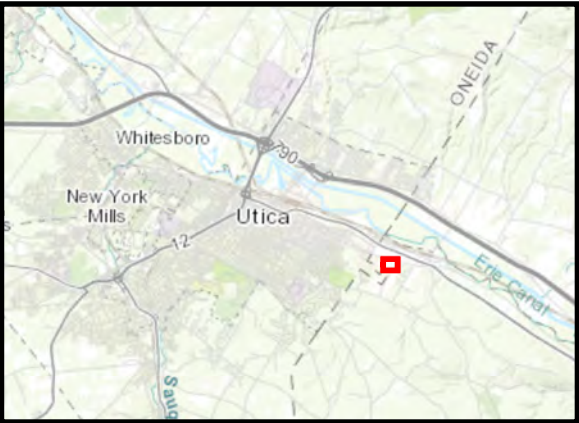
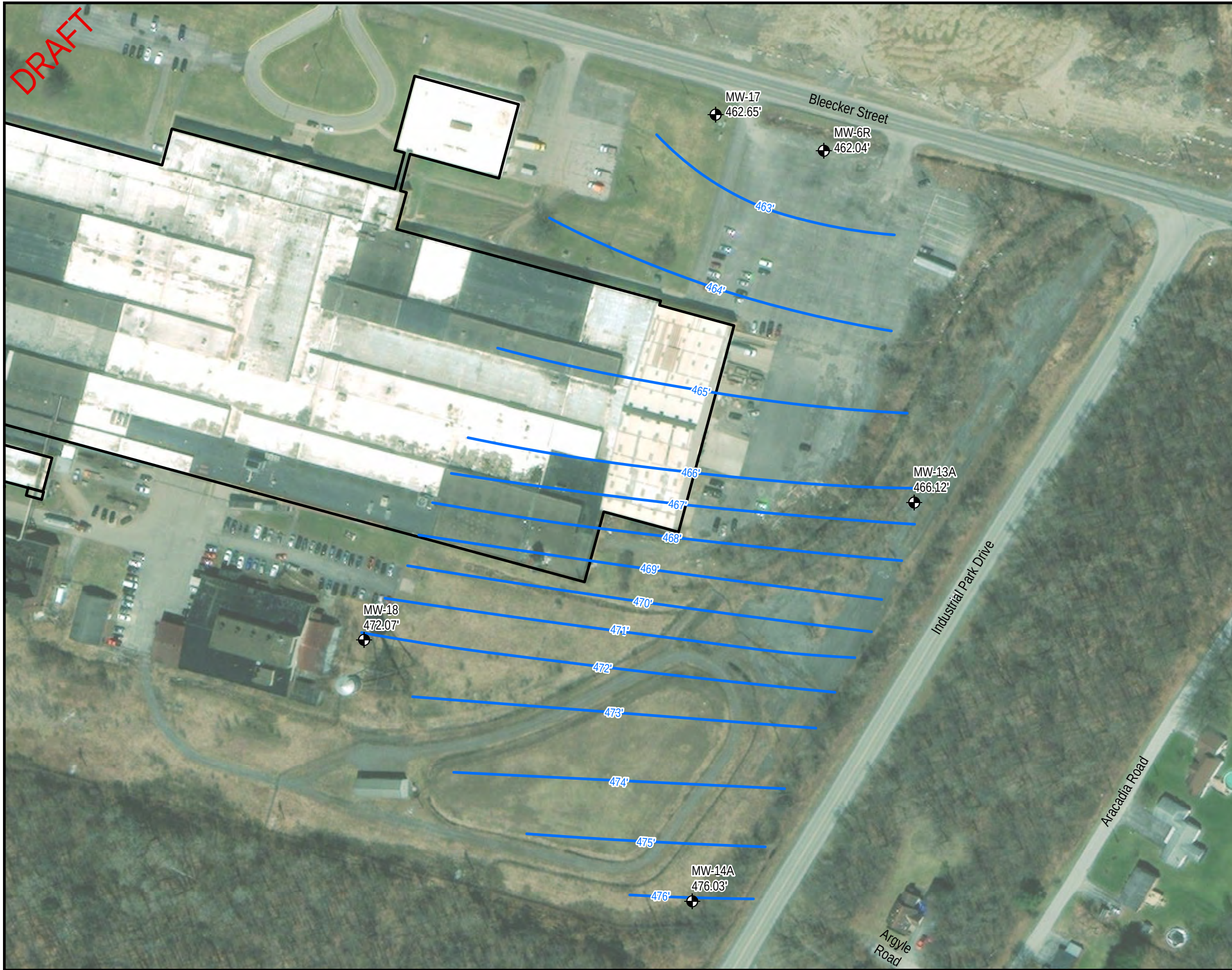


Figure 7 - Leachate Generation per Year



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Legend

-  Groundwater Elevation Contour
- 468.03' Groundwater Elevation (ft.)
-  Facility Boundary

NOTES:

- Groundwater elevations measured on 4 April 2022.
- Groundwater elevation contours are in feet above mean sea level (ft. amsl).
- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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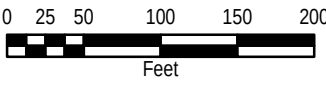
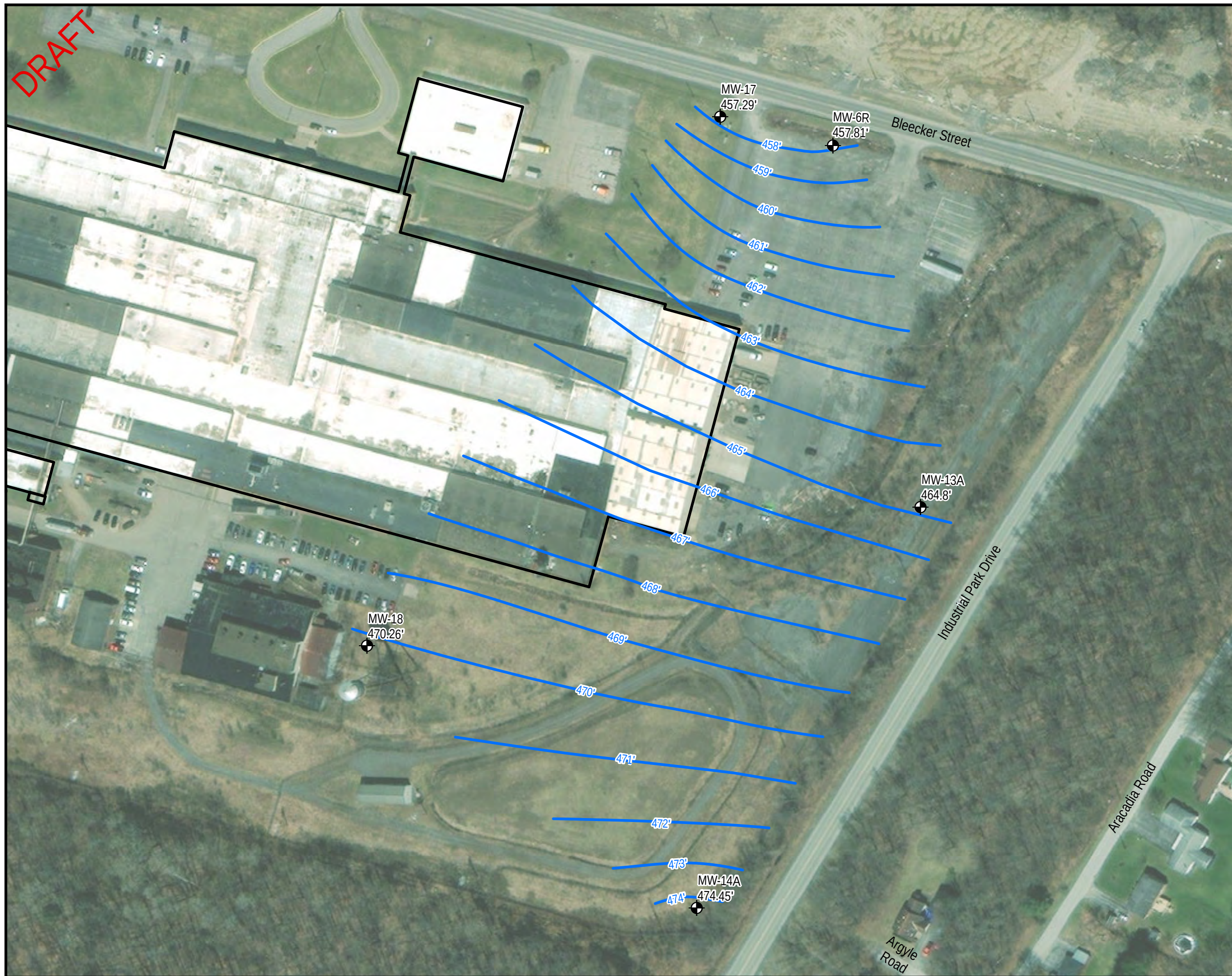


Figure 9: April 2022 Groundwater Contour Map
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Groundwater Elevation Contour
- 468.03' Groundwater Elevation (ft.)
- Facility Boundary

NOTES:

- Groundwater elevations measured on 4 October 2022.
- Groundwater elevation contours are in feet above mean sea level (ft. amsl).
- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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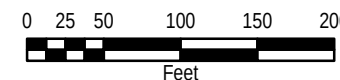
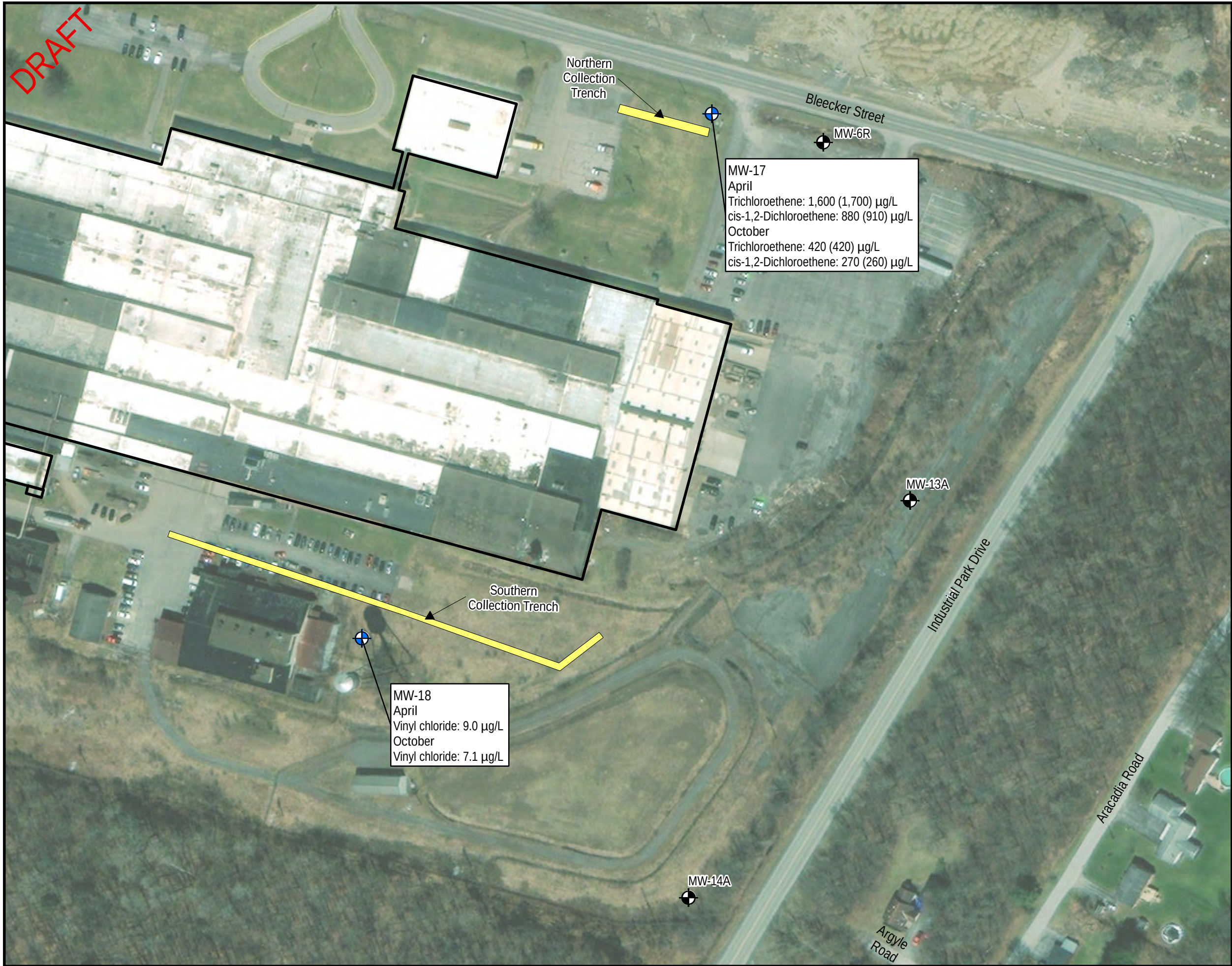


Figure 9: October 2022 Groundwater Contour Map
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Monitoring Well That Exceeds the NYSDEC TOGS 1.1.1 Guidance Value
- Monitoring Well That Does Not Exceed the NYSDEC TOGS 1.1.1 Guidance Value
- Collection Trench
- Facility Boundary

NOTES:

- Results are shown in micrograms per liter ($\mu\text{g/L}$).
- Results in parentheses represent field duplicates.
- Validated results are displayed.
- Groundwater samples collected 4 April 2022 and 4 October 2022.
- Aerial Imagery: ESRI World Imagery
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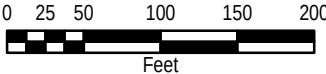
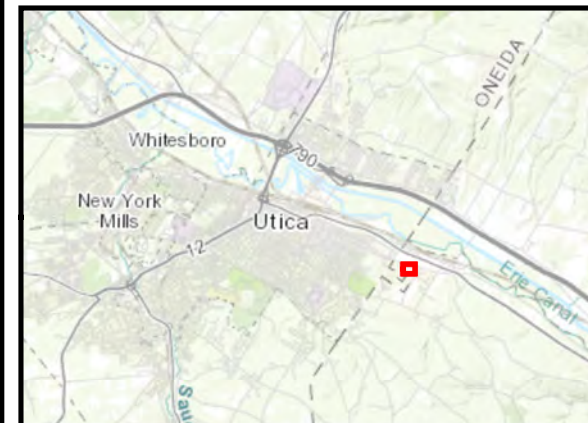
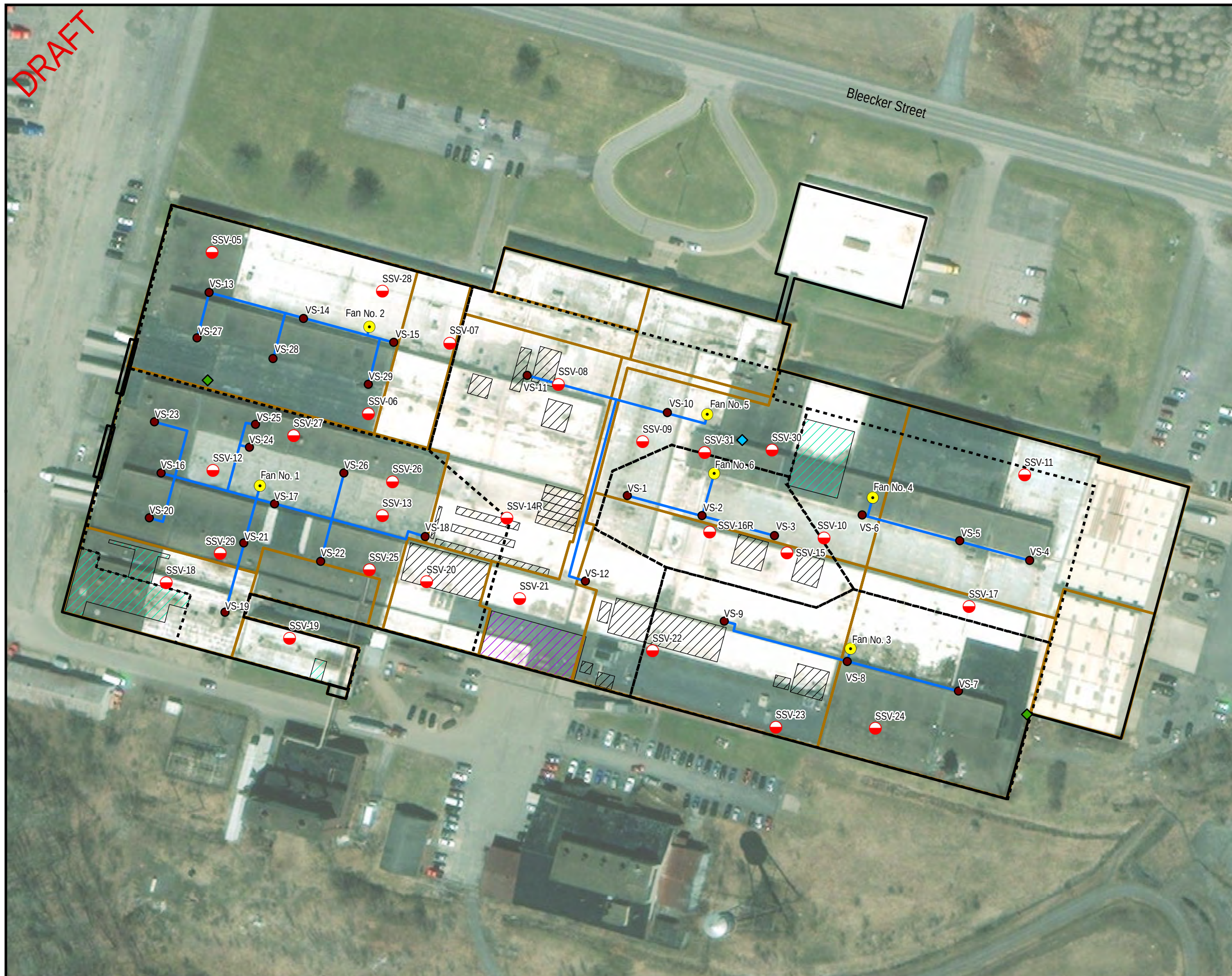


Figure 10: Groundwater Exceedance Map
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Sub-slab Soil Vapor Sample Location
- Electrical Panel
- Transformer/Electrical Panel
- Vapor Mitigation Fan
- Vacuum Sump
- Vacuum Pipe
- Building Sub-Slab Zone Boundary
- Partition
- Equipment on top of Slab
- Former Basement
- Truck Dock
- Facility Boundary

NOTES:
- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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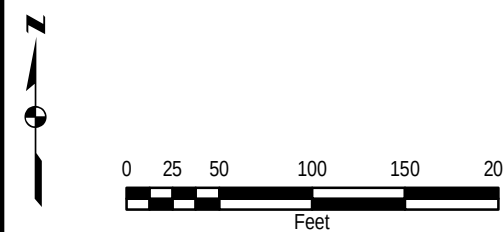
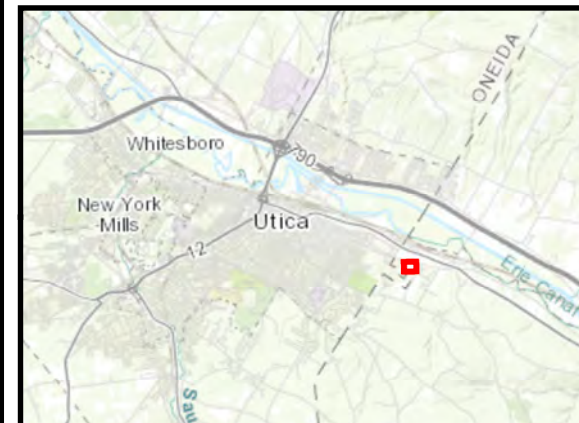


Figure 11: Building SSDS
Location Plan
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Vapor Mitigation Fan
- Vacuum Sump
- Vacuum Pipe
- Facility Boundary

NOTES:

- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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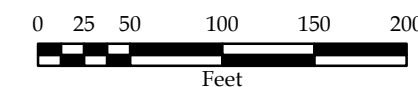
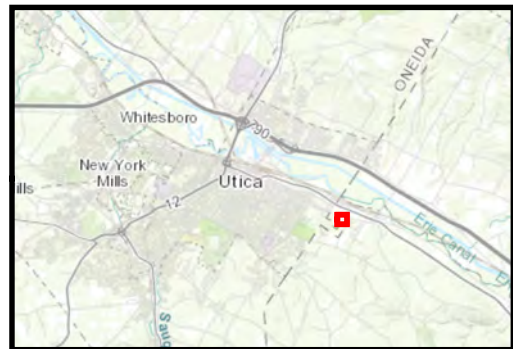
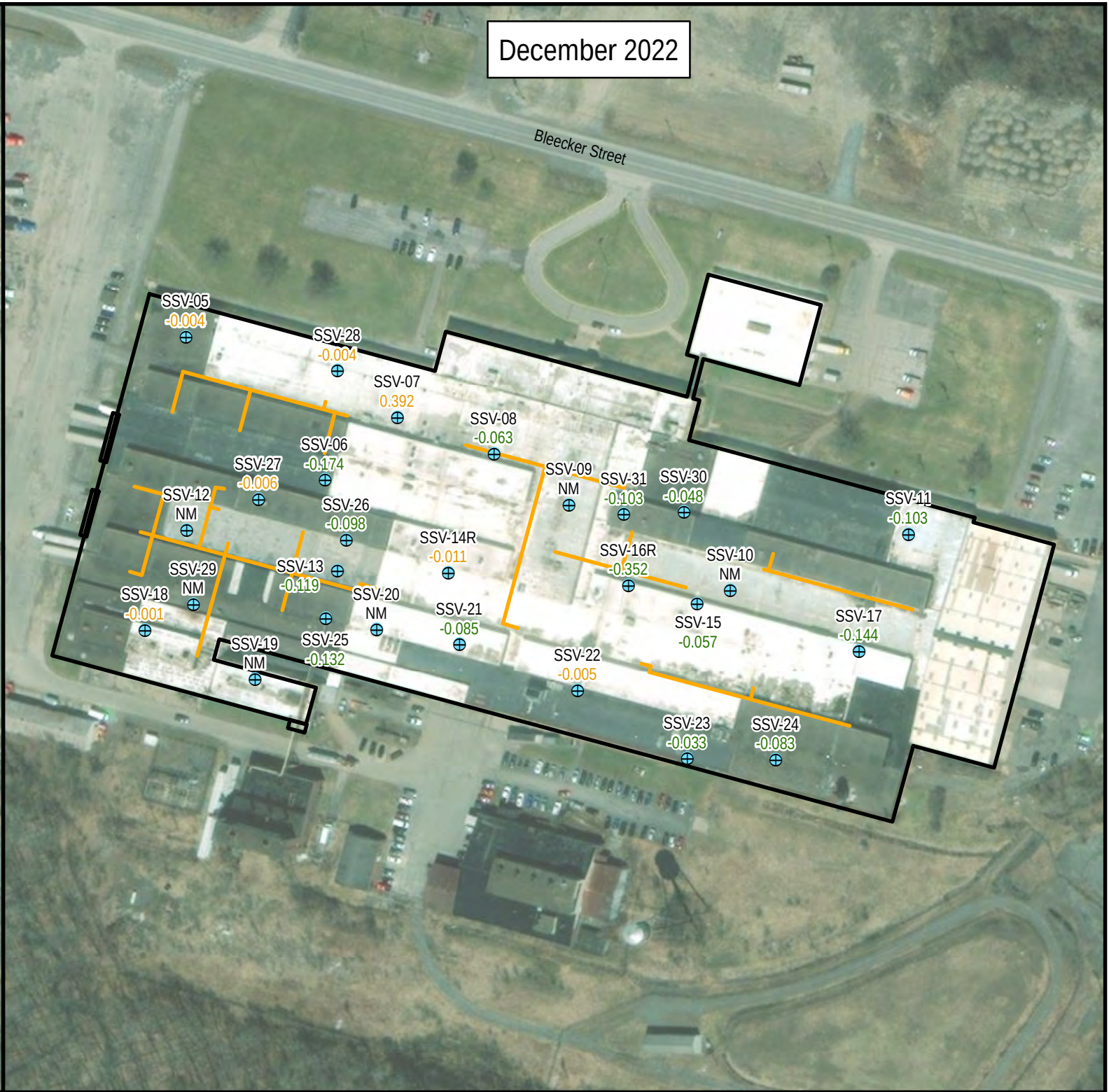
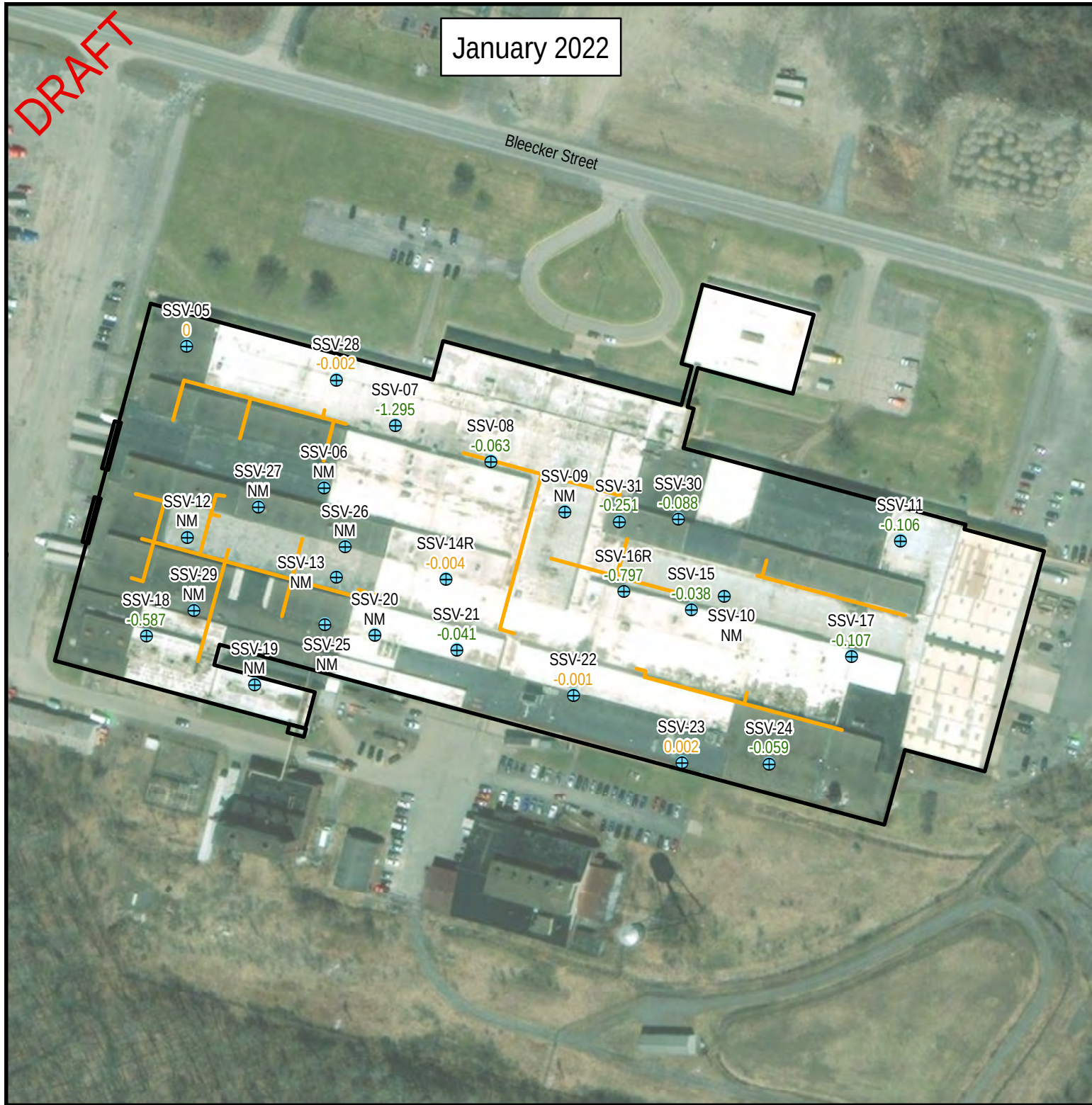


Figure 12: Vacuum Sump and
Roof Mounting Layout
Vontier - Former Chicago Pneumatic
Utica, NY

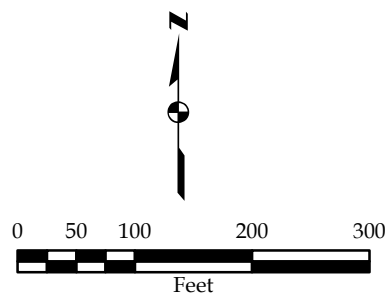


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Legend

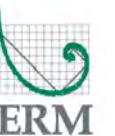
- ⊕ Vacuum Suction Point
- 0.017 Vacuum greater than the New York State Recommended Threshold of -0.016 IWC
- 0.015 Vacuum less than the New York State Recommended Threshold of -0.016 IWC
- Vacuum Pipe
- Facility Boundary



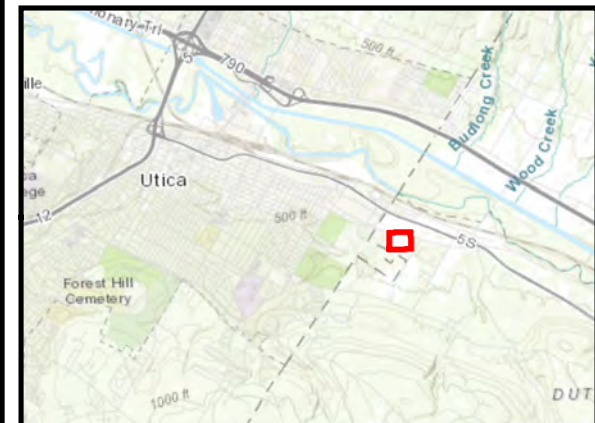
NOTES:

- NM = Not measured
- Vacuum readings are measured in inches of water column (IWC).
- Vacuum readings measured on 31 January 2022 and 7 December 2022.
- Site features digitized from Synapse CAD file
- Aerial Imagery: ESRI World Imagery
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Figure 13: Vacuum Map - January and December 2022
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

- Vapor Mitigation Fan
- Vacuum Sump
- SSV-1 Sub-Slab Location
- IDA-1 Indoor Air Location
- ODA-1 Outdoor Air Location
- Vacuum Pipe
- Facility Boundary
- TCE Concentration ($\mu\text{g}/\text{m}^3$)
 - <1.0
 - 1.0 - <10
 - 10 - <100
 - 100 - <1,000
 - 1,000 - <10,000
 - >10,000
- Non-Detect

NOTES:

- $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
- TCE = Trichloroethene
- Samples were collected 30 March 2022.
- Duplicate results are shown in parentheses.
- Aerial Imagery: ESRI World Imagery
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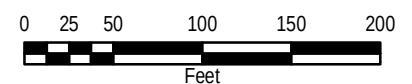
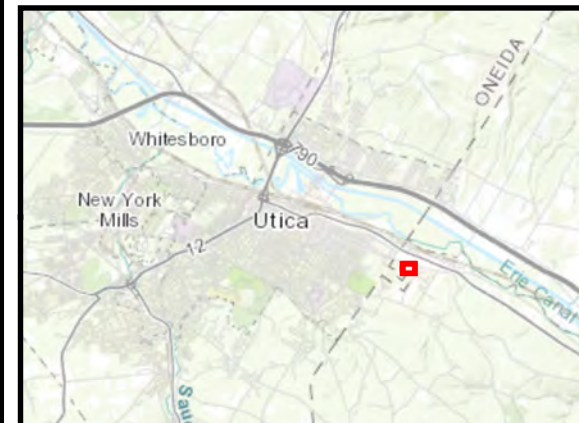


Figure : 2022 Air Sampling - TCE
Vontier - Former Chicago Pneumatic
Utica, NY



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Legend

-  Colocated Indoor Air/ Sub-Slab Soil Vapor Sample Location
-  Indoor Air Sample Location
-  Main Building Division
-  Facility Boundary

NOTES:

- Samples were collected 30 March 2022.
- Building divisions are approximate.
- Aerial Imagery: ESRI World Imagery
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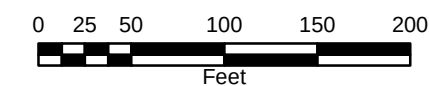
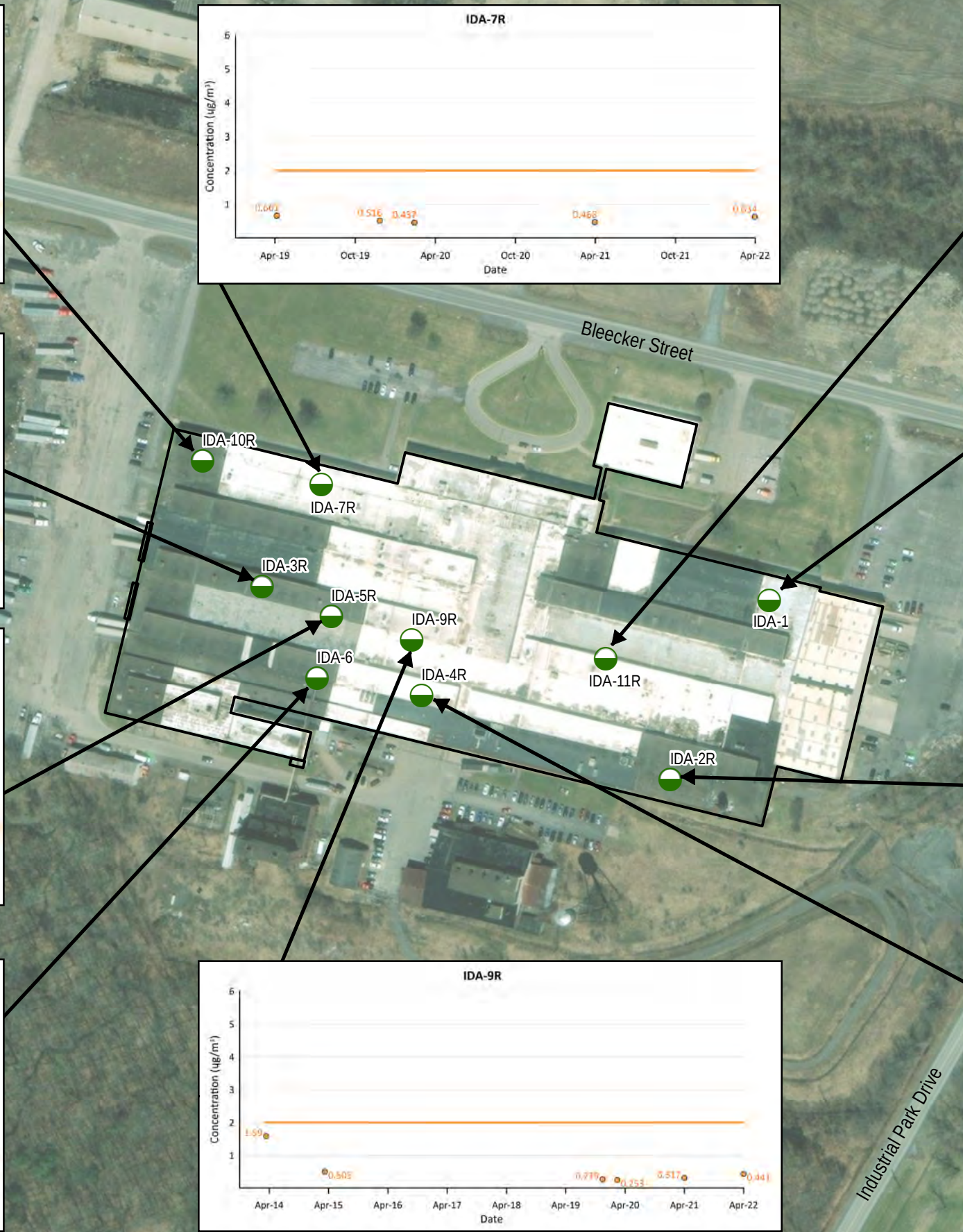
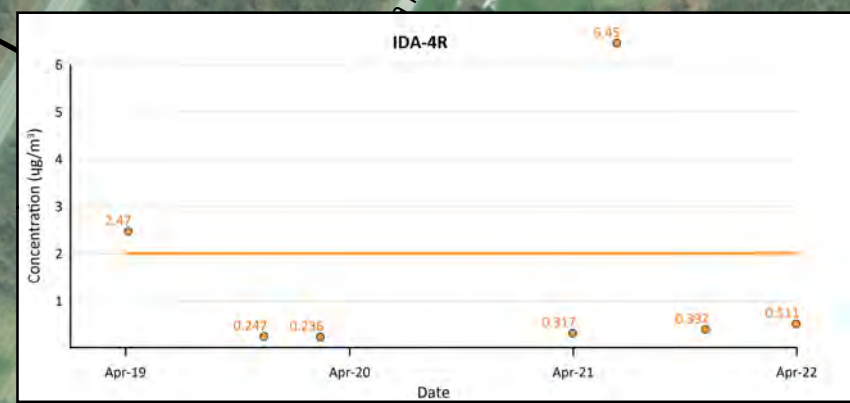
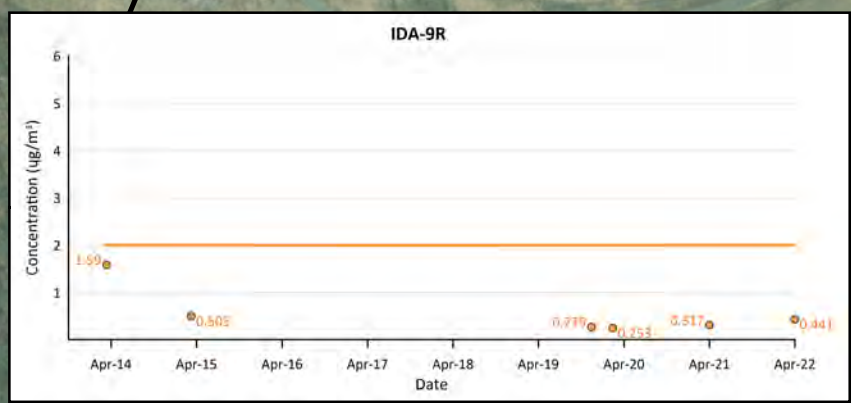
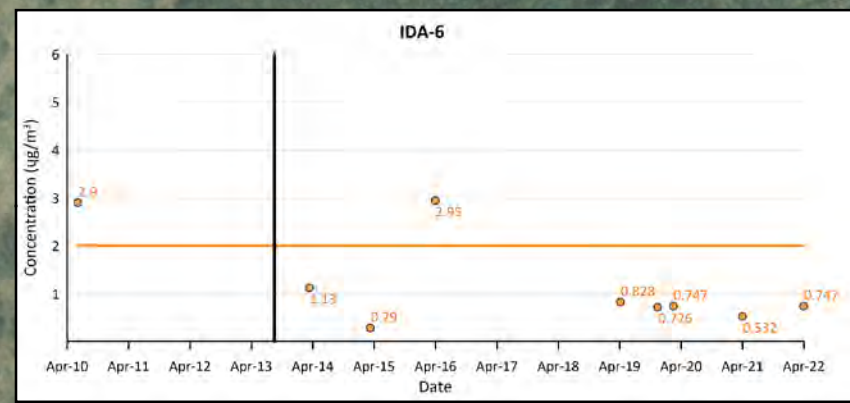
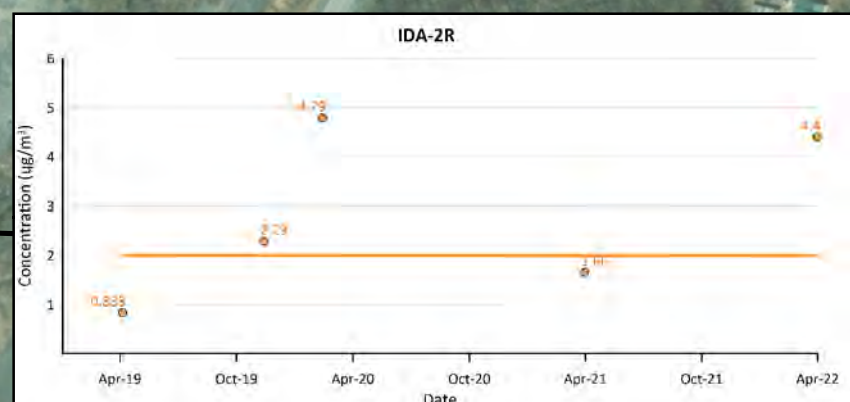
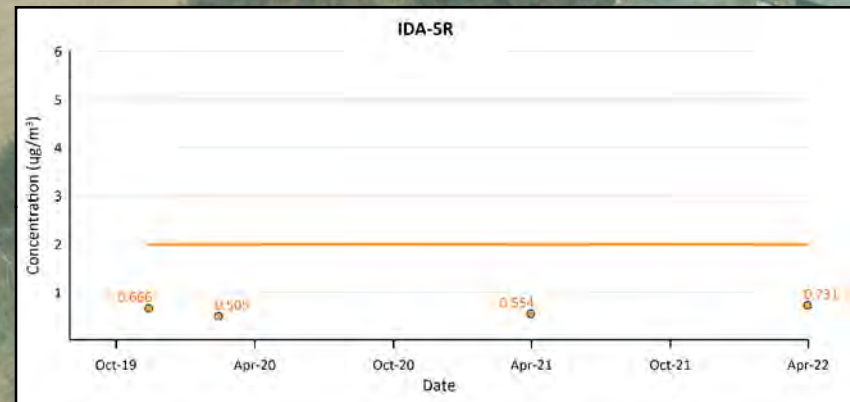
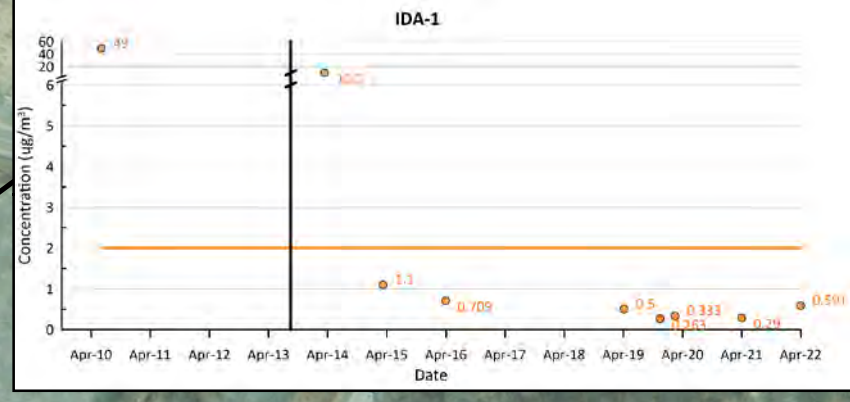
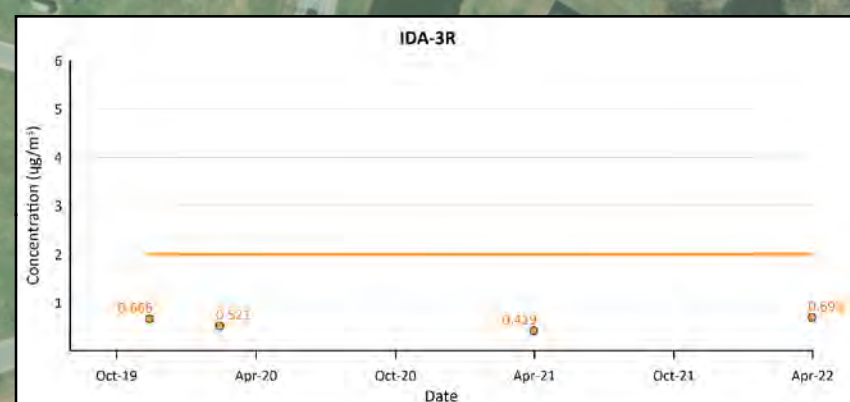
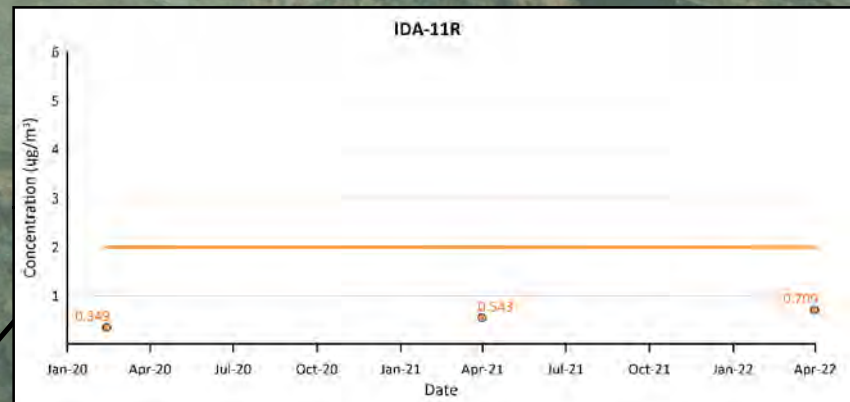
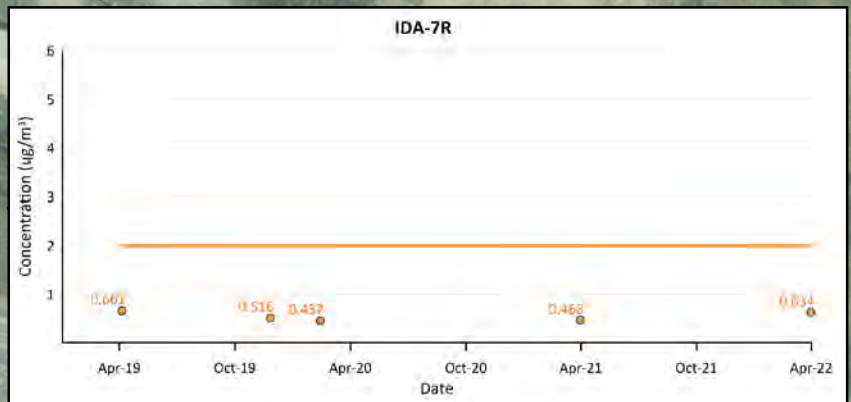
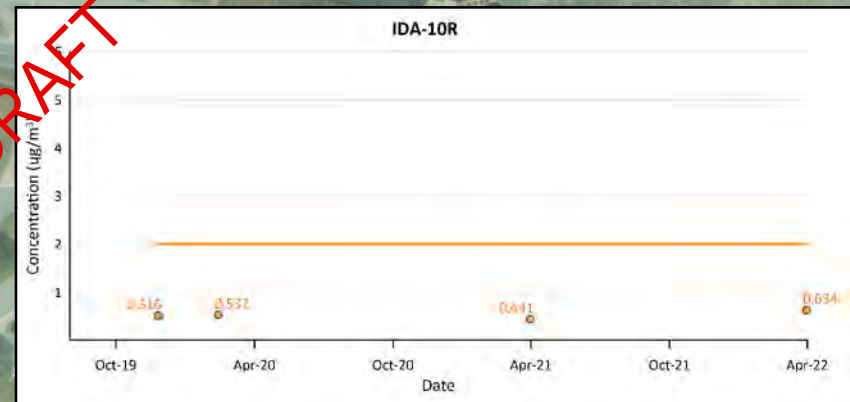


Figure 15: SVI Sample Locations and Main Building Divisions
Vontier - Former Chicago Pneumatic
Utica, NY



DRAFT



Legend

- Indoor Air Sample Location
- Tetrachloroethene
- Trichloroethene
- cis-1,2-Dichloroethene
- Vinyl Chloride
- Facility Boundary
- Regulatory Threshold of $2 \mu\text{g}/\text{m}^3$
- SSDS Installation

NOTES:

- $\mu\text{g}/\text{m}^3$ = micrograms per meter cubed
- Vapor Intrusion samples were collected 30 March 2022.
- The Regulatory Threshold for trichloroethene for indoor air is $2 \mu\text{g}/\text{m}^3$.
- The sub-slab depressurization system was installed August 2013.
- Aerial Imagery: ESRI World Imagery. Reproduced under license in ArcGIS 10.5

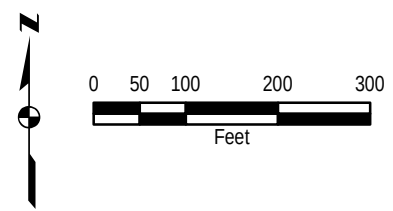
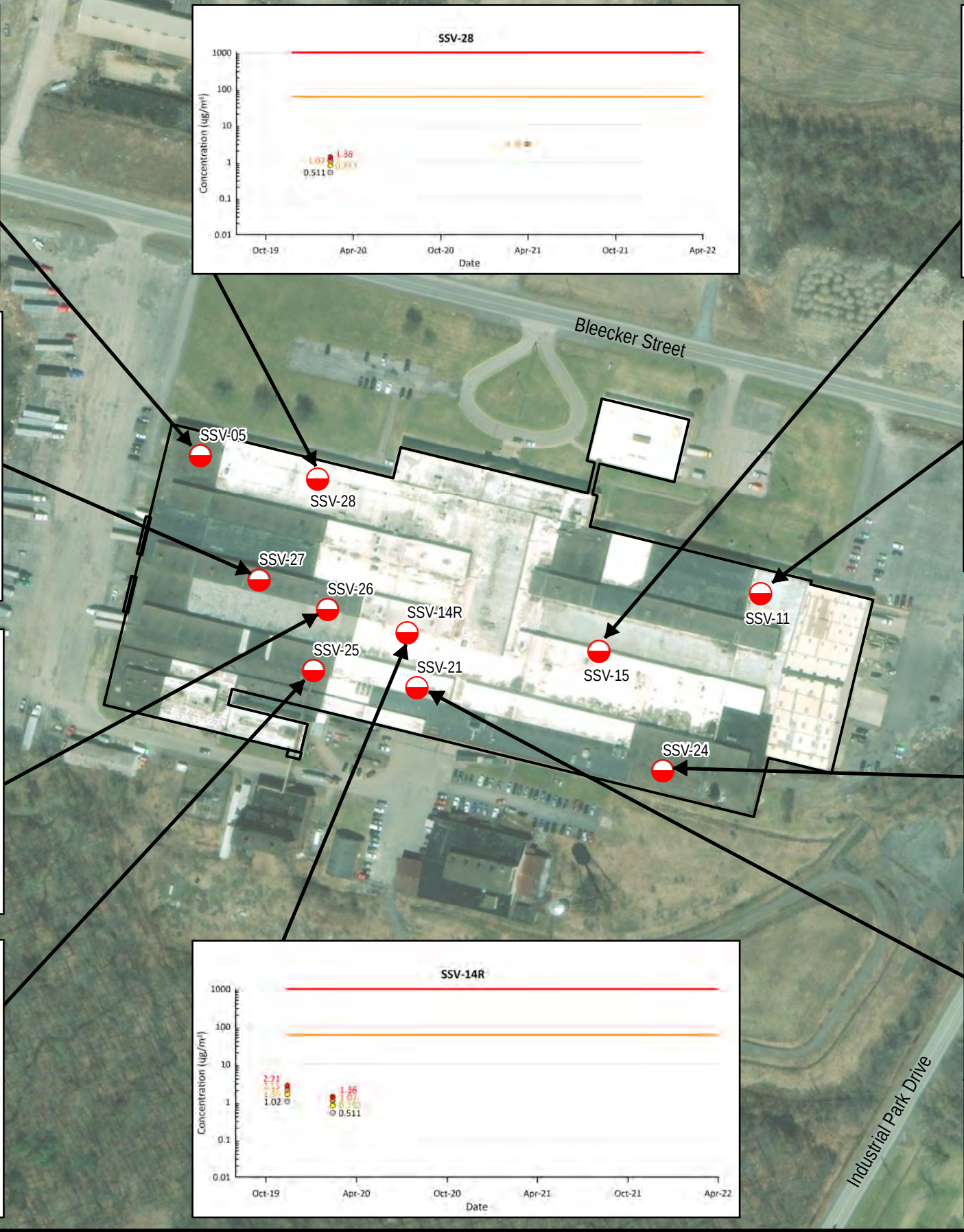
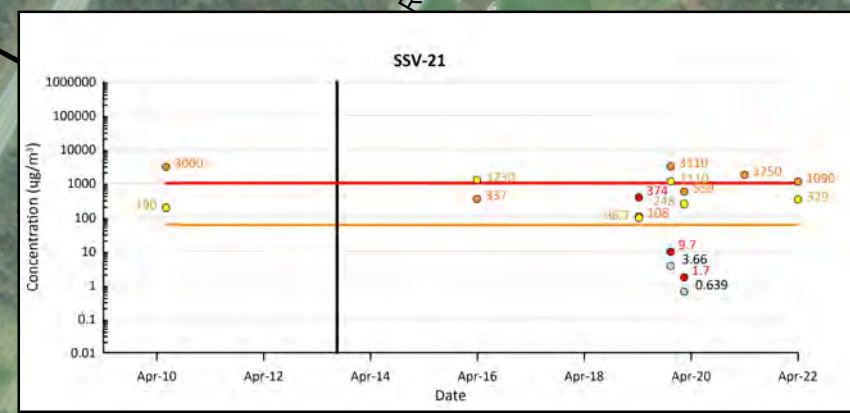
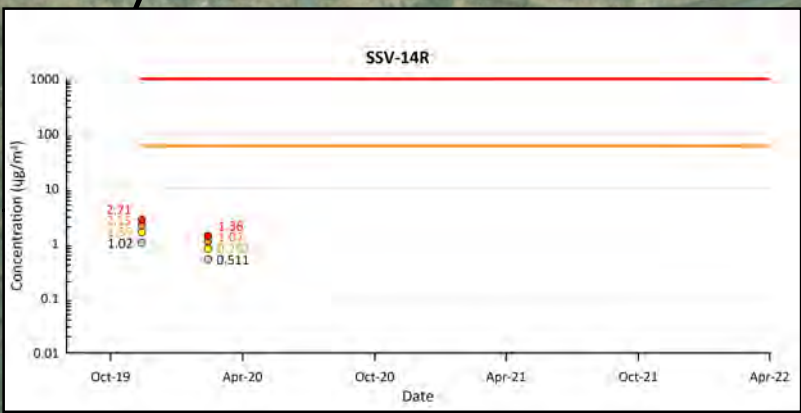
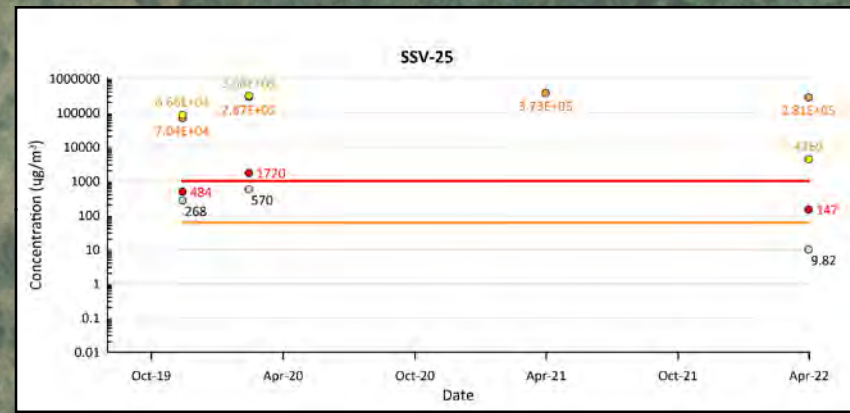
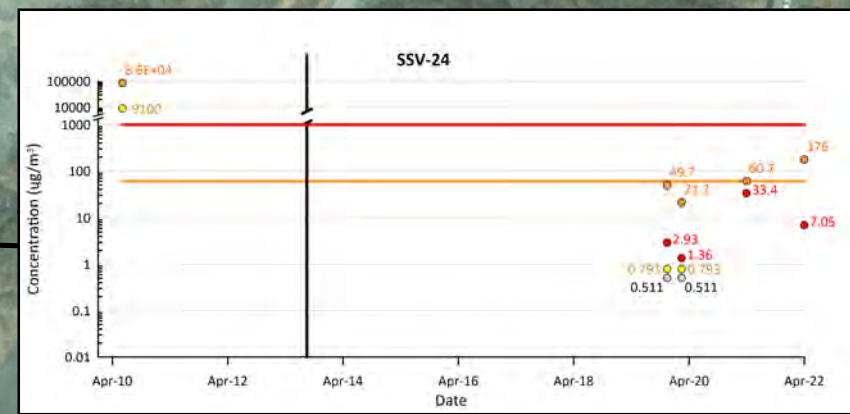
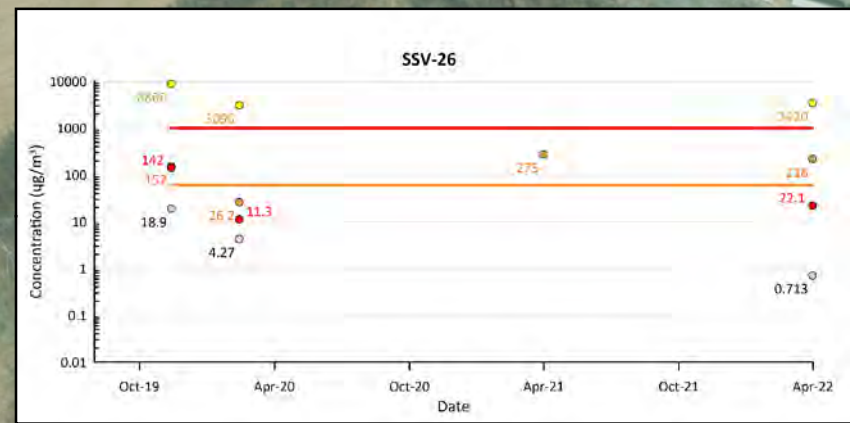
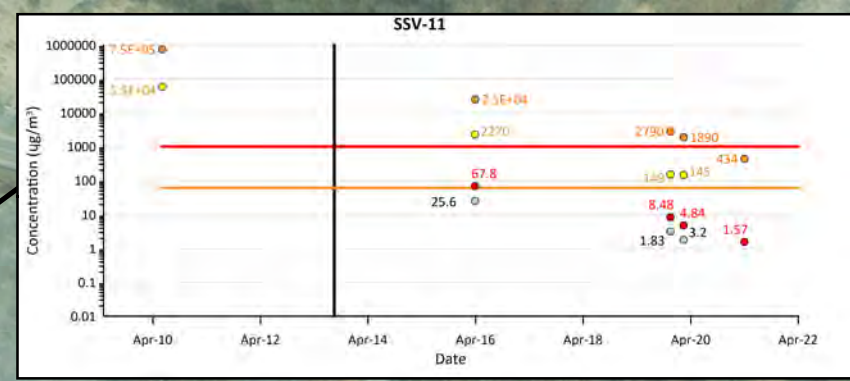
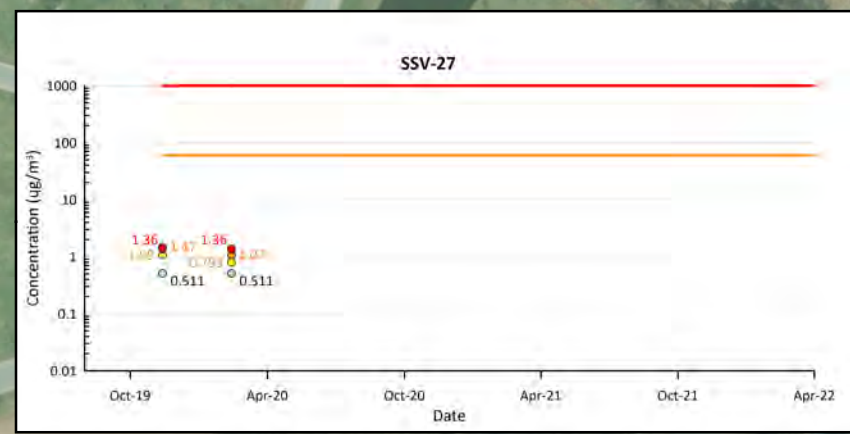
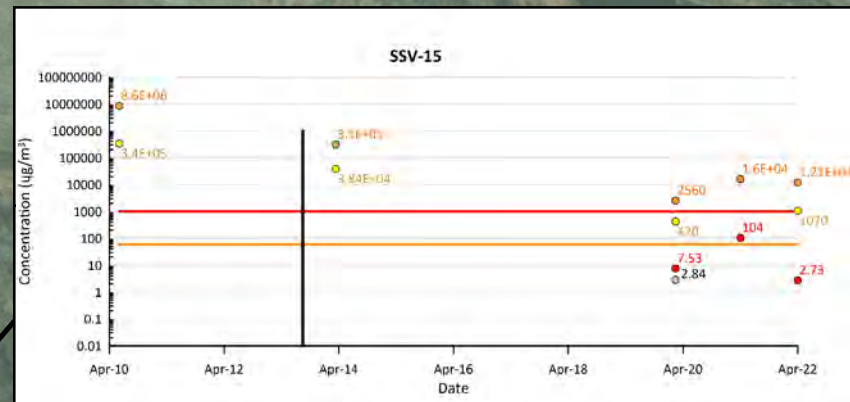
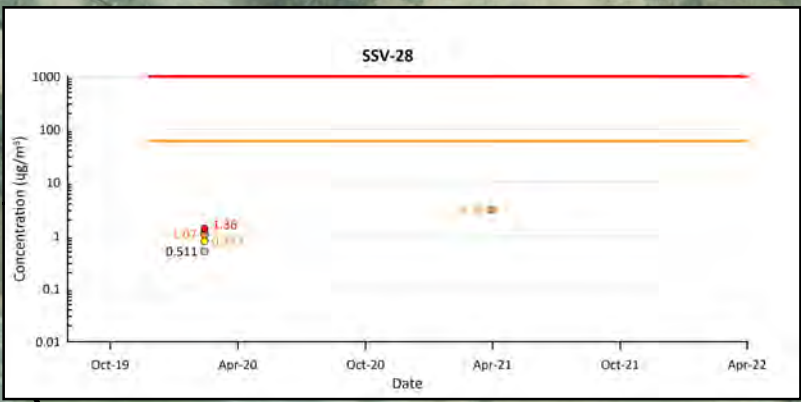
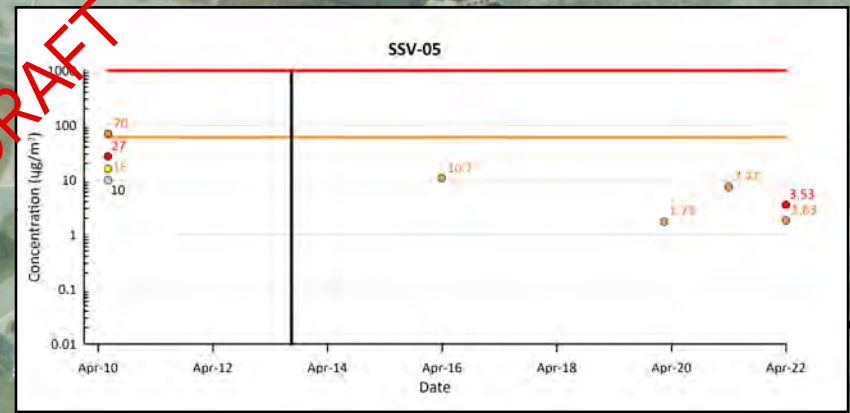


Figure 16: Indoor Air Time Series Plots
Vontier - Former Chicago Pneumatic
Utica, NY



DRAFT



Legend

- Sub-Slab Soil Vapor Sample Location
- Tetrachloroethene
- Trichloroethene
- cis-1,2-Dichloroethene
- Vinyl Chloride
- Facility Boundary
- Mitigation Threshold of >60 $\mu\text{g}/\text{m}^3$
- Mitigation Threshold of >1,000 $\mu\text{g}/\text{m}^3$
- SSDS Installation

NOTES:

- $\mu\text{g}/\text{m}^3$ = micrograms per meter cubed
- Sub-slab soil vapor samples were collected 30 March 2022.
- The Mitigation Threshold for trichloroethene, cis-1,2-dichloroethene, and vinyl chloride for sub-slab soil vapor is $>60 \mu\text{g}/\text{m}^3$ and $>1,000 \mu\text{g}/\text{m}^3$ for tetrachloroethene.
- The sub-slab depressurization system was installed August 2013.
- Aerial Imagery: ESRI World Imagery. Reproduced under license in ArcGIS 10.5

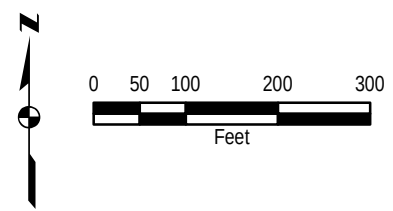
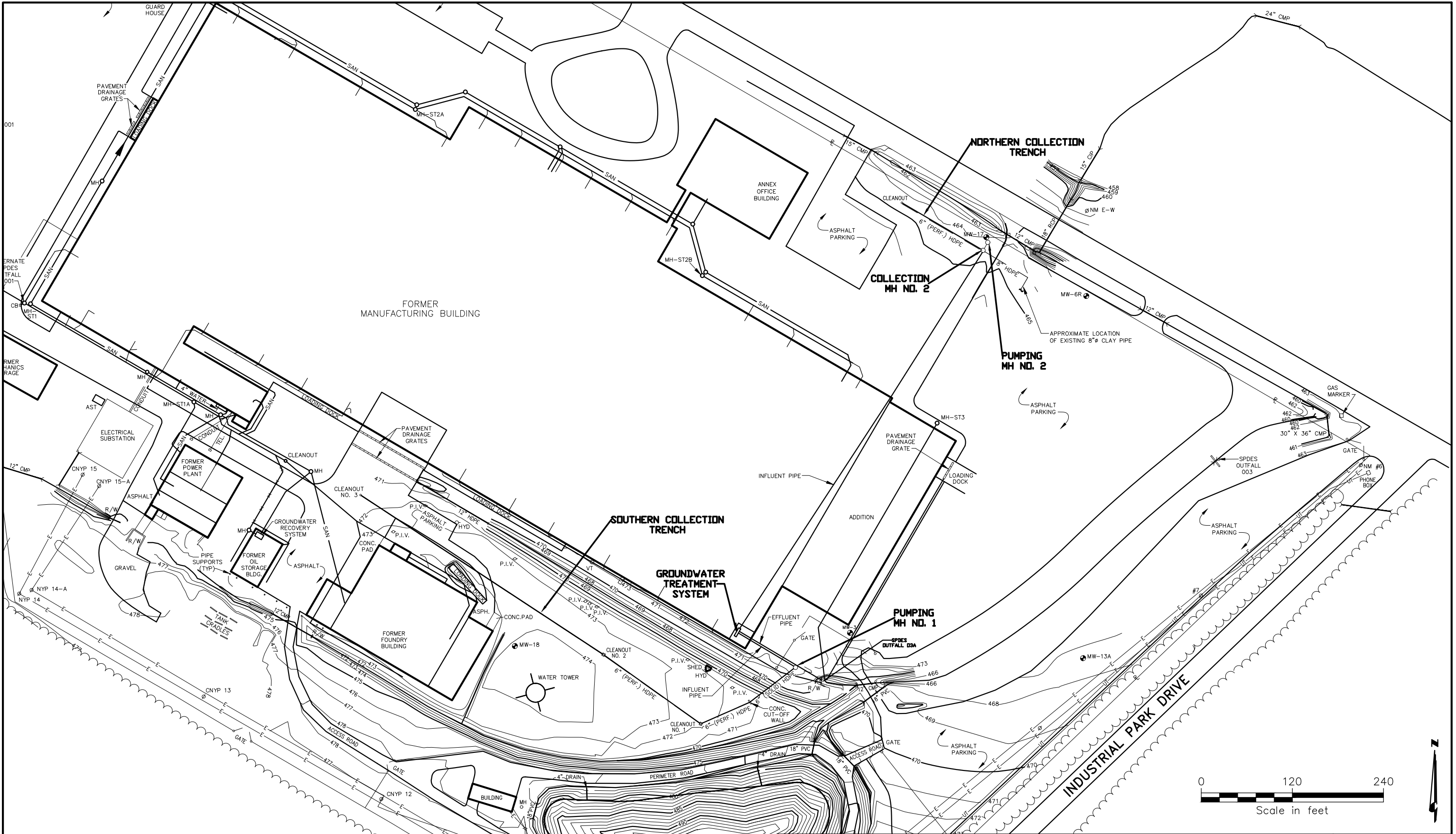


Figure 17: Sub-slab Soil Vapor Time Series Plots
Vontier - Former Chicago Pneumatic
Utica, NY



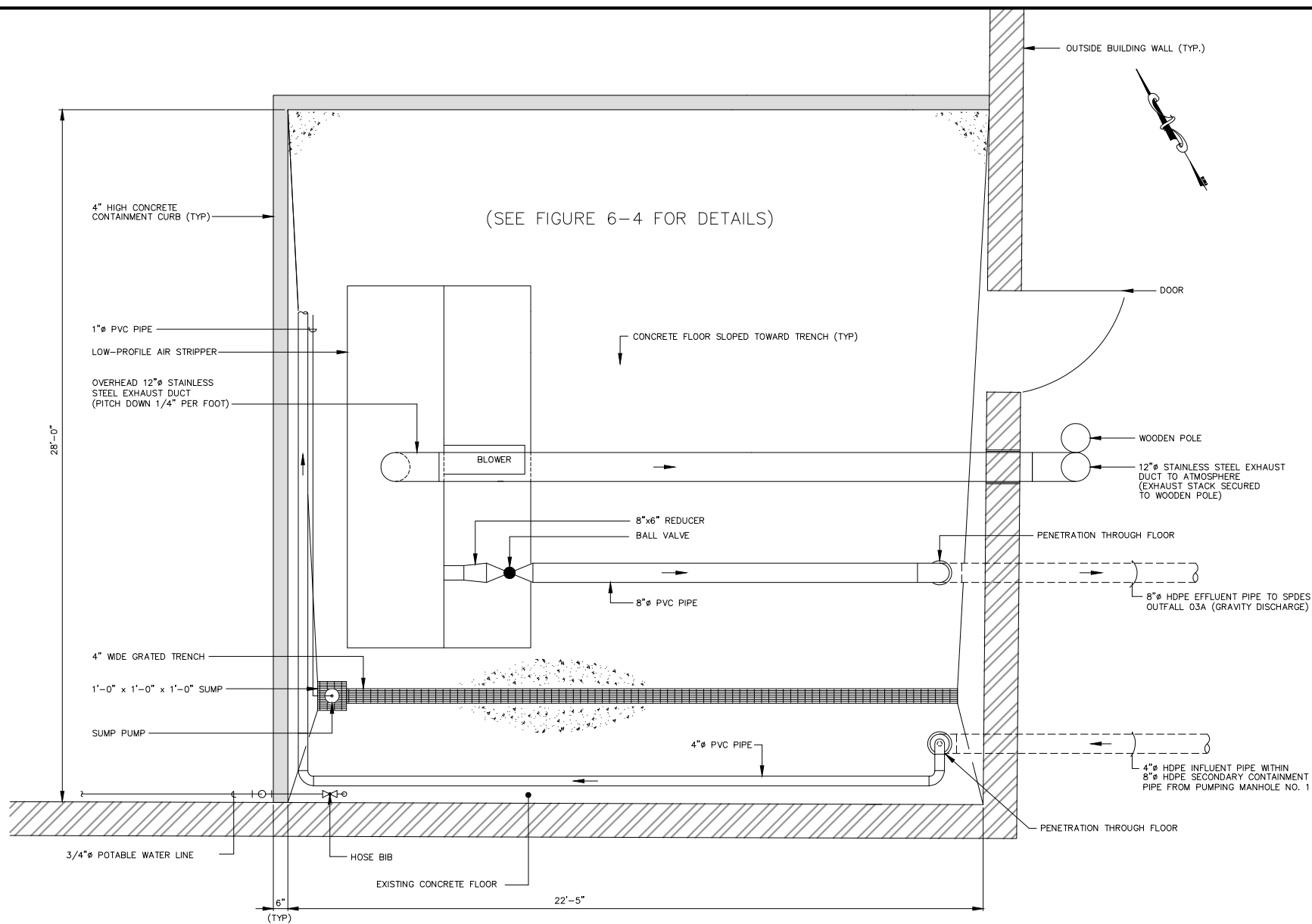
File: V:\PROJECTS\ANY\K6\073631.000\09_DESIGN\DRAWINGS\ENV\PRR FIGURES.DWG Saved: 1/11/2023 8:50:36 AM Plotted: 1/11/2023 8:56:06 AM Current User: Ehmann, Karyn LastSavedBy: 5768



GROUNDWATER TREATMENT SYSTEM PLAN
2022 PERIODIC REVIEW REPORT
2200 BLEECKER STREET
UTICA, NEW YORK

PROJECT NO.
073631
DATE: 01/2023
FIGURE 18

File: V:\PROJECTS\ANY\6\073631\000\09_DESIGN\DRAWINGS\ENV\RR FIGURES.DWG Saved: 1/11/2023 8:56:07 AM Current User: Elman, Karyn LastSavedBy: 5768



NOT TO SCALE



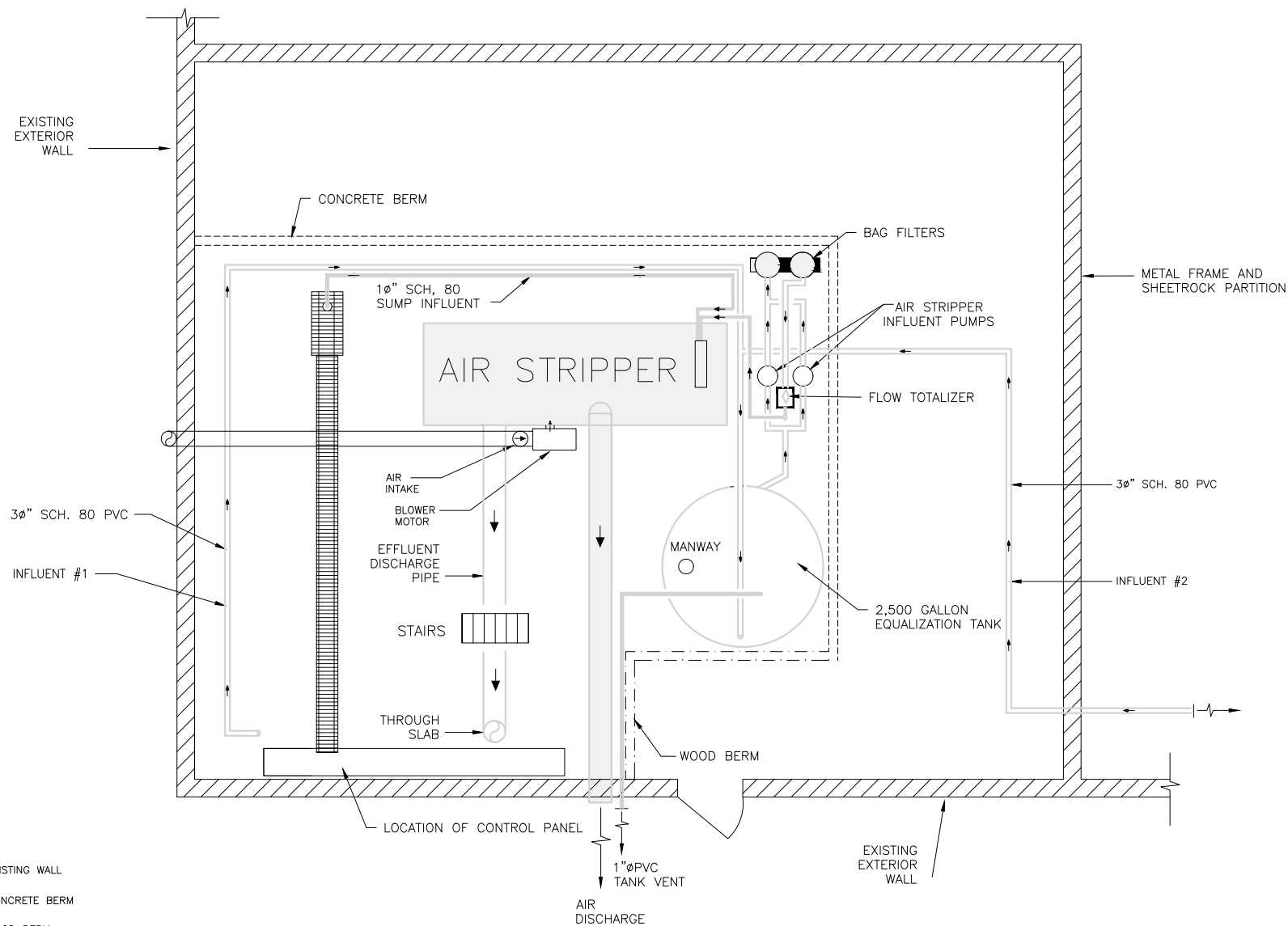
One Park Place, 300 South State Street, Suite 600
Syracuse, NY 13202
315.471.3920 · www.chacompanies.com

AIR STRIPPER PLAN
2022 PERIODIC REVIEW REPORT
2200 BLEECKER STREET
UTICA, NEW YORK

PROJECT NO.
073631

DATE: 01/2023

FIGURE 19



LEGEND

-  EXISTING WALL
-  CONCRETE BERM
-  WOOD BERM

NOT TO SCALE



One Park Place, 300 South State Street, Suite 600
Syracuse, NY 13202
315.471.3920 . www.chacompanies.com

**GROUNDWATER TREATMENT SYSTEM
BUILDING LAYOUT
2022 PERIODIC REVIEW REPORT
2200 BLEECKER STREET
UTICA, NEW YORK**

PROJECT NO.
073631

DATE: 01/2023

FIGURE 21

APPENDIX A

60-DAY ADVANCE NOTIFICATION OF SITE CHANGE OF USE, TRANSFER OF CERTIFICATE OF COMPLETION, AND/OR OWNERSHIP

Alexis Harford

From: Tim Daniluk
Sent: Wednesday, January 25, 2023 4:21 PM
To: Alexis Harford
Subject: FW: 2021 Former Chicago Pneumatic Tool Company PRR

Tim Daniluk, NY P.G.
Principal Consultant, Hydrogeologist

ERM

5784 Widewaters Parkway | Syracuse, NY 13214

T +1 3152333043 | M 3153172044

E tim.daniluk@erm.com | W www.erm.com



From: Spiller, Jon <Jon.Spiller@vontier.com>
Sent: Wednesday, January 26, 2022 9:43 AM
To: Tim Daniluk <Tim.Daniluk@erm.com>
Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Moore, MichaelA <michaela.moore@vontier.com>; Peplowski, Joe <Joe.peplowski@vontier.com>
Subject: RE: 2021 Former Chicago Pneumatic Tool Company PRR

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Okay, thanks Tim. My contact info is below.

Jon Spiller
VP, Associate General Counsel
5438 Wade Park Blvd., Suite 600
Raleigh, North Carolina 27607
jon.spiller@vontier.com
(682) 266-5095

Best,
Jon

From: Tim Daniluk <Tim.Daniluk@erm.com>
Sent: Wednesday, January 26, 2022 7:39 AM
To: Spiller, Jon <Jon.Spiller@vontier.com>; Moore, MichaelA <michaela.moore@vontier.com>; Peplowski, Joe <Joe.peplowski@vontier.com>

Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>

Subject: [EXTERNAL] RE: 2021 Former Chicago Pneumatic Tool Company PRR

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Hello all,

I spoke with NYSDEC yesterday and we do not need to complete another change of use form. They asked that I provide them with the contact information for the new point of contact at Vontier for this site (Jon).

Please provide me with your preferred email, phone number, title, and mailing address and I will get this taken care of.

Thank you!

Tim Daniluk, NY P.G.
Senior Consultant, Hydrogeologist

ERM
5784 Widewaters Parkway | Syracuse, NY 13214
T +1 3152333043 | **M** 3153172044
E tim.daniluk@erm.com | **W** www.erm.com



From: Spiller, Jon <Jon.Spiller@vontier.com>

Sent: Tuesday, January 25, 2022 2:15 PM

To: Tim Daniluk <Tim.Daniluk@erm.com>; Moore, MichaelA <michaela.moore@vontier.com>; Peplowski, Joe <Joe.peplowski@vontier.com>

Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>

Subject: RE: 2021 Former Chicago Pneumatic Tool Company PRR

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Thanks, Tim. Looking forward to working with you too.

Jon Spiller

VP, Associate General Counsel

Diagnostic & Repair Technologies, Corp Services & Litigation

O: (984) 275-6091 | M: (682) 266-5095

jon.spiller@vontier.com



From: Tim Daniluk <Tim.Daniluk@erm.com>
Sent: Tuesday, January 25, 2022 10:05 AM
To: Moore, MichaelA <michaela.moore@vontier.com>; Peplowski, Joe <Joe.peplowski@vontier.com>
Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Spiller, Jon <Jon.Spiller@vontier.com>
Subject: [EXTERNAL] RE: 2021 Former Chicago Pneumatic Tool Company PRR

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Thank you Michael, and welcome Jon, looking forward to working with you! I will contact NYSDEC and obtain the proper forms to change the point of contact.

Thank you,
Tim

Tim Daniluk, NY P.G.
Senior Consultant, Hydrogeologist

ERM
5784 Widewaters Parkway | Syracuse, NY 13214
T +1 3152333043 | **M** 3153172044
E tim.daniluk@erm.com | **W** www.erm.com



From: Moore, MichaelA <michaela.moore@vontier.com>
Sent: Tuesday, January 25, 2022 10:16 AM
To: Tim Daniluk <Tim.Daniluk@erm.com>; Peplowski, Joe <Joe.peplowski@vontier.com>
Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>; Spiller, Jon <Jon.Spiller@vontier.com>
Subject: RE: 2021 Former Chicago Pneumatic Tool Company PRR

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Thanks Tim,

I will get to this tomorrow. In the meantime, I can confirm that my colleague Jon Spiller (Cc'd) will be the POC for the CP site after Joe leaves the business.

Grateful if you can advise the ERM team include Jon on any noteworthy correspondence going forward.

Thanks Tim.

Warm regards,

Michael Moore

Vice President,
Global – Environment, Health, Safety and Security (EHSS)
michaela.moore@vontier.com

T: +971 4 5667551

M: +971 50 6980615

vontier.com



We are mobilizing the future
to create a better world.

From: Tim Daniluk <Tim.Daniluk@erm.com>

Sent: 25 January 2022 01:55

To: Moore, MichaelA <michaela.moore@vontier.com>; Peplowski, Joe <Joe.peplowski@vontier.com>

Cc: Ernie Rossano <Ernie.Rossano@erm.com>; Stephen Mirabello <Stephen.Mirabello@erm.com>

Subject: [EXTERNAL] 2021 Former Chicago Pneumatic Tool Company PRR

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Hello Michael and Joe,

Please review the text and accompanying figures and tables associated with the 2021 Periodic Review Report (PRR) for the Former Chicago Pneumatic Tool Company site located in Frankfort, NY. As a reminder, Section 6, Figures 18-21, Tables 9-12, and Appendices K, L, and M are drafted and certified by Chicago Pneumatic and NOT Vontier or ERM.

Also this document is due to NYSDEC on January 31st, one week from today. I realize this leaves you with a little less than a week to review the components. I've asked the regulators to push this deadline back to February for future years because we do not have our final data for this until December 31, and one month is a short turnaround time for such a large report. I will keep you updated on this.

If we can submit this document on time it would be beneficial to our relationship with the regulatory agency. If you will be unable to review this document in time please communicate to me as soon as possible so that I can request an extension.

The appendices for this document are large and can be accessed from the following link:

https://theermgroup-my.sharepoint.com/:f:/g/personal/tim_daniluk_erm_com/EjyX1hpxbyxLvT-PX2slaZcBS-8RZv9ewFGzPea5H6UXiA?e=fw7zjQ

Once the document is acceptable to Vontier, Joe or a designee will need to sign the certification forms that accompany this report like last year. I will send those once you've had a chance to review.

Thank you!

Tim Daniluk, NY P.G.
Senior Consultant, Hydrogeologist

ERM

5784 Widewaters Parkway | Syracuse, NY 13214

T +1 3152333043 | M 3153172044

E tim.daniluk@erm.com | W www.erm.com



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APPENDIX B 2022 SITE INSPECTION REPORTS

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O.Botting

Company: ERM

Date: 1/21/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Snow covered ~2"	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Snow covered ~2-6"	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Snow covered ~2-3"	
B	Ditches	Snow covered ~2-6"	
C	Culverts	Culverts have minimal snow in front of opening	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u>	
E	Utilities	Phone and Electric, Lock <u>OK</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Snow covered ~1-6"	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>N</u> , @ Vent 1 <u>NM</u> , Vent 2 @ <u>NM</u>	
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	Snow covered ~3"	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>0.9</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	N
C	Electrical Components	Test Pumps (Y or N), Lock <u>N</u>	
D	Manhole Interstitial Space	Manhole covered in snow and ice - cleared it. Liquid present ~3-4'. Steady drip from pipe.	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 1/21/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>OK</u> - On	
B	Electrical and Telephone	Electricity works; telephone does not function	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) <u>OK</u> DTW = 4.90'	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u> MW-6R is covered with snow.	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates that Tank Level = 44.94

SCADA indicates that Fan #6 is stopped. OB checked fans and they are all running.

Soil piles are missing from east parking lot.

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O.Botting

Company: ERM

Date: 2/22/22

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Good	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Water present	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Clear	
B	Ditches	Water ~1-2"	
C	Culverts	Water present	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u>	
E	Utilities	Phone and Electric, Lock <u>OK</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Damp; no snow	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>N</u> , @ Vent 1 <u>NM</u> , Vent 2 @ <u>NM</u>	
C	Collection Pipe Cleanout	Lock <u>N</u>	
D	Perimeter Drains (4)	OK	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.0</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>2</u> to Pump No. <u>1</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	N
C	Electrical Components	Test Pumps (Y or N), Lock <u>OK</u>	N
D	Manhole Interstitial Space	OK, water present, ~4-5'	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date: 2/22/22

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK; steady drip	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>OK</u> - On	
B	Electrical and Telephone	OK	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) <u>OK</u>	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u> MW-6R is covered in snow.	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

Fan 6 - SCADA says stopped. OB checked and all are running
Inside temp = 67.46 - thermostat set at 52, says under 50 on dial
Outside temp = 57.83
Tank Level = 43.92

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O. Botting

Company: ERM

Date: 3/10/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Access road is plowed.	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Water and snow present.	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Access road is plowed. Snow on perimeter road ~1-3 inches	
B	Ditches	Water present and snow.	
C	Culverts	Culverts are clear, some snow present.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u>	
E	Utilities	Phone and Electric, Lock <u>N</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Snow covered ~1-3 inches	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>NA</u> , @ Vent 1 <u>NA</u> , Vent 2 @ <u>NA</u>	
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	Covered in snow but openings are clear of snow.	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.0</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	NA
C	Electrical Components	Test Pumps (Y or N), Lock <u>OK</u>	N
D	Manhole Interstitial Space	OK, ~3-4 ft water present.	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 3/10/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>OK</u> - On	
B	Electrical and Telephone	Electricity on, telephone does not function.	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) <u>OK</u>	N
A1	Flow Totalizer	Reading = <u>7000</u> gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u> - MW-6R is covered in snow due to plows.	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA says Fans # 1, 2, 4, and 6 are stopped. OB checks fans on roof and all are running.

Tank level = 44.23

Inside RAF temperature = 66.73

Outside temperature = 57.48

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O. Botting

Company: ERM

Date: 4/4/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Good - access road is clear of snow.	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Water present in ditches and culverts.	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Good - snow is melted and roads are clear.	
B	Ditches	Water present ~2-3 inches	
C	Culverts	Culverts are clear. Water present.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u>	
E	Utilities	Phone and Electric, Lock <u>N</u> - Electricity works. Telephone does not work.	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Gopher hole present. ERM filled it in.	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>0.0 ppm</u> , @ Vent 1 <u>0.0 ppm</u> , Vent 2 @ <u>0.0 ppm</u>	
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	Openings are clear - water present.	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u> - heat is on.	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>2</u> to Pump No. <u>1</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	N
C	Electrical Components	Test Pumps (Y or N), Lock <u>OK</u>	N
D	Manhole Interstitial Space	Water present ~ 3-4 feet	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 4/4/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>OK</u> - On	
B	Electrical and Telephone	OK - electricity on, telephone does not function.	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) DTW = 4.75' TD = 8.20'	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u>	
B	Water Levels	(Y or N) (see Form C) Yes	
C	Groundwater Sampling	(Y or N) (see Form D) Yes - groundwater sampling on 4/4/2022	

Additional Comments:

SCADA says Fans 3 and 5 are stopped. OB checked fans on roof and all are running.

Tank level = 45.69

Inside temperature = 67.31

Outside temperature = 57.48

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O. Botting

Company: ERM

Date: 5/13/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	OK	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) OK	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK, roads are clear.	
B	Ditches	OK, dry to some water present.	
C	Culverts	OK, some water present. Vegetation growing.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u> Tree is leaning on perimeter fence near main gate.	
E	Utilities	Phone and Electric, Lock <u>N</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Gopher holes - filled them in.	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background _____, @ Vent 1 _____, Vent 2 @ _____	N
C	Collection Pipe Cleanout	Lock <u>Y</u>	
D	Perimeter Drains (4)	OK	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u> - heat is still on.	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH _____, LSL _____, LSLL _____, LSHH _____	N
C	Electrical Components	Test Pumps (Y or N), Lock <u>N</u>	N
D	Manhole Interstitial Space	OK, approx. 4 ft water present.	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 5/13/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK, steady drip.	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>OK</u> - On	
B	Electrical and Telephone	Electricity works, telephone does not.	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) <u>OK</u>	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u>	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates Fan #4 and 6 are stopped. OB checked fans and all are running.

Tank level = 45.47 Inside temperature = 62.92 Outside temperature = 59.58

Metal post next to MW-6R is bent from snow plowing.

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: O. Botting

Company: ERM

Date: 6/27/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	OK - grass growing tall on sides of access road.	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) OK, water and vegetation present in ditches.	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK, grass growing on sides of access road in some area in the road (1"-7")	
B	Ditches	OK, ditches are dry or standing water is present. Vegetation 1"-6"	
C	Culverts	OK, tall vegetation is growing in front of culvert openings.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u> Tree resting on perimeter fence.	
E	Utilities	Phone and Electric, Lock <u>N</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) OK, grass 2"-4" on sides of landfill.	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>N/A</u> , @ Vent 1 <u>N/A</u> , Vent 2 @ <u>N/A</u>	N
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	OK, one drain is grown over with vegetation.	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>2</u> to Pump No. <u>1</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	N/A
C	Electrical Components	Test Pumps (Y or N), Lock <u>OK</u>	N
D	Manhole Interstitial Space	OK, approximately 3 feet of water present.	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 6/27/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK, steady drip from pipe.	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>Off</u>	
B	Electrical and Telephone	Electricity on, telephone does not work.	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) <u>OK</u>	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u>	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates a fan is stopped. Fan Number is not provided. OB checked fans and all are running.

SCADA indicates tank level = 47.08

SCADA indicates inside temp = 62.48; outside temp = 58.42

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: K. Popyack

Company: ERM

Date: 7/19/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	OK - grass growing tall on sides of access road.	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) OK, vegetation present in ditches.	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	OK, grass growing on sides of access road in some area in the road (1"-6")	
B	Ditches	OK, ditches are dry. Vegetation 1"-6"	
C	Culverts	OK, tall vegetation is growing in front of culvert openings.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u> Tree resting on perimeter fence.	
E	Utilities	Phone and Electric, Lock <u>N</u>	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) OK, grass 2"-4" on sides of landfill.	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>N/A</u> , @ Vent 1 <u>N/A</u> , Vent 2 @ <u>N/A</u>	N
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	OK, one drain is grown over with vegetation.	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>60.9</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>2</u> to Pump No. <u>1</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	N/A
C	Electrical Components	Test Pumps (Y or N), Lock <u>OK</u>	N
D	Manhole Interstitial Space	OK, approximately 2 feet of water present.	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date: 7/19/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	OK, steady drip from pipe.	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>OK</u> , Vent <u>OK</u> , Heater <u>Off</u>	
B	Electrical and Telephone	Electricity on, telephone does not work.	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) Leachate level: 4.88 TD:8.25	
A1	Flow Totalizer	Reading = <u>70</u> 00 gal.	
B	Secondary Containment	Liquid (Y or N)	N
B1	Drain Liquid	(Y or N)	N
C	Piping Components	OK	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>OK</u>	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates Fans 3, 5, and 6 are stopped. OB checked fans and all are running.

SCADA indicates tank level = 47.08

SCADA indicates inside temp = 62.48; outside temp = 58.42

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: K. Popyack

Company: ERM

Date: 8/22/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	okay- grass is tall on sides of the road	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) okay- vegetation present	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	okay	
B	Ditches	okay	
C	Culverts	Grass is tall	
D	Perimeter Fence	Locks <u>okay</u> , Gates <u>okay</u>	
E	Utilities	Phone and Electric, Lock <u>Electric</u> works, lock works, no phone	
F	Collection Trenches	N <u>okay</u> , S <u>okay</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) filled in one burrow, grass is tall	
B	Gas Vents (2)	6" Vent 1 <u>okay</u> 4" Vent 2 <u>okay</u>	
B1	PID Readings	(Y or N) Background <u>NA</u> , @ Vent 1 <u>NA</u> , Vent 2 @ <u>NA</u>	
C	Collection Pipe Cleanout	Lock <u>Yes</u>	
D	Perimeter Drains (4)	Fine	
4 Leachate Collection Manhole			
A	Structure	External <u>okay</u> , Internal <u>okay</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>61.0</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	NA
C	Electrical Components	Test Pumps (Y or N), Lock <u> </u>	NA
D	Manhole Interstitial Space	okay- around 2 feet of water	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Category	Inspected	Condition/Work Required	T
<i>E</i>	Conveyance Pipe	okay	
<i>F</i>	Influent Pipe	Containment Pipe <u>okay</u>	
<i>G</i>	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
<i>A</i>	Structure	Lock <u>okay</u> , Vent <u>okay</u> , Heater <u>off</u>	
<i>B</i>	Electrical and Telephone	electric on, phone does not work	
<i>C</i>	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
<i>A</i>	Tank (External)	Internal (Y or N)	
<i>A1</i>	Flow Totalizer	Reading = <u>7000</u> gal.	
<i>B</i>	Secondary Containment	Liquid (Y or N) <u>DRY</u>	
<i>B1</i>	Drain Liquid	(Y or N) <u>N</u>	N
<i>C</i>	Piping Components	okay	
<i>D</i>	Electrical Components	Lock <u>N</u>	
<i>E</i>	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
<i>A</i>	Condition	Locks <u>okay</u>	
<i>B</i>	Water Levels	(Y or N) (see Form C)	N
<i>C</i>	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates fans 3,5,6 are stopped (KP checked- all fans are running) S

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: A. Harford

Company: ERM

Date: 9/15/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	okay- grass is tall on sides of the road	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) okay- vegetation present	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	okay- grass is mowed today	
B	Ditches	ditches have 1-2 inches of water in some spots, getting mowed today	
C	Culverts	Grass is tall- getting mowed today	
D	Perimeter Fence	Locks <u>okay</u> , Gates <u>okay</u>	
E	Utilities	Phone and Electric, Lock <u>Electric</u> works, lock works, no phone	
F	Collection Trenches	N <u>okay</u> , S <u>okay</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) filled in one burrow, grass is tall- being mowed today	
B	Gas Vents (2)	6" Vent 1 <u>okay</u> 4" Vent 2 <u>okay</u>	
B1	PID Readings	(Y or N) Background <u>NA</u> , @ Vent 1 <u>NA</u> , Vent 2 @ <u>NA</u>	
C	Collection Pipe Cleanout	Lock <u>Yes</u>	
D	Perimeter Drains (4)	1 has heavy moss growth, 1 has standing water surrounding in ditch	
4 Leachate Collection Manhole			
A	Structure	External <u>okay</u> , Internal <u>okay</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>61.1</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	NA
C	Electrical Components	Test Pumps (Y or N), Lock <u> </u>	NA
D	Manhole Interstitial Space	okay- around 2 -2.5 feet of water in bottom	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 9/15/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	okay	
F	Influent Pipe	Containment Pipe <u>okay</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>okay</u> , Vent <u>okay</u> , Heater <u>off</u>	
B	Electrical and Telephone	electric on, phone does not work	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	
A1	Flow Totalizer	Reading = <u>7000</u> gal.	
B	Secondary Containment	Liquid (Y or N) <u>DRY</u>	
B1	Drain Liquid	(Y or N) <u>N</u>	N
C	Piping Components	okay	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>okay</u>	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates inside temp = 65.19 , outside temp = 56.00

SCADA indicates fans 3,5,6 are stopped (AH checked- all fans are running)

SCADA indicates tank level= 52.73

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: K. Popyack

Company: ERM

Date: 10/14/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	okay	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) okay- vegetation present	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	okay	
B	Ditches	okay	
C	Culverts	Grass is tall	
D	Perimeter Fence	Locks <u>okay</u> , Gates <u>okay</u>	
E	Utilities	Phone and Electric, Lock <u>Electric works, lock works, no phone</u>	
F	Collection Trenches	N <u>okay</u> , S <u>okay</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) filled in one burrow, grass is tall	
B	Gas Vents (2)	6" Vent 1 <u>okay</u> 4" Vent 2 <u>okay</u>	
B1	PID Readings	(Y or N) Background <u>NA</u> , @ Vent 1 <u>NA</u> , Vent 2 @ <u>NA</u>	
C	Collection Pipe Cleanout	Lock <u>Yes</u>	
D	Perimeter Drains (4)	Fine	
4 Leachate Collection Manhole			
A	Structure	External <u>okay</u> , Internal <u>okay</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>61.0</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) From Pump No. <u>2</u> to Pump No. <u>1</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u> </u> , LSL <u> </u> , LSL <u> </u> , LSHH <u> </u>	NA
C	Electrical Components	Test Pumps (Y or N), Lock <u> </u>	NA
D	Manhole Interstitial Space	okay- around 2.5 feet of water	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	okay	
F	Influent Pipe	Containment Pipe <u>okay</u>	
G	Confined Space Entry	(Y or N) (see Form B)	N
5 Building			
A	Structure	Lock <u>okay</u> , Vent <u>okay</u> , Heater <u>off</u>	
B	Electrical and Telephone	electric on, phone does not work	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F)	N
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N)	
A1	Flow Totalizer	Reading = <u>7000</u> gal.	
B	Secondary Containment	Liquid (Y or N) <u>DRY</u>	
B1	Drain Liquid	(Y or N) <u>N</u>	N
C	Piping Components	okay	
D	Electrical Components	Lock <u>N</u>	
E	Leachate Sampling	(Y or N)	N
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>okay</u>	
B	Water Levels	(Y or N) (see Form C)	N
C	Groundwater Sampling	(Y or N) (see Form D)	N

Additional Comments:

SCADA indicates fan #6 is stopped (KP checked- all fans are running)

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: Maddox

Company: ERM

Date: 11/8/22

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Good	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Good, no standing water.	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Easily accessible all around.	
B	Ditches	Some growth evident; drainage is not impacted.	
C	Culverts	Culverts are open.	
D	Perimeter Fence	Locks <u>OK</u> , Gates <u>OK</u>	
E	Utilities	Phone and Electric, Lock <u>OK</u> , Alarm phone OK, electrical OK, lubricated door lock but should be replaced.	
F	Collection Trenches	N <u>OK</u> , S <u>OK</u>	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement) Good	
B	Gas Vents (2)	6" Vent 1 <u>OK</u> 4" Vent 2 <u>OK</u>	
B1	PID Readings	(Y or N) Background <u>NA</u> , @ Vent 1 <u>NA</u> , Vent 2 @ <u>NA</u>	
C	Collection Pipe Cleanout	Lock <u>OK</u>	
D	Perimeter Drains (4)	Muddy, unobstructed	
4 Leachate Collection Manhole			
A	Structure	External <u>OK</u> , Internal <u>OK</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>61.1</u> , Pump 2 Hours <u>1.1</u>	
B1	Lead Pump Changeover	(Y or N) No From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u>OK</u> , LSL <u>OK</u> , LSLL <u>OK</u> , LSHH <u>OK</u>	
C	Electrical Components	Test Pumps (Y or N), Lock _____ Test OK	
D	Manhole Interstitial Space	Tested pumps down to low level	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 11/8/22

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	Visual OK	
F	Influent Pipe	Containment Pipe <u>OK</u>	
G	Confined Space Entry	(Y or N) (see Form B) NA	
5 Building			
		See	
A	Structure	Lock <u>above</u> , Vent <u>OK</u> , Heater <u>OK</u>	
B	Electrical and Telephone	See above	
C	Auto Dialer and Controls	Test Functions (Y or N) (see Form E and F) Yes. See field sheets.	
6 Leachate Storage System			
A	Tank (External)	Internal (Y or N) Visual OK	
A1	Flow Totalizer	Reading = <u>7000</u> gal.	
B	Secondary Containment	Liquid (Y or N) None	
B1	Drain Liquid	(Y or N) No	
C	Piping Components	OK	
D	Electrical Components	Lock <u>Not</u> locked	
E	Leachate Sampling	(Y or N) No	
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>Locked</u>	
B	Water Levels	(Y or N) (see Form C) NA	
C	Groundwater Sampling	(Y or N) (see Form D) NA	

Additional Comments: SCADA indicates fan #6 is not running, fans are checked and all fans are running.

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A)

Inspector: Olivia Botting & Mikah Inkawhich Company: ERM Date: 12/07/2022

Category	Inspected	Condition/Work Required	T
1 General Site			
A	General Site Access	Okay, gate locked, no obstructions	
B	General Site Drainage	(i.e., ditches, culvert, SPDES) Okay, water present	
2 Cell Perimeter Components			
A	Perimeter and Access Roads	Okay	
B	Ditches	Okay, water present	
C	Culverts	W-E culvert okay, tree growing on one side but water still flowing	
D	Perimeter Fence	Locks <u>ok</u> , Gates <u>ok</u> Tree leaning on fence near gate entrance	
E	Utilities	Phone and Electric, Lock <u>No</u>	
F	Collection Trenches	N <u>Ok</u> , S <u>Ok</u> Water present	
3 Containment Cell			
A	Surface Cover System	(i.e., vegetation, burrows, erosion, movement)	
B	Gas Vents (2)	6" Vent 1 <u>ok</u> 4" Vent 2 <u>ok</u>	
B1	PID Readings	(Y or N) Background <u>0.0 ppm</u> , @ Vent 1 <u>0.0 ppm</u> , Vent 2 @ <u>0.0 ppm</u>	
C	Collection Pipe Cleanout	Lock <u>Ok</u>	
D	Perimeter Drains (4)	Good except mesh on north facing drain was bent/open	
4 Leachate Collection Manhole			
A	Structure	External <u>ok</u> , Internal <u>ok</u>	
B	Pumps and Plumbing	Pump 1 Hours <u>61.4</u> , Pump 2 Hours <u>1.2</u>	
B1	Lead Pump Changeover	(Yes) From Pump No. <u>1</u> to Pump No. <u>2</u> , Lead	
B2	Test Automatic Pump Controls	LSH <u>NA</u> , LSL <u>NA</u> , LSL <u>NA</u> , LSHH <u>NA</u>	
C	Electrical Components	Test Pumps (Y or N), Lock <u>No</u>	
D	Manhole Interstitial Space	Approximately 3' of water	

OPERATION, MAINTENANCE AND MONITORING

FORMER CHICAGO PNEUMATIC TOOL COMPANY 2200 BLEECKER STREET UTICA, NEW YORK NYSDEC SITE NO. 622003

Site Inspection Report (Form A Cont.)

Date 12/07/2022

Category	Inspected	Condition/Work Required	T
E	Conveyance Pipe	Ok	
F	Influent Pipe	Containment Pipe <u>Ok</u> , steady drip from pipe	
G	Confined Space Entry	(No) (see Form B)	
5 Building			
A	Structure	Lock <u>No</u> , Vent <u>Ok</u> , Heater <u>Ok</u> Door lock does not work	
B	Electrical and Telephone	Electrical works, telephone does not work	
C	Auto Dialer and Controls	Test Functions (No) (see Form E and F)	
6 Leachate Storage System			
A	Tank (External) <u>Ok</u>	Internal (Yes)	
A1	Flow Totalizer	Reading = <u>80</u> 00 gal.	
B	Secondary Containment	Liquid (No)	
B1	Drain Liquid	(No)	
C	Piping Components	Ok	
D	Electrical Components	Lock <u>No</u>	
E	Leachate Sampling	(No)	
7 Groundwater Monitoring Wells			
A	Condition	Locks <u>Ok</u>	
B	Water Levels	(No) (see Form C)	
C	Groundwater Sampling	(No) (see Form D)	

Additional Comments:

ERM checked fans on roof - all running. SCADA says fans 3&6 are stopped but all are running

Inside Temperature: 66.78 F; Outside Temperature: 55.46 F; Tank Level: 56.20 F

Leachate DTW: 3.83/3.90/3.88; and TD: 8.21

APPENDIX C AUTO DIALER ALARM INCIDENT AND TESTING REPORT

Summary of Field Efforts 2022
Vontier -- Former Chicago Pneumatic Tool Company
Frankfort, New York

Date	Event	Alarm (Y/N)	Comments
3-Jan-22	Fan not running. SCADA didn't provide a specific fan.	Y	KP checked fans on 1/3/2022 -- all fans are running.
20-Jan-22	Fan #6 not running	Y	Alarm received at 12:30 -- check fans on 1/21/2022. All fans are running.
29-Jan-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 00:08 -- check fans on 1/31/2022. All fans are running.
2-Feb-22	Fan #6 not running	Y	Alarm received at 18:14 -- check fans on 2/4/2022. All fans are running.
21-Feb-22	Fan #6 not running	Y	Alarm received at 20:04 -- check fans on 2/22/2022. All fans are running.
27-Feb-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 23:28 -- check fans on 3/1/2022. All fans are running.
9-Mar-22	Fans #1, 2, and 4 not running	Y	Alarm received at 18:00 -- check fans on 3/10/2022. All fans are running.
9-Mar-22	Fan #6 not running	Y	Alarm received at 22:25 -- check fans on 3/10/2022. All fans are running.
15-Mar-22	Fan #6 not running	Y	Alarm received at 15:35 -- check fans on 3/16/2022. All fans are running.
19-Apr-22	Fan #6 not running	Y	Alarm received at 09:30 -- check fans on 4/20/2022. All fans are running.
24-Apr-22	Fans #1, 2, 4, and 6 not running	Y	Alarm received at 17:50 and 23:59 -- check fans on 4/25/2022. All fans are running.
27-Apr-22	Fans # 2, 4, and 6 not running	Y	Alarm received at 04:20 -- check fans on 4/27/2022. All fans are running.
12-May-22	Fans #4 and 6 not running.	Y	Alarm received at 12:55 -- check fans on 5/13/2022. All fans are running.

22-May-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 07:20 -- check fans on 5/23/2022. All fans are running.
27-May-22	Fan #6 not running	Y	Alarm received at 10:30 -- check fans on 5/27/2022. All fans are running.
31-May-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 07:20 -- check fans on 5/31/2022. All fans are running.
7-Jun-22	Fan #6 not running	Y	Alarm received at 18:00 -- check fans on 6/8/2022. All fans are running.
8-Jun-22	Fan #6 not running	Y	Alarm received at 20:30 -- check fans on 6/9/2022. All fans are running.
16-Jun-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 05:45 -- check fans on 6/16/2022. All fans are running.
24-Jun-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 23:45 -- check fans on 6/27/2022. All fans are running.
30-Jun-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 21:10 -- check fans on 7/1/2022. All fans are running.
21-Jul-22	Fan #6 not running	Y	Alarm received at 09:25 -- check fans on 7/22/2022. All fans are running.
3-Aug-22	Fan #5 not running	Y	Alarm received at 17:15 -- check fans on 8/4/2022. All fans are running.
18-Aug-22	Fans # 1, 2, and 4 not running.	Y	Alarm received at 13:50 -- check fans on 8/18/2022. All fans are running.
24-Aug-22	Fan #3 not running	Y	Alarm received at 21:00 -- check fans on 8/25/2022. All fans are running.
21-Sep-22	Fan #6 not running	Y	Alarm received at 20:00 -- check fans on 9/22/2022. All fans are running.
29-Sep-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 22:50 -- check fans on 9/30/2022. All fans are running.
30-Sep-22	Fan #6 not running	Y	Alarm received at 23:00 -- check fans on 10/3/2022. All fans are running.

2-Oct-22	Fan #6 not running	Y	Alarm received at 00:01 -- check fans on 10/3/2022. All fans are running.
3-Oct-22	Fan #6 not running	Y	Alarm received at 22:00 -- check fans on 10/4/2022. All fans are running.
4-Oct-22	Fan #6 not running	Y	Alarm received at 23:30 -- check fans on 10/5/2022. All fans are running.
5-Oct-22	Fan #6 not running	Y	Alarm received at 22:30 -- check fans on 10/6/2022. All fans are running.
6-Oct-22	Fan #6 not running	Y	Alarm received at 23:20 -- check fans on 10/7/2022. All fans are running.
13-Oct-22	Fan #6 not running	Y	Alarm received at 21:10 -- check fans on 10/14/2022. All fans are running.
17-Oct-22	Fan #6 not running	Y	Alarm received at 07:45 -- check fans on 10/17/2022. All fans are running.
24-Oct-22	Fan #6 not running	Y	Alarm received at 22:40 -- check fans on 10/26/2022. All fans are running.
31-Oct-22	Fan #6 not running	Y	Alarm received at 19:00 -- check fans on 11/1/2022. All fans are running.
5-Nov-22	Fan #6 not running	Y	Alarm received at 07:45 -- check fans on 11/8/2022. All fans are running.
8-Dec-22	Fan #5 not running	Y	Alarm received at 08:55 -- check fans on 12/8/2022. All fans are running.
9-Dec-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 02:50 -- check fans on 12/9/2022. All fans are running.
10-Dec-22	Fan #4 not running	Y	Alarm received at 09:00 -- check fans on 12/12/2022. All fans are running.
30-Dec-22	Fan not running. SCADA didn't provide a specific fan.	Y	Alarm received at 07:36 -- check fans on 12/30/2022. All fans are running.

APPENDIX D LEACHATE DISPOSAL RECORDS

17 August 2022

Attn: Pretreatment
Oneida County Sewer District
PO Box 442
Utica, NY 13503



Reference: Groundwater Remediation Discharge Permit No. GW-050

Subject: Semi-annual discharge report

No discharge occurred between 1 January 2022 and 31 May 2022.

Yours sincerely,

Tim Daniluk
Principal Consultant, Hydrogeologist
tim.daniluk@erm.com
+1 315-317-2044

26 January 2023

Attn: Pretreatment
Oneida County Sewer District
PO Box 442
Utica, NY 13503



Reference: Groundwater Remediation Discharge Permit No. GW-050

Subject: Semi-annual discharge report

No discharge occurred between 1 June 2022 and 31 December 2022.

Yours sincerely,

Tim Daniluk
Principal Consultant, Hydrogeologist
tim.daniluk@erm.com
+1 315-317-2044

APPENDIX E GROUNDWATER SAMPLING LOGS

Project No.: 0631423

Monitoring Well:	MW-6R	Area:	Eastern Parking Lot
Date:	4/4/2022	Sampling Device:	Peristaltic Pump
Sampling Personnel:	O.Botting	YSI Pro plus SN# 20B000228	
Weather Conditions:	43 degrees, cloudy, wind E 11 mph		Hach Turbidimeter
Time:	13:55		

Total Depth (TD) ¹ :	10.49	Screen Length (feet):	5
Depth to Water (DTW):	3.53	Well Diameter (inches):	2
Total Volume Purged (USG):	3.5	Casing Type:	PVC
Average Purge Rate:	200	PID Headspace (ppm):	0.1
Tubing Type:	HDPE	Measuring Point:	TOC
Pump Intake (feet below MP):	8.5	Color: None	Odor: None

[illegible]

Sample ID:
FF-MW-6R(04042022)

VOC
PCB
Metals

No
No
No

HCL
Unpreserved
HNO3

¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
² = Stabilization criteria based on three most recent consecutive measurements.
³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Project No.: 0631423

Monitoring Well:	MW-13A	Area:	RAF
Date:	4/4/2022	Sampling Device:	Peristaltic Pump
Sampling Personnel:	O.Botting	YSI Pro plus SN# 20B000228	
Weather Conditions:	41 degrees, mostly cloudy, wind SE 7 mph		Hach Turbidimeter
Time:	10:40		

Total Depth (TD) ¹ :	10.96	Screen Length (feet):	Unknown
Depth to Water (DTW):	3.11	Well Diameter (inches):	2
Total Volume Purged (USG):	3	Casing Type:	PVC
Average Purge Rate:	200	PID Headspace (ppm):	0
Tubing Type:	HDPE	Measuring Point:	TOC
Pump Intake (feet below MP):	10	Color: None	Odor: None

[illegible]

Sample ID:
FF-MW-13A(04042022)

VOC
PCB
Metals

No
No
No

HCL
Unpreserved
HNO3

¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
² = Stabilization criteria based on three most recent consecutive measurements.
³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form



Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423

Monitoring Well: MW-14 A Area: RAF
Date: 04/04/2022 Sampling Device: Peristaltic Pump
Sampling Personnel: EP YSI: 47852
Weather Conditions: cloudy, 44°F Turbidity Meter: 2297-5021
Time: 1515

Total Depth (TD)¹: 12.45 Screen Length (feet): 7
Depth to Water (DTW): 2.46 Well Diameter (inches): 2
Total Volume Purged (USG): 2.5 Casing Type: PVC
Average Purge Rate: 200 PID Headspace (ppm): 0.0
Tubing Type: HDPE Measuring Point: TAC
Pump Intake (feet below MP): 11.5 Color: Clear Odor: None

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
1520	2.81		5.6	507.0	3.34	7.43	41.0	40.1	400
1525	2.88		5.5	500.8	2.39	7.34	32.7	41.9	200
1530	2.90		5.2	487.1	1.98	7.27	23.7	43.3	200
1535	3.04		4.8	480.6	1.53	7.23	5.40	43.3	200
1540	3.15		4.8	483.0	1.40	7.21	4.26	42.3	200
1545	3.32		4.7	483.6	1.33	7.21	2.71	40.3	200
1550	3.45		4.7	481.2	1.33	7.20	1.50	38.2	200

Sampling Time: 1600

Sample ID: FF-MW-14A(04042022) Analysis Requested: VOCs Filtered Y/N: N Preservative: HCl
Additional Field Measurements: Total Metals N HNO₃
NY TCL-8082 N None

Notes:
¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
² = Stabilization criteria based on three most recent consecutive measurements.
³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form



Site Name: Vontier - Farmer Chicago Pneumatic
Project No.: 0631423

Monitoring Well: MW-17	Area: East parking lot
Date: 04/04/2022	Sampling Device: Peristaltic Pump
Sampling Personnel: EP	Turbidity Meter i5602...1915
Weather Conditions: cloudy, 43°F	YSI: 41778
Time: 1350	

Total Depth (TD) ¹ : 11.25	Screen Length (feet): 5
Depth to Water (DTW): 3.36	Well Diameter (inches): 2
Total Volume Purged (USG): 3	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 1.8
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10	Color: Clear Odor: none

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
1355	3.60		7.8	910	6.15	7.67	7.11	157.3	200
1400	3.58		7.7	916	4.03	7.44	4.14	161.5	200
1405	3.58		7.7	915	3.52	7.36	3.33	158.3	200
1410	3.55		7.6	914	3.46	7.35	3.46	153.0	200
1415	3.65		7.7	920	3.29	7.34	2.92	148.9	200
1420	3.65		7.7	920	3.22	7.34	2.79	146.1	200
1425	3.68		7.8	920	3.16	7.34	2.74	144.2	200
Wing Page									

Sampling Time: 1435

Sample ID: FF-MW-17(04042022)	Analysis Requested: VOCs	Filtered Y/N: N	Preservative: HCl
Additional Field Measurements	Total Metals	N	HNO ₃
FF-DUP (04042022)	NITCL-8082	N	None

Notes:

- ¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
- ² = Stabilization criteria based on three most recent consecutive measurements.
- ³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Vontier
Project No.: 0631423

Note: diesel smell from nearby tractor-trailers noted at time of sampling VOCs



Monitoring Well: MW-18	Area: Water tower
Date: 04/04/2022	Sampling Device: Peristaltic Pump
Sampling Personnel: E.P.	YSI: 41778
Weather Conditions: partly sunny, 38°F	Thermometer: 5602... 1915
Time: 945	

Total Depth (TD) ¹ : 11.74	Screen Length (feet): 5
Depth to Water (DTW): 3.89	Well Diameter (inches): 2"
Total Volume Purged (USG): 12 gal.	Casing Type: PVC
Average Purge Rate: 200	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10.5	Color: Clear
	Odor: None

Time (min)	DTW (feet)	Comments:	Temp (°C)	SpC (uS/cm)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
0945	5.92		5.8	323	5.53	7.33	7.37	76.7	400
0950	5.92		6.00	325	2.54	7.15	4.67	49.6	200
0955	5.78		6.0	327	2.32	7.07	3.74	36.8	200
1000	5.75		6.1	333	2.09	7.08	3.99	25.1	200
1005	5.80		6.2	361	1.32	7.05	3.66	2.2	200
1010	5.83		6.2	374	1.33	7.04	3.55	-7.9	200
1015	5.80		6.2	394	1.20	7.03	2.24	-15.0	200
1020	5.75		6.2	408	1.01	7.04	3.38	-23.2	200
1025	5.74	SpC in wrong unit	6.3	418	1.17	7.05	2.90	-30.5	200
1030	5.75		6.4	439.8	1.73	7.07	3.07	-39.5	200
1035	5.75		6.4	439.0	1.19	7.09	4.98	-43.8	200
1040	5.77		6.5	464.8	0.97	7.07	4.79	-46.5	200
1045	5.77		6.6	470.9	0.90	7.10	4.17	-51.2	200
1050	5.77		6.8	490.3	0.98	7.13	3.09	-55.7	200
1055	5.69		6.6	510.7	0.85	7.14	3.28	-58.9	200
1100	5.42		6.5	547.6	1.05	7.14	3.62	-59.1	200
1105	5.85		6.3	496.5	0.92	7.16	4.23	-60.6	200
1110	5.88		6.5	520.8	1.14	7.14	3.04	-60.2	200
1115	5.83		6.4	538.4	1.14	7.14	2.25	-61.4	200
1120	5.55		6.6	570.4	0.99	7.14	1.63	-62.2	200
1125	5.70		6.4	542.3	0.96	7.16	2.35	-65.1	200
1130	5.80		6.4	540.2	1.10	7.17	3.22	-63.9	200
1135	5.84		6.5	560.9	0.93	7.17	2.73	-64.0	200
1140	5.85		6.6	555.2	0.92	7.18	2.71	-66.0	200
1145	5.88		6.6	581.3	0.89	7.16	3.84	-65.5	200
1150	5.70		6.7	600.6	0.88	7.17	2.69	-65.9	200
1155	5.63		6.5	583.7	0.83	7.18	2.87	-68.4	200
1200	5.58		6.5	585.1	0.80	7.19	2.41	-68.6	200

Sampling Time: 1205

Sample ID:

FF-MW-18(04042022)

Analysis Requested:

VOCs

Filtered Y/N:

N

Preservative:

HCl

Additional Field Measurements

MS/MSD

Total Metals NYTCL

NYTCL-8082-LVI

N

N

HNO₃

None

Notes:

¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

² = Stabilization criteria based on three most recent consecutive measurements.

³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423



Monitoring Well: MW-6R	Area: Onsite
Date: 10/4/22	Sampling Device: Peristaltic Pump
Sampling Personnel: O. Botling	YSI SN# 19A103314
Weather Conditions: 53°, partly cloudy, wind SE 2 mph	
Time: 1130	

Total Depth (TD) ¹ : 10.51	Screen Length (feet): 5
Depth to Water (DTW): 4.65	Well Diameter (inches): 2
Total Volume Purged (USG): 3.0	Casing Type: PVC
Average Purge Rate: 120	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): ~9.5	Color: None Odor: None

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
1135	5.15		17.8	928	2.52	6.87	38.5	84.3	120
1140	5.32		18.1	1102	0.67	6.70	23.4	36.3	120
1145	5.42		18.2	1323	0.68	6.61	18.2	15.4	120
1150	5.46		18.1	1329	0.64	6.59	13.7	6.2	120
1155	5.48		18.3	1390	0.58	6.56	15.8	0.7	120
1200	5.48		18.3	1456	0.55	6.52	10.83	-3.4	120
1205	5.50		18.3	1492	0.49	6.50	7.82	-6.9	120
1210	5.50		18.2	1491	0.46	6.49	9.01	-7.8	120
1215	5.52		18.3	1515	0.42	6.48	7.07	-9.4	120

Chris D. g
10/4/22

Sampling Time: 1220

Sample ID:	Analysis Requested:	Filtered Y/N:	Preservative:
FF-MW-6R (10042022)	VOC	No	HCL
	Metals	No	HNO3
Additional Field Measurements	Pesticides	No	Unpreserved

Lawn being mowed at time
of sampling. Cars driving by.

Notes:

- ¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
- ² = Stabilization criteria based on three most recent consecutive measurements.
- ³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form



Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423

MW-

Monitoring Well: 13A	Area: On Site	Peristaltic Pump
Date: 10-04-2022	Sampling Device: YSI	
Sampling Personnel: Matthew Cameron	SN: 186102410	
Weather Conditions: Cloudy		
Time: 14:30		

Total Depth (TD) ¹ : 11.1'	Screen Length (feet): Unknown
Depth to Water (DTW): 4.425	Well Diameter (inches): 2"
Total Volume Purged (USG): 3.5 gal	Casing Type: PVC
Average Purge Rate: 150	PID Headspace (ppm): 0.0
Tubing Type: HDPE	Measuring Point: TOC
Pump Intake (feet below MP): 10.1'	Color: Clear Odor: Odorless

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
14:40	5.10		18.3	501.6	2.13	7.37	5.70	38.2	120-150
14:45	5.275		18.3	507.1	1.28	7.35	4.26	-6.6	150
14:50	5.375		18.3	509.1	0.83	7.34	3.78	-32.2	150
14:55	5.40		18.3	515.6	0.61	7.31	2.31	-43.0	150
15:00	5.425		18.3	517.9	0.38	7.29	1.73	-52.5	150
15:05	5.45		18.3	519.0	0.26	7.30	1.91	-57.8	150
15:10	5.475		18.3	519.9	0.20	7.29	1.81	-62.3	150

Matthew Cameron

10/04/22

Sampling Time: 15:15

Sample ID: FF-MW-13A(10042022)

Additional Field Measurements

Analysis Requested:
VOC
Metals
Pesticides

Filtered Y/N:
No
No
No

Preservative:
HCL
HNO3
Unpreserved

Notes:

- ¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
- ² = Stabilization criteria based on three most recent consecutive measurements.
- ³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

ES37

Low-Flow Groundwater Sampling Form



Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423

Monitoring Well: CB ~~MMW-14A~~ Area: On site
Date: 10-4-2022 Sampling Device: YST Peristaltic Pump
Sampling Personnel: Matthew Cameron SN: 186102410
Weather Conditions: Cloudy
Time: 11:05

Total Depth (TD)¹: 12.45 Screen Length (feet): 7"
Depth to Water (DTW): 4.0 Well Diameter (inches): 2
Total Volume Purged (USG): 4.5 gal Casing Type: PVC
Average Purge Rate: 120 PID Headspace (ppm): 0.0
Tubing Type: HOPE Measuring Point: TOE
Pump Intake (feet below MP): 11.45 Color: Clear Odor: Odorless

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
11:15	4.65		14.7	664	0.66	6.79	3.07	72.7	120
11:20	4.975		14.7	663	0.50	6.80	2.63	71.2	120
11:25	5.40		14.7	666	0.40	6.79	1.78	69.3	120
11:30	5.775		14.8	673	0.43	6.80	2.31	67.9	120
11:35	6.10		14.8	679	0.61	6.82	2.47	67.6	120
11:40	6.35		14.8	682	0.78	6.83	1.99	68.5	120
11:45	6.60		14.8	674	0.73	6.82	1.85	69.1	120
11:50	6.90		14.9	663	0.42	6.84	1.71	67.8	120
11:55	7.125		14.9	666	0.27	6.85	2.51	66.7	120
12:00	7.40		14.9	669	0.19	6.83	3.53	65.7	120

Sampling Time: 12:05

Sample ID: FF-MMW-14A (10042022)

Additional Field Measurements

3 sets taken

Analysis Requested:

VOC
Metals
Pesticides

Filtered Y/N:

No
No
No

Preservative:

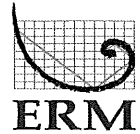
HCL
HNO3
Unpreserved

Notes:

- ¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
- ² = Stabilization criteria based on three most recent consecutive measurements.
- ³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Low-Flow Groundwater Sampling Form

Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423



Monitoring Well: MW-17	Area: Onsite
Date: 10/4/22	Sampling Device: Peristaltic Pump
Sampling Personnel: O. Botting	YSI SN# 19A103314
Weather Conditions: 57°, mostly cloudy, wind SE 5 mph	
Time: 1248	

Total Depth (TD) ¹ : 11.30	Screen Length (feet): 5
Depth to Water (DTW): 8.74	Well Diameter (inches): 2
Total Volume Purged (USG): 5.0	Casing Type: PVC
Average Purge Rate: 120	PID Headspace (ppm): 6.1
Tubing Type: HDPE	Measuring Point: TOL
Pump Intake (feet below MP): ~10.0	Color: None Odor: None

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
1253	8.90		17.1	1200	5.34	6.79	7.35	56.8	120
1258	9.01		17.1	1200	4.80	6.87	4.92	58.5	120
1303	9.06		17.0	1148	3.25	6.90	5.45	64.0	120
1308	9.07		17.0	1133	2.63	6.90	5.30	66.6	120
1313	9.06		17.0	1089	1.94	6.92	6.95	69.2	120
1318	9.05		16.9	1045	1.44	6.92	6.17	72.1	120
1323	9.06		16.9	1029	1.35	6.96	4.48	74.4	120
1328	9.06		16.8	1026	1.57	6.91	3.84	76.7	120
1333	9.07		16.8	1045	1.66	6.91	3.52	77.5	120
1338	9.07		16.8	1001	0.89	6.90	2.82	78.8	120
1343	9.07		16.7	999	1.07	6.93	3.02	79.5	120
1348	9.07		16.8	985	1.06	6.90	3.10	80.0	120
1353	9.06		16.8	961	0.65	6.91	3.26	80.5	120
1358	9.07		16.8	961	0.63	6.88	2.82	81.2	120
1403	9.08		16.7	958	0.82	6.92	2.89	81.7	120
1408	9.09		16.7	943	0.84	6.90	1.86	82.6	120
1413	9.09		16.7	955	0.85	6.90	2.53	83.0	120

O. Botting
10/4/22

Sampling Time: 1415

Sample ID: FF-MW-17 (10042022)

Analysis Requested:
VOC
Metals
Pesticides

Filtered Y/N:
No
No
No

Preservative:
HCL
HNO3
Unpreserved

Additional Field Measurements

FF - DUP (10042022)

Notes:

¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.

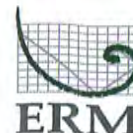
² = Stabilization criteria based on three most recent consecutive measurements.

³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

Cars driving by while sampling. Freshly mowed lawn.

Low-Flow Groundwater Sampling Form

Site Name: Vontier - Former Chicago Pneumatic
Project No.: 0631423



Monitoring Well: <u>MW-18</u>	Area: <u>On site</u>
Date: <u>10-4-2022</u>	Sampling Device: <u>YSI</u>
Sampling Personnel: <u>Olivia + Matt, Cameron</u>	Peristaltic Pump
Weather Conditions: <u>Partly Cloudy</u>	SN: <u>18G102410</u>
Time: <u>9:10</u>	

Total Depth (TD) ¹ : <u>11.8'</u>	Screen Length (feet): <u>5'</u>
Depth to Water (DTW): <u>5.70'</u>	Well Diameter (inches): <u>2</u>
Total Volume Purged (USG): <u>4 gal</u>	Casing Type: <u>PVC</u>
Average Purge Rate: <u>120</u>	PID Headspace (ppm): <u>0.0</u>
Tubing Type: <u>HDPE</u>	Measuring Point: <u>TOC</u>
Pump Intake (feet below MP): <u>10.8'</u>	Color: <u>Clear</u>
	Odor: <u>Sulfur / like</u>

Time: (min)	DTW: (feet)	Comments:	Temp (°C)	SpC (uS/cm ³)	DO (mg/L)	pH (std units)	Turb NTU	ORP mV	Flow (mL/min)
Stabilization Criteria ²			+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10% ³	+/- 10 mV	100-400
9:19	6.2		14.6	453.8	0.43	6.84	2.86	-31.2	120
9:25	6.5		14.7	429.7	0.95	6.81	2.50	-84.6	120
9:30	6.7		14.7	464.5	0.26	6.81	2.89	-111.6	120
9:35	6.8		14.7	441.3	0.21	6.84	2.15	-120.5	120
9:40	6.85		14.6	449.1	0.18	6.83	1.86	-127.9	120
9:45	6.95		14.6	514.1	0.19	6.47	1.39	-132.7	120
9:50	7.05		14.7	538.9	0.16	6.90	1.36	-137.0	120
9:55	7.10		14.7	551.2	0.13	6.90	1.14	-141.7	120
10:00	7.175		14.6	564.1	0.13	6.92	0.91	-141.9	120
10:05	7.225		14.6	580.2	0.13	6.92	0.87	-142.2	120
10:10	7.25		14.6	589.1	0.12	6.93	0.89	-145.9	120
10:15	7.275		14.7	592.0	0.11	6.95	1.60	-147.5	120
 10/4/2022									

Sampling Time: 10:20

Sample ID: EF-MW-18 (10/4/2022)

Additional Field Measurements

Analysis Requested:
VOC
Metals
Pesticides

Filtered Y/N:
No
No
No

Preservative:
HCL
HNO3
Unpreserved

Notes:

- ¹ = Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
- ² = Stabilization criteria based on three most recent consecutive measurements.
- ³ = Plus or minus 10-percent when turbidity is over 10 NTUs.

APPENDIX F GROUNDWATER ANALYTICAL DATA



ANALYTICAL REPORT

Lab Number:	L2217274
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	VONTIER FRMR CHICAGO PNEUMATIC
Project Number:	0631423.02
Report Date:	04/25/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2217274-01	FF-TB (04042022)	WATER	FRANKFORT, NY	04/04/22 08:45	04/04/22
L2217274-02	FF-EB (04042022)	WATER	FRANKFORT, NY	04/04/22 09:00	04/04/22
L2217274-03	FF-MW-13A (04042022)	WATER	FRANKFORT, NY	04/04/22 11:20	04/04/22
L2217274-04	FF-MW-18 (04042022)	WATER	FRANKFORT, NY	04/04/22 12:05	04/04/22
L2217274-05	FF-MW-17 (04042022)	WATER	FRANKFORT, NY	04/04/22 14:35	04/04/22
L2217274-06	FF-MW-6R (04042022)	WATER	FRANKFORT, NY	04/04/22 14:45	04/04/22
L2217274-07	FF-MW-14A (04042022)	WATER	FRANKFORT, NY	04/04/22 16:00	04/04/22
L2217274-08	FF-DUP (04042022)	WATER	FRANKFORT, NY	04/04/22 12:00	04/04/22

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Case Narrative

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

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

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

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

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

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

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

The WG1626798-3/-4 MS/-MSD recoveries for calcium (28%/36%), performed on L2217274-04, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 04/25/22

ORGANICS

VOLATILES

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-01
Client ID: FF-TB (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 08:45
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 01:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-01
Client ID: FF-TB (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 08:45
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	114		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-02
Client ID: FF-EB (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 09:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 02:07
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-02
Client ID: FF-EB (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 09:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	116		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-03
Client ID: FF-MW-13A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 11:20
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 02:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-03
Client ID: FF-MW-13A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 11:20
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	115		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-04
Client ID: FF-MW-18 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:05
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 02:57
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-04
Client ID: FF-MW-18 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:05
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.3	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	116		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-05 D
Client ID: FF-MW-17 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:35
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 04:11
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	2.3	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	1600		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-05 D
Client ID: FF-MW-17 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:35
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	880		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-06
Client ID: FF-MW-6R (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:45
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 03:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-06
Client ID: FF-MW-6R (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:45
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	117		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-07
Client ID: FF-MW-14A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 16:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 03:46
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-07
Client ID: FF-MW-14A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 16:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	120		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-08 D
Client ID: FF-DUP (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/14/22 04:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	2.4	J	ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	1700		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-08 D
Client ID: FF-DUP (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	910		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/13/22 21:09
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1627291-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/13/22 21:09
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1627291-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/13/22 21:09
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1627291-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2217274

Project Number: 0631423.02

Report Date: 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1627291-3 WG1627291-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	96		98		70-130	2		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	97		99		70-130	2		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	86		85		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	96		98		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		96		67-130	1		20
trans-1,3-Dichloropropene	84		81		70-130	4		20
cis-1,3-Dichloropropene	83		82		70-130	1		20
Bromoform	84		87		54-136	4		20
1,1,2,2-Tetrachloroethane	96		97		67-130	1		20
Benzene	99		100		70-130	1		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		99		64-130	1		20
Bromomethane	42		53		39-139	23	Q	20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2217274

Report Date: 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1627291-3 WG1627291-4								
Chloroethane	99		96		55-138	3		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		99		70-130	1		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		100		70-130	3		20
Methyl tert butyl ether	92		94		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	94		100		63-138	6		20
4-Methyl-2-pentanone	80		80		59-130	0		20
2-Hexanone	78		84		57-130	7		20
Bromochloromethane	94		96		70-130	2		20
1,2-Dibromoethane	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	84		89		41-144	6		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2217274

Project Number: 0631423.02

Report Date: 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1627291-3 WG1627291-4								
1,2,4-Trichlorobenzene	95		100		70-130	5		20
Methyl Acetate	89		92		70-130	3		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	84		90		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	92		92		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	105		101		70-130
4-Bromofluorobenzene	108		108		70-130
Dibromofluoromethane	97		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab FF-MW-18 (04042022) Associated sample(s): 01-08 QC Batch ID: WG1627291-6 WG1627291-7 QC Sample: L2217274-04 Client ID:												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.9	99		9.9	99		63-130	0		20
1,1,2-Trichloroethane	ND	10	9.6	96		9.2	92		70-130	4		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	13	130		12	120		62-150	8		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	130		12	120		67-130	8		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	8.6	86		8.5	85		70-130	1		20
cis-1,3-Dichloropropene	ND	10	8.6	86		8.4	84		70-130	2		20
Bromoform	ND	10	8.9	89		8.8	88		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	ND	10	12	120		11	110		70-130	9		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	13	130		13	130		64-130	0		20
Bromomethane	ND	10	5.6	56		6.8	68		39-139	19		20
Vinyl chloride	9.0	10	20	110		20	110		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2217274

Report Date: 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1627291-6 WG1627291-7 QC Sample: L2217274-04 Client ID: FF-MW-18 (04042022)												
Chloroethane	ND	10	12	120		11	110		55-138	9		20
1,1-Dichloroethene	ND	10	13	130		12	120		61-145	8		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	9.6	96		9.6	96		63-130	0		20
p/m-Xylene	ND	20	24	120		23	115		70-130	4		20
o-Xylene	ND	20	23	115		22	110		70-130	4		20
cis-1,2-Dichloroethene	2.3J	10	13	130		13	130		70-130	0		20
Styrene	ND	20	21	105		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	13	130		13	130		36-147	0		20
Acetone	ND	10	10	100		11	110		58-148	10		20
Carbon disulfide	ND	10	13	130		12	120		51-130	8		20
2-Butanone	ND	10	11	110		11	110		63-138	0		20
4-Methyl-2-pentanone	ND	10	8.7	87		8.9	89		59-130	2		20
2-Hexanone	ND	10	8.9	89		9.3	93		57-130	4		20
Bromochloromethane	ND	10	11	110		10	100		70-130	10		20
1,2-Dibromoethane	ND	10	9.9	99		10	100		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	8.7	87		8.8	88		41-144	1		20
Isopropylbenzene	ND	10	12	120		12	120		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Project Number:** 0631423.02**Lab Number:** L2217274**Report Date:** 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1627291-6 WG1627291-7 QC Sample: L2217274-04 Client ID: FF-MW-18 (04042022)												
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl Acetate	ND	10	9.5	95		9.9	99		70-130	4		20
Cyclohexane	ND	10	13	130		13	130		70-130	0		20
1,4-Dioxane	ND	500	390	78		490	98		56-162	23	Q	20
Freon-113	ND	10	13	130		12	120		70-130	8		20
Methyl cyclohexane	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	98		100		70-130
Toluene-d8	102		102		70-130

PCBS

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-02
Client ID: FF-EB (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 09:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 17:07
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-03
Client ID: FF-MW-13A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 11:20
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 16:34
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-04
Client ID: FF-MW-18 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:05
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 18:22
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-05
Client ID: FF-MW-17 (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:35
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 17:15
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-06
Client ID: FF-MW-6R (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 14:45
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 17:24
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-07
Client ID: FF-MW-14A (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 16:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/13/22 17:32
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 04/13/22 04:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/13/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

SAMPLE RESULTS

Lab ID: L2217274-08
Client ID: FF-DUP (04042022)
Sample Location: FRANKFORT, NY

Date Collected: 04/04/22 12:00
Date Received: 04/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/24/22 13:10
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/23/22 19:29
Cleanup Method: EPA 3665A
Cleanup Date: 04/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 04/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 04/13/22 14:57
 Analyst: AWS

Extraction Method: EPA 3510C
 Extraction Date: 04/13/22 04:29
 Cleanup Method: EPA 3665A
 Cleanup Date: 04/13/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/13/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-07 Batch: WG1626503-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 04/24/22 12:45
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 04/23/22 19:29
 Cleanup Method: EPA 3665A
 Cleanup Date: 04/24/22
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1630328-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-07 Batch: WG1626503-2 WG1626503-3									
Aroclor 1016	74		83		40-140	11		50	A
Aroclor 1260	76		85		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150	B
Decachlorobiphenyl	77		93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2217274

Project Number: 0631423.02

Report Date: 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1630328-2 WG1630328-3									
Aroclor 1016	81		80		40-140	2		50	A
Aroclor 1260	77		83		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	A
Decachlorobiphenyl	66		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		80		30-150	B
Decachlorobiphenyl	90		88		30-150	B

Matrix Spike Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-07 QC Batch ID: WG1626503-4 WG1626503-5 QC Sample: L2217274-04 Client ID: FF-MW-18 (04042022)													
Aroclor 1016	ND	1.78	1.36	76		1.52	85		40-140	11		50	A
Aroclor 1260	ND	1.78	1.34	75		1.48	83		40-140	10		50	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		86		30-150	A
Decachlorobiphenyl	78		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		82		30-150	B
Decachlorobiphenyl	87		93		30-150	B

METALS

Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-02

Date Collected: 04/04/22 09:00

Client ID: FF-EB (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0581		mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Barium, Total	0.00048	J	mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Calcium, Total	0.0443	J	mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Chromium, Total	0.00022	J	mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Iron, Total	0.0921		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Magnesium, Total	0.0337	J	mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Manganese, Total	0.00194		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:42	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 22:42	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-03

Date Collected: 04/04/22 11:20

Client ID: FF-MW-13A (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00674	J	mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00067		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Barium, Total	0.2590		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Calcium, Total	79.7		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Iron, Total	0.554		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Magnesium, Total	19.1		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Manganese, Total	0.1902		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:45	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Potassium, Total	1.05		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Sodium, Total	3.35		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 22:46	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-04

Date Collected: 04/04/22 12:05

Client ID: FF-MW-18 (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00358	J	mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Antimony, Total	0.00069	J	mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00065		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Barium, Total	0.1193		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Calcium, Total	95.5		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Iron, Total	2.52		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Magnesium, Total	19.9		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Manganese, Total	0.2300		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:25	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Potassium, Total	1.30		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Sodium, Total	6.27		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Thallium, Total	0.00022	J	mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 21:53	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-05

Date Collected: 04/04/22 14:35

Client ID: FF-MW-17 (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00034	J	mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Barium, Total	0.08878		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Calcium, Total	106.		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Chromium, Total	0.00023	J	mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Copper, Total	0.00144		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Magnesium, Total	14.5		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Manganese, Total	0.00133		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:49	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Potassium, Total	2.54		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Sodium, Total	72.8		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 22:51	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-06

Date Collected: 04/04/22 14:45

Client ID: FF-MW-6R (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00755	J	mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00191		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Barium, Total	0.2431		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Calcium, Total	102.		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00022	J	mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Iron, Total	19.4		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Magnesium, Total	10.7		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Manganese, Total	2.297		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:52	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Potassium, Total	1.95		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Sodium, Total	99.7		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV
Zinc, Total	0.00422	J	mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 22:56	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-07

Date Collected: 04/04/22 16:00

Client ID: FF-MW-14A (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0153		mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00066		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Barium, Total	0.03533		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Calcium, Total	122.		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Chromium, Total	0.00026	J	mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00026	J	mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Copper, Total	0.00193		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Iron, Total	0.399		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Magnesium, Total	10.7		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Manganese, Total	0.08007		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:55	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Potassium, Total	1.38		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Sodium, Total	1.44		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 23:01	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2217274**Project Number:** 0631423.02**Report Date:** 04/25/22**SAMPLE RESULTS**

Lab ID: L2217274-08

Date Collected: 04/04/22 12:00

Client ID: FF-DUP (04042022)

Date Received: 04/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0141		mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00035	J	mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Barium, Total	0.08941		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Calcium, Total	108.		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Chromium, Total	0.00034	J	mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Copper, Total	0.00143		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Iron, Total	0.0427	J	mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Magnesium, Total	14.7		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Manganese, Total	0.00137		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:59	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Potassium, Total	2.56		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Sodium, Total	74.0		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Thallium, Total	0.00022	J	mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 23:16	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2217274

Project Number: 0631423.02

Report Date: 04/25/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-08 Batch: WG1626798-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Arsenic, Total	0.00017	J	mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Thallium, Total	0.00016	J	mg/l	0.00100	0.00014	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/20/22 16:20	04/20/22 21:13	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-08 Batch: WG1626801-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/20/22 19:30	04/21/22 13:19	1,7470A	DMB



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2217274

Report Date: 04/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1626798-2								
Aluminum, Total	94		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	99		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	83		-		80-120	-		
Chromium, Total	92		-		80-120	-		
Cobalt, Total	89		-		80-120	-		
Copper, Total	88		-		80-120	-		
Iron, Total	95		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	94		-		80-120	-		
Nickel, Total	89		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Project Number:** 0631423.02**Lab Number:** L2217274**Report Date:** 04/25/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1626798-2					
Zinc, Total	90	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1626801-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 (04042022) QC Batch ID: WG1626798-3 WG1626798-4 QC Sample: L2217274-04 Client ID: FF-MW-18												
Aluminum, Total	0.00358J	2	1.79	90		1.83	92		75-125	2		20
Antimony, Total	0.00069J	0.5	0.4575	92		0.4234	85		75-125	8		20
Arsenic, Total	0.00065	0.12	0.1197	99		0.1183	98		75-125	1		20
Barium, Total	0.1193	2	2.064	97		2.102	99		75-125	2		20
Beryllium, Total	ND	0.05	0.05367	107		0.05056	101		75-125	6		20
Cadmium, Total	ND	0.053	0.05119	96		0.05233	99		75-125	2		20
Calcium, Total	95.5	10	98.3	28	Q	99.1	36	Q	75-125	1		20
Chromium, Total	ND	0.2	0.1820	91		0.1826	91		75-125	0		20
Cobalt, Total	ND	0.5	0.4380	88		0.4332	87		75-125	1		20
Copper, Total	ND	0.25	0.2169	87		0.2171	87		75-125	0		20
Iron, Total	2.52	1	3.27	75		3.30	78		75-125	1		20
Lead, Total	ND	0.53	0.5263	99		0.5257	99		75-125	0		20
Magnesium, Total	19.9	10	28.8	89		28.8	89		75-125	0		20
Manganese, Total	0.2300	0.5	0.6898	92		0.6749	89		75-125	2		20
Nickel, Total	ND	0.5	0.4469	89		0.4439	89		75-125	1		20
Potassium, Total	1.30	10	11.1	98		11.9	106		75-125	7		20
Selenium, Total	ND	0.12	0.117	98		0.118	98		75-125	1		20
Silver, Total	ND	0.05	0.04789	96		0.04766	95		75-125	0		20
Sodium, Total	6.27	10	15.6	93		15.8	95		75-125	1		20
Thallium, Total	0.00022J	0.12	0.1182	98		0.1187	99		75-125	0		20
Vanadium, Total	ND	0.5	0.4623	92		0.4575	92		75-125	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2217274
Report Date: 04/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 (04042022) QC Batch ID: WG1626798-3 WG1626798-4 QC Sample: L2217274-04 Client ID: FF-MW-18									
Zinc, Total	ND	0.5	0.4366	87	0.4401	88	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 02-08 (04042022) QC Batch ID: WG1626801-3 WG1626801-4 QC Sample: L2217274-04 Client ID: FF-MW-18									
Mercury, Total	ND	0.005	0.00458	92	0.00474	95	75-125	3	20

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Serial Dilution Analysis Batch Quality Control

Lab Number: L2217274

Report Date: 04/25/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 QC Batch ID: WG1626798-6 QC Sample: L2217274-04 Client ID: FF-MW-18 (04042022)						
Barium, Total	0.1193	0.1180	mg/l	1		20
Calcium, Total	95.5	95.2	mg/l	0		20
Iron, Total	2.52	2.58	mg/l	2		20
Magnesium, Total	19.9	19.4	mg/l	3		20
Manganese, Total	0.2300	0.2294	mg/l	0		20
Sodium, Total	6.27	6.14	mg/l	2		20

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Serial_No:04252214:14
Lab Number: L2217274
Report Date: 04/25/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2217274-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-02D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-02E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-02F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),CR-TI(180),SE-TI(180),BE-6020T(180),PB-TI(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CD-TI(180),CO-6020T(180)
L2217274-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-03D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-03E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2217274-03F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),AS-Ti(180),BA-Ti(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),AG-Ti(180),ZN-6020T(180),NA-6020T(180),CR-Ti(180),PB-6020T(180),BE-6020T(180),PB-Ti(180),MN-6020T(180),SE-Ti(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180),CD-Ti(180)
L2217274-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04A1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04A2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04B1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04B2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04C1	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04C2	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-04D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04D1	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04D2	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04E1	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04E2	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-04F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-Ti(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),AS-Ti(180),AG-Ti(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),CR-Ti(180),MN-6020T(180),PB-Ti(180),SE-Ti(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180),CD-Ti(180)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2217274-04F1	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-TI(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),AS-TI(180),AG-TI(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),CR-TI(180),MN-6020T(180),PB-TI(180),SE-TI(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180),CD-TI(180)
L2217274-04F2	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-TI(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),AS-TI(180),AG-TI(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),CR-TI(180),MN-6020T(180),PB-TI(180),SE-TI(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180),CD-TI(180)
L2217274-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-05D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-05E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-05F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),AS-TI(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),BA-TI(180),K-6020T(180),AG-TI(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),CR-TI(180),SE-TI(180),PB-TI(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180),CD-TI(180)
L2217274-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-06C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-06D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-06E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

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L2217274-06F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),K-6020T(180),AS-TI(180),BA-TI(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),AG-TI(180),CU-6020T(180),CR-TI(180),PB-6020T(180),PB-TI(180),BE-6020T(180),MN-6020T(180),SE-TI(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-6020T(180),CD-TI(180),CO-6020T(180)
L2217274-07A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-07B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-07C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-07D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-07E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-07F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),AS-TI(180),K-6020T(180),NI-6020T(180),CR-6020T(180),BA-TI(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),AG-TI(180),ZN-6020T(180),PB-6020T(180),CR-TI(180),PB-TI(180),SE-TI(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),CD-TI(180),CO-6020T(180)
L2217274-08A	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-08B	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-08C	Vial HCl preserved	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2217274-08D	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-08E	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2217274-08F	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),BA-TI(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),AS-TI(180),ZN-6020T(180),AG-TI(180),CU-6020T(180),NA-6020T(180),CR-TI(180),PB-6020T(180),PB-TI(180),BE-6020T(180),MN-6020T(180),SE-TI(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-TI(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2254888
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	VONTIER FRMR CHICAGO PNEUMATIC
Project Number:	0631423.02
Report Date:	10/25/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2254888-01	FF-TB (10042022)	WATER	FRANKFORT, NY	10/04/22 10:00	10/04/22
L2254888-02	FF-EB (10042022)	WATER	FRANKFORT, NY	10/04/22 10:10	10/04/22
L2254888-03	FF-MW-18 (10042022)	WATER	FRANKFORT, NY	10/04/22 10:20	10/04/22
L2254888-04	FF-MW-14A (10042022)	WATER	FRANKFORT, NY	10/04/22 12:05	10/04/22
L2254888-05	FF-MW-6R (10042022)	WATER	FRANKFORT, NY	10/04/22 12:20	10/04/22
L2254888-06	FF-MW-17 (10042022)	WATER	FRANKFORT, NY	10/04/22 14:15	10/04/22
L2254888-07	FF-MW-13A (10042022)	WATER	FRANKFORT, NY	10/04/22 15:15	10/04/22
L2254888-08	FF-DUP (10042022)	WATER	FRANKFORT, NY	10/04/22 12:00	10/04/22

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Case Narrative

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

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

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

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

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

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

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

The WG1696117-3/-4 MS/MSD recoveries for calcium (60%/70%), performed on L2254888-04, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 10/25/22

ORGANICS

VOLATILES

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-01
Client ID: FF-TB (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:00
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 11:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-01
Client ID: FF-TB (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:00
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-02
Client ID: FF-EB (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:10
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 10:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-02
Client ID: FF-EB (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:10
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-03
Client ID: FF-MW-18 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 11:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	7.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-03
Client ID: FF-MW-18 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-04
Client ID: FF-MW-14A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:05
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/22 19:04
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.36	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-04
Client ID: FF-MW-14A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:05
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-05
Client ID: FF-MW-6R (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 12:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-05
Client ID: FF-MW-6R (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-06 D
Client ID: FF-MW-17 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 14:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 12:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	420		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-06 D
Client ID: FF-MW-17 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 14:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	270		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-07
Client ID: FF-MW-13A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 15:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/17/22 13:29
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-07
Client ID: FF-MW-13A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 15:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	119		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-08 D
Client ID: FF-DUP (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:00
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/22 12:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	420		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-08 D
Client ID: FF-DUP (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:00
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	260		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

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

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/14/22 08:49
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1700146-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/14/22 08:49
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1700146-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/14/22 08:49
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1700146-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/17/22 08:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1700965-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/17/22 08:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1700965-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/17/22 08:48
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1700965-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	112		70-130

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/22 12:02
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1700991-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/22 12:02
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1700991-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/22 12:02
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1700991-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1700146-3 WG1700146-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	95		95		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	95		98		70-130	3		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	99		97		62-150	2		20
1,2-Dichloroethane	97		100		70-130	3		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	97		96		70-130	1		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
Bromoform	87		88		54-136	1		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	97		99		70-130	2		20
Chloromethane	90		90		64-130	0		20
Bromomethane	43		45		39-139	5		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1700146-3 WG1700146-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	96		95		70-130	1		20
1,2-Dichlorobenzene	93		98		70-130	5		20
1,3-Dichlorobenzene	94		97		70-130	3		20
1,4-Dichlorobenzene	94		97		70-130	3		20
Methyl tert butyl ether	90		94		63-130	4		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	93		89		36-147	4		20
Acetone	78		83		58-148	6		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	79		88		63-138	11		20
4-Methyl-2-pentanone	83		92		59-130	10		20
2-Hexanone	84		91		57-130	8		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	97		98		70-130	1		20
1,2-Dibromo-3-chloropropane	69		79		41-144	14		20
Isopropylbenzene	95		98		70-130	3		20
1,2,3-Trichlorobenzene	67	Q	77		70-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1700146-3 WG1700146-4								
1,2,4-Trichlorobenzene	78		86		70-130	10		20
Methyl Acetate	94		100		70-130	6		20
Cyclohexane	99		100		70-130	1		20
1,4-Dioxane	92		96		56-162	4		20
Freon-113	97		100		70-130	3		20
Methyl cyclohexane	87		90		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1700965-3 WG1700965-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	98		98		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	95		95		62-150	0		20
1,2-Dichloroethane	96		94		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		97		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	98		98		54-136	0		20
1,1,2,2-Tetrachloroethane	95		94		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	94		95		70-130	1		20
Ethylbenzene	92		93		70-130	1		20
Chloromethane	91		92		64-130	1		20
Bromomethane	53		53		39-139	0		20
Vinyl chloride	97		100		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1700965-3 WG1700965-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		97		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	96		93		63-130	3		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	96		91		58-148	5		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	97		87		63-138	11		20
4-Methyl-2-pentanone	82		79		59-130	4		20
2-Hexanone	74		74		57-130	0		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		99		70-130	1		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	92		93		70-130	1		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1700965-3 WG1700965-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	93		90		70-130	3		20
Cyclohexane	91		89		70-130	2		20
1,4-Dioxane	136		136		56-162	0		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	98		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	111		110		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1700991-3 WG1700991-4								
Methylene chloride	92		92		70-130	0		20
1,1-Dichloroethane	95		97		70-130	2		20
Chloroform	95		97		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	93		97		70-130	4		20
Dibromochloromethane	99		99		63-130	0		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	99		98		62-150	1		20
1,2-Dichloroethane	94		98		70-130	4		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	92		95		67-130	3		20
trans-1,3-Dichloropropene	90		94		70-130	4		20
cis-1,3-Dichloropropene	82		82		70-130	0		20
Bromoform	91		91		54-136	0		20
1,1,2,2-Tetrachloroethane	86		89		67-130	3		20
Benzene	93		94		70-130	1		20
Toluene	98		96		70-130	2		20
Ethylbenzene	97		98		70-130	1		20
Chloromethane	92		89		64-130	3		20
Bromomethane	81		86		39-139	6		20
Vinyl chloride	92		94		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2254888

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1700991-3 WG1700991-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	94		95		61-145	1		20
trans-1,2-Dichloroethene	92		94		70-130	2		20
Trichloroethene	98		99		70-130	1		20
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	86		90		63-130	5		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	90		94		70-130	4		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	92		92		36-147	0		20
Acetone	70		69		58-148	1		20
Carbon disulfide	92		94		51-130	2		20
2-Butanone	71		80		63-138	12		20
4-Methyl-2-pentanone	80		83		59-130	4		20
2-Hexanone	82		85		57-130	4		20
Bromochloromethane	89		95		70-130	7		20
1,2-Dibromoethane	94		96		70-130	2		20
1,2-Dibromo-3-chloropropane	85		87		41-144	2		20
Isopropylbenzene	94		95		70-130	1		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1700991-3 WG1700991-4								
1,2,4-Trichlorobenzene	90		92		70-130	2		20
Methyl Acetate	84		84		70-130	0		20
Cyclohexane	94		97		70-130	3		20
1,4-Dioxane	90		88		56-162	2		20
Freon-113	96		96		70-130	0		20
Methyl cyclohexane	95		96		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		99		70-130
Toluene-d8	104		100		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	97		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2254888

Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1700991-6 WG1700991-7 QC Sample: L2254888-04 Client ID: FF-MW-14A (10042022)												
Methylene chloride	ND	10	10	100		9.8	98		70-130	2		20
1,1-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
Chloroform	ND	10	10	100		10	100		70-130	0		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	10	100		9.7	97		63-130	3		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	0.36J	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		10	100		67-130	10		20
Bromodichloromethane	ND	10	9.7	97		9.4	94		67-130	3		20
trans-1,3-Dichloropropene	ND	10	8.8	88		9.0	90		70-130	2		20
cis-1,3-Dichloropropene	ND	10	7.3	73		7.8	78		70-130	7		20
Bromoform	ND	10	8.7	87		9.2	92		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.6	96		67-130	2		20
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	ND	10	9.9	99		10	100		70-130	1		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	10	100		10	100		64-130	0		20
Bromomethane	ND	10	8.5	85		9.1	91		39-139	7		20
Vinyl chloride	ND	10	10	100		10	100		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Project Number: 0631423.02

Lab Number: L2254888

Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1700991-6 WG1700991-7 QC Sample: L2254888-04 Client ID: FF-MW-14A (10042022)												
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.6	96		9.8	98		63-130	2		20
p/m-Xylene	ND	20	22	110		22	110		70-130	0		20
o-Xylene	ND	20	22	110		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.9	99		9.7	97		70-130	2		20
Styrene	ND	20	24	120		23	115		70-130	4		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	ND	10	9.0	90		8.2	82		58-148	9		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	8.6	86		8.4	84		63-138	2		20
4-Methyl-2-pentanone	ND	10	8.6	86		8.5	85		59-130	1		20
2-Hexanone	ND	10	8.9	89		9.2	92		57-130	3		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.6	86		8.6	86		41-144	0		20
Isopropylbenzene	ND	10	9.8	98		9.9	99		70-130	1		20
1,2,3-Trichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1700991-6 WG1700991-7 QC Sample: L2254888-04 Client ID: FF-MW-14A (10042022)												
1,2,4-Trichlorobenzene	ND	10	8.8	88		9.2	92		70-130	4		20
Methyl Acetate	ND	10	9.3	93		8.9	89		70-130	4		20
Cyclohexane	ND	10	10	100		10	100		70-130	0		20
1,4-Dioxane	ND	500	410	82		440	88		56-162	7		20
Freon-113	ND	10	11	110		10	100		70-130	10		20
Methyl cyclohexane	ND	10	9.8J	98		9.6J	96		70-130	2		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		100		70-130
4-Bromofluorobenzene	92		97		70-130
Dibromofluoromethane	100		98		70-130
Toluene-d8	92		99		70-130

PCBS

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-02
Client ID: FF-EB (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:10
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 09:53
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 21:54
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-03
Client ID: FF-MW-18 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 10:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 10:02
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 18:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-04
Client ID: FF-MW-14A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:05
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 10:11
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 18:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-05
Client ID: FF-MW-6R (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:20
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 10:37
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 18:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-06
Client ID: FF-MW-17 (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 14:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 10:46
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 18:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-07
Client ID: FF-MW-13A (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 15:15
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 10:56
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 22:54
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

SAMPLE RESULTS

Lab ID: L2254888-08
Client ID: FF-DUP (10042022)
Sample Location: FRANKFORT, NY

Date Collected: 10/04/22 12:00
Date Received: 10/04/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/24/22 11:04
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 18:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/24/22 09:16
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/23/22 17:50
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-08 Batch: WG1703151-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-08 Batch: WG1703151-2 WG1703151-3									
Aroclor 1016	94		93		40-140	1		50	A
Aroclor 1260	86		86		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		95		30-150	A
Decachlorobiphenyl	84		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		94		30-150	B
Decachlorobiphenyl	104		104		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-08 QC Batch ID: WG1703151-4 WG1703151-5 QC Sample: L2254888-04 Client ID: FF-MW-14A (10042022)													
Aroclor 1016	ND	1.78	1.60	90		1.55	87		40-140	3		50	A
Aroclor 1260	ND	1.78	1.50	84		1.76	99		40-140	16		50	A

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	86		90		30-150	A
Decachlorobiphenyl	97		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		89		30-150	B
Decachlorobiphenyl	104		100		30-150	B

METALS

Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-02

Date Collected: 10/04/22 10:10

Client ID: FF-EB (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00328	J	mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00040	J	mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00025	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Iron, Total	0.0455	J	mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:07	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Potassium, Total	0.0384	J	mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Silver, Total	0.00017	J	mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 18:57	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-03

Date Collected: 10/04/22 10:20

Client ID: FF-MW-18 (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00221		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Barium, Total	0.1455		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Calcium, Total	96.0		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00025	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Copper, Total	0.00044	J	mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Iron, Total	3.73		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Magnesium, Total	16.4		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Manganese, Total	0.2038		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:10	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Potassium, Total	1.86		mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Sodium, Total	5.23		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 19:02	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-04

Date Collected: 10/04/22 12:05

Client ID: FF-MW-14A (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0812		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Antimony, Total	0.00257	J	mg/l	0.00400	0.00042	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00044	J	mg/l	0.00050	0.00016	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Barium, Total	0.04324		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Calcium, Total	137.		mg/l	0.100	0.0394	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Chromium, Total	0.00050	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Copper, Total	0.00354		mg/l	0.00100	0.00038	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Iron, Total	0.114		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Magnesium, Total	11.5		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Manganese, Total	0.01525		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 16:47	EPA 7470A	1,7470A	ZK
Nickel, Total	0.00070	J	mg/l	0.00200	0.00055	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Potassium, Total	1.69		mg/l	0.100	0.0309	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/06/22 11:42	10/10/22 17:00	EPA 3005A	1,6020B	SV
Sodium, Total	1.70		mg/l	0.100	0.0293	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Thallium, Total	0.00029	J	mg/l	0.00100	0.00014	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/07/22 11:12	EPA 3005A	1,6020B	SV



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-05

Date Collected: 10/04/22 12:20

Client ID: FF-MW-6R (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00504	J	mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00757		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Barium, Total	0.3120		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Calcium, Total	90.9		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00026	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00029	J	mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Iron, Total	14.6		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Magnesium, Total	10.2		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Manganese, Total	1.458		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:13	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Potassium, Total	2.98		mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Silver, Total	0.00019	J	mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Sodium, Total	140.		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 19:08	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-06

Date Collected: 10/04/22 14:15

Client ID: FF-MW-17 (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00160		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Barium, Total	0.1173		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Calcium, Total	97.3		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00022	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Copper, Total	0.00057	J	mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Iron, Total	0.207		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Magnesium, Total	19.6		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Manganese, Total	0.00144		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:17	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Potassium, Total	3.07		mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Silver, Total	0.00016	J	mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Sodium, Total	51.5		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 19:13	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-07

Date Collected: 10/04/22 15:15

Client ID: FF-MW-13A (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00203		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Barium, Total	0.3014		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Calcium, Total	74.1		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00020	J	mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Iron, Total	0.759		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Magnesium, Total	20.6		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Manganese, Total	0.1474		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:27	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Potassium, Total	1.74		mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Sodium, Total	4.25		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 19:18	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22**SAMPLE RESULTS**

Lab ID: L2254888-08

Date Collected: 10/04/22 12:00

Client ID: FF-DUP (10042022)

Date Received: 10/04/22

Sample Location: FRANKFORT, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00146		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Barium, Total	0.1146		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Calcium, Total	95.3		mg/l	0.100	0.0394	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Copper, Total	0.00064	J	mg/l	0.00100	0.00038	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Iron, Total	0.196		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Magnesium, Total	19.3		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Manganese, Total	0.00259		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 17:30	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Potassium, Total	2.95		mg/l	0.100	0.0309	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Sodium, Total	50.9		mg/l	0.100	0.0293	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/24/22 19:24	EPA 3005A	1,6020B	WKP



Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-08 Batch: WG1696117-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/06/22 11:42	10/10/22 16:28	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Thallium, Total	0.00019	J	mg/l	0.00100	0.00014	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/06/22 11:42	10/07/22 10:42	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-08 Batch: WG1696122-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/06/22 12:34	10/06/22 16:33	1,7470A	ZK



Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC

Lab Number: L2254888

Project Number: 0631423.02

Report Date: 10/25/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1696117-2								
Aluminum, Total	110		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	112		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	98		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	94		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	107		-		80-120	-		
Copper, Total	105		-		80-120	-		
Iron, Total	109		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	115		-		80-120	-		
Manganese, Total	108		-		80-120	-		
Nickel, Total	104		-		80-120	-		
Potassium, Total	113		-		80-120	-		
Selenium, Total	113		-		80-120	-		
Silver, Total	93		-		80-120	-		
Sodium, Total	113		-		80-120	-		
Thallium, Total	108		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis**Batch Quality Control****Project Name:** VONTIER FRMR CHICAGO PNEUMATIC**Lab Number:** L2254888**Project Number:** 0631423.02**Report Date:** 10/25/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1696117-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02-08 Batch: WG1696122-2					
Mercury, Total	103	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 (10042022) QC Batch ID: WG1696117-3 WG1696117-4 QC Sample: L2254888-04 Client ID: FF-MW-14A												
Aluminum, Total	0.0812	2	2.29	110		2.24	108		75-125	2		20
Antimony, Total	0.00257J	0.5	0.4683	94		0.4315	86		75-125	8		20
Arsenic, Total	0.00044J	0.12	0.1278	106		0.1251	104		75-125	2		20
Barium, Total	0.04324	2	2.059	101		2.036	100		75-125	1		20
Beryllium, Total	ND	0.05	0.04870	97		0.04972	99		75-125	2		20
Cadmium, Total	ND	0.053	0.05533	104		0.05376	101		75-125	3		20
Calcium, Total	137.	10	143	60	Q	144	70	Q	75-125	1		20
Chromium, Total	0.00050J	0.2	0.2036	102		0.2060	103		75-125	1		20
Cobalt, Total	ND	0.5	0.5184	104		0.5110	102		75-125	1		20
Copper, Total	0.00354	0.25	0.2546	100		0.2491	98		75-125	2		20
Iron, Total	0.114	1	1.26	115		1.24	113		75-125	2		20
Lead, Total	ND	0.53	0.5129	97		0.5150	97		75-125	0		20
Magnesium, Total	11.5	10	22.3	108		22.4	109		75-125	0		20
Manganese, Total	0.01525	0.5	0.5450	106		0.5474	106		75-125	0		20
Nickel, Total	0.00070J	0.5	0.4979	100		0.5114	102		75-125	3		20
Potassium, Total	1.69	10	12.5	108		12.6	109		75-125	1		20
Selenium, Total	ND	0.12	0.126	105		0.129	108		75-125	2		20
Silver, Total	ND	0.05	0.04760	95		0.04868	97		75-125	2		20
Sodium, Total	1.70	10	12.5	108		12.4	107		75-125	1		20
Thallium, Total	0.00029J	0.12	0.1244	104		0.1269	106		75-125	2		20
Vanadium, Total	ND	0.5	0.5034	101		0.5078	102		75-125	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 (10042022) QC Batch ID: WG1696117-3 WG1696117-4 QC Sample: L2254888-04 Client ID: FF-MW-14A									
Zinc, Total	ND	0.5	0.4674	93	0.4724	94	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 02-08 (10042022) QC Batch ID: WG1696122-3 WG1696122-4 QC Sample: L2254888-04 Client ID: FF-MW-14A									
Mercury, Total	ND	0.005	0.00494	99	0.00495	99	75-125	0	20

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2254888
Report Date: 10/25/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-08 QC Batch ID: WG1696117-6 QC Sample: L2254888-04 Client ID: FF-MW-14A (10042022)						
Barium, Total	0.04324	0.04178	mg/l	3		20
Calcium, Total	137.	136.	mg/l	1		20
Magnesium, Total	11.5	11.2	mg/l	3		20

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Serial_No:10252213:32
Lab Number: L2254888
Report Date: 10/25/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254888-01A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-01B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-02A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-02B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-02C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-02D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),AS-Ti(180),CR-6020T(180),BA-Ti(180),CA-6020T(180),NI-6020T(180),K-6020T(180),AG-Ti(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),CR-Ti(180),BE-6020T(180),SE-Ti(180),PB-Ti(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),CD-Ti(180),CO-6020T(180)
L2254888-02E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-02F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-03A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-03B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-03C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-03D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),BA-Ti(180),NI-6020T(180),AS-Ti(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),AG-Ti(180),PB-6020T(180),CR-Ti(180),BE-6020T(180),SE-Ti(180),PB-Ti(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180),CD-Ti(180)
L2254888-03E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Serial_No: 10252213:32
Lab Number: L2254888
Report Date: 10/25/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254888-03F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04A1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04A2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04B1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04B2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04C1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04C2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-04D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-TI(180),K-6020T(180),AS-TI(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),AG-TI(180),CU-6020T(180),CR-TI(180),PB-6020T(180),PB-TI(180),BE-6020T(180),SE-TI(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),CD-TI(180),CO-6020T(180)
L2254888-04D1	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-TI(180),K-6020T(180),AS-TI(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),AG-TI(180),CU-6020T(180),CR-TI(180),PB-6020T(180),PB-TI(180),BE-6020T(180),SE-TI(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),CD-TI(180),CO-6020T(180)
L2254888-04D2	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-TI(180),K-6020T(180),AS-TI(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),AG-TI(180),CU-6020T(180),CR-TI(180),PB-6020T(180),PB-TI(180),BE-6020T(180),SE-TI(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),CD-TI(180),CO-6020T(180)

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Serial_No: 10252213:32
Lab Number: L2254888
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254888-04E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04E1	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04E2	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04F1	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-04F2	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-05A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-05B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-05C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-05D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),AS-Ti(180),NI-6020T(180),BA-Ti(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),AG-Ti(180),CR-Ti(180),PB-6020T(180),PB-Ti(180),SE-Ti(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-Ti(180),CO-6020T(180)
L2254888-05E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-05F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-06A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-06B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-06C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-06D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),AS-Ti(180),BA-Ti(180),CA-6020T(180),NI-6020T(180),K-6020T(180),AG-Ti(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),CR-Ti(180),PB-6020T(180),PB-Ti(180),MN-6020T(180),SE-Ti(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180),CD-Ti(180)
L2254888-06E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-06F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2254888-07A	Plastic 250ml HNO3 preserved	A	NA		2.7	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2254888-07B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-07C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-07D	Vial HCl preserved	A	<2	<2	2.7	Y	Absent		AS-TI(180),BA-TI(180),NYTCL-8260-R2(14),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),CD-TI(180)
L2254888-07E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-07F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-08A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-08B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-08C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2254888-08D	Plastic 500ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),AS-TI(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),BA-TI(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),AG-TI(180),CR-TI(180),PB-6020T(180),MN-6020T(180),PB-TI(180),BE-6020T(180),SE-TI(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180),CD-TI(180)
L2254888-08E	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2254888-08F	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)

Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
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Footnotes

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

Terms

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

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

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

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

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

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: VONTIER FRMR CHICAGO PNEUMATIC
Project Number: 0631423.02

Lab Number: L2254888
Report Date: 10/25/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>10/5/22</u>		ALPHA Job # <u>L2254988</u>							
		Project Information Project Name: <u>Ventier - Former Chicago Pneumatic</u> Project Location: <u>Frankfort, NY</u> Project # <u>0631423.02</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQuIS (1 File) ☒ EQuIS (4 File) ☒ Other ASP Cat B, Level IV		Billing Information ☒ Same as Client Info PO # <u>0631423.02</u>									
		Client Information Client: <u>ERM</u> Address: <u>5784 Widenwaters Pkwy</u> <u>Syracuse, NY 13214</u> Phone: <u>315-445-2554</u> Fax: <u>Kevin.wanner@erm.com</u> Email: <u>tim.daniluk@erm.com</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY QP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:									
Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Other project specific requirements/comments: <u>add @erm.com</u> <u>olivia.bottary@erm.com</u> • Please See Site Specific Analyte list • Facility Code = <u>Ventier Frankfort, NY</u> Please specify Metals or TAL		Sample Specific Comments							
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		ANALYSIS 8260C-VOL TCL VAHHS TCL PCBs-NTTL 8082-LVI TOH1 RERA 8 HHS CPA 600B/7470		MS/MSD		Total Boil-off	
549483-01		FF-TB (10042022)		10/4/22 1000		W		OB		X				2	
-02		FF-EB (10042022)		10/10		W		OB		X		X		6	
-03		FF-MW-18 (10042022)		10/20		W		MC		X		X		6	
-04		FF-MW-14A (10042022)		12/05		W		MC		X		X		18	
-05		FF-MW-6R (10042022)		12/20		W		OB		X		X		6	
-06		FF-MW-17 (10042022)		14/15		W		OB		X		X		6	
-07		FF-MW-13A (10042022)		15/15		W		MC		X		X		6	
-08		FF-DUP (10042022)		12/00		W		OB		X		X		6	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		V A P		Preservative		B A C		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By:		Date/Time		Received By:		Date/Time									
B. Lyons		10/4/22 1545		B. Lyons		10/4/22 1605									

APPENDIX G INDOOR AIR AND SUB-SLAB SOIL VAPOR ANALYTICAL DATA



ANALYTICAL REPORT

Lab Number:	L2216946
Client:	ERM, Inc. 5784 Wide Waters Parkway Syracuse, NY 13214
ATTN:	Tim Daniluk
Phone:	(315) 445-2553
Project Name:	VONTIER-FORMER CHICAGO PNEUMAT
Project Number:	0634123.04
Report Date:	04/14/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2216946-01	ODA-03 (03302022)	AIR	FRANKFORT, NY	03/31/22 08:00	03/31/22
L2216946-02	DUP (03302022)	AIR	FRANKFORT, NY	03/31/22 13:27	03/31/22
L2216946-03	SSV-24 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 17:40	03/31/22
L2216946-04	IDA-2R (03302022)	AIR	FRANKFORT, NY	03/31/22 12:13	03/31/22
L2216946-05	SSV-11 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 14:29	03/31/22
L2216946-06	IDA-1 (03302022)	AIR	FRANKFORT, NY	03/31/22 15:56	03/31/22
L2216946-07	SSV-25 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 11:41	03/31/22
L2216946-08	IDA-6 (03302022)	AIR	FRANKFORT, NY	03/31/22 11:40	03/31/22
L2216946-09	SSV-27 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 14:52	03/31/22
L2216946-10	IDA-3R (03302022)	AIR	FRANKFORT, NY	03/31/22 12:39	03/31/22
L2216946-11	SSV-26 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 15:06	03/31/22
L2216946-12	IDA-5R (03302022)	AIR	FRANKFORT, NY	03/31/22 14:55	03/31/22
L2216946-13	SSV-5 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 14:41	03/31/22
L2216946-14	IDA-10R (03302022)	AIR	FRANKFORT, NY	03/31/22 10:44	03/31/22
L2216946-15	SSV-28 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 10:47	03/31/22
L2216946-16	IDA-7R (03302022)	AIR	FRANKFORT, NY	03/31/22 14:46	03/31/22
L2216946-17	SSV-21 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 13:27	03/31/22
L2216946-18	IDA-4R (03302022)	AIR	FRANKFORT, NY	03/31/22 13:36	03/31/22
L2216946-19	SSV-14R (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 16:28	03/31/22
L2216946-20	IDA-9R (03302022)	AIR	FRANKFORT, NY	03/31/22 16:28	03/31/22
L2216946-21	SSV-15 (03302022)	SOIL_VAPOR	FRANKFORT, NY	03/31/22 17:24	03/31/22
L2216946-22	IDA-11R (03302022)	AIR	FRANKFORT, NY	03/31/22 17:24	03/31/22
L2216946-23	IDA-11R-A (03302022)	AIR	FRANKFORT, NY	03/31/22 13:32	03/31/22
L2216946-24	UNUSED CAN #2580	AIR	FRANKFORT, NY		03/31/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2216946-25	UNUSED CAN #2294	AIR	FRANKFORT, NY		03/31/22

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Case Narrative

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

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

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

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

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

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

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 24, 2022. The canister certification results are provided as an addendum.

L2216946-02D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2216946-03 and -09D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2216946-07 and -11D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2216946-07D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2216946-11D2: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2216946-06D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Due to the low pressure in the canister, the sample did not pull the target volume of 250 mL required for a 1X analysis. A dilution factor has been applied as a result of the lower volume analyzed.

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Case Narrative (continued)

The WG1626425-4 Method Blank, associated with L2216946-14, -16, -18, -20, -22, and -23, has concentrations below the reporting limits and "J" qualified.

Sample Receipt

The canister ID number for the sample designated SSV-15 (03302022) (L2216946-21) is listed on the CoC as 2618 but should be 2251.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 04/14/22

AIR

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-01
Client ID: ODA-03 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 08:00
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/11/22 18:00
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	--	2.56	0.989	--		1
Chloromethane	0.620	0.200	--	1.28	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	7.86	5.00	--	14.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.86	1.00	--	6.79	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-01
 Client ID: ODA-03 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 08:00
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-01
 Client ID: ODA-03 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 08:00
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-01
Client ID: ODA-03 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 08:00
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/11/22 18:00
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-02
Client ID: DUP (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/11/22 18:40
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.22	0.200	--	6.03	0.989	--		1
Chloromethane	0.719	0.200	--	1.48	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	1280	5.00	--	2410	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.36	1.00	--	15.1	2.38	--		1
Trichlorofluoromethane	0.739	0.200	--	4.15	1.12	--		1
iso-Propyl Alcohol	8.04	0.500	--	19.8	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	18.0	0.500	--	53.1	1.47	--		1
Ethyl Acetate	3.51	0.500	--	12.6	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-02
 Client ID: DUP (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.37	0.200	--	22.5	0.705	--		1
Benzene	0.331	0.200	--	1.06	0.639	--		1
Cyclohexane	0.371	0.200	--	1.28	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.273	0.200	--	1.28	0.934	--		1
Heptane	1.10	0.200	--	4.51	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	22.5	0.500	--	92.2	2.05	--		1
Xylene (Total)	23.6	0.200	--	103	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.34	0.200	--	8.82	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.47	0.200	--	15.1	0.869	--		1
p/m-Xylene	17.9	0.400	--	77.7	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-02
 Client ID: DUP (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	5.66	0.200	--	24.6	0.869	--		1
4-Ethyltoluene	0.241	0.200	--	1.18	0.983	--		1
1,3,5-Trimethylbenzene	0.230	0.200	--	1.13	0.983	--		1
1,2,4-Trimethylbenzene	1.04	0.200	--	5.11	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-02
Client ID: DUP (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/11/22 18:40
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.079	0.020	--	0.425	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1
1,2-Dichloroethene (total)	0.021	0.020	--	0.083	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-02 D
 Client ID: DUP (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/22 08:01
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Alcohol	1540	50.0	--	2900	94.2	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-03 D
Client ID: SSV-24 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:40
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/12/22 02:06
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.841	--	ND	4.16	--		4.206
Chloromethane	ND	0.841	--	ND	1.74	--		4.206
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.841	--	ND	5.88	--		4.206
Vinyl chloride	ND	0.841	--	ND	2.15	--		4.206
1,3-Butadiene	ND	0.841	--	ND	1.86	--		4.206
Bromomethane	ND	0.841	--	ND	3.27	--		4.206
Chloroethane	ND	0.841	--	ND	2.22	--		4.206
Ethyl Alcohol	ND	21.0	--	ND	39.6	--		4.206
Vinyl bromide	ND	0.841	--	ND	3.68	--		4.206
Acetone	ND	4.21	--	ND	10.0	--		4.206
Trichlorofluoromethane	ND	0.841	--	ND	4.73	--		4.206
iso-Propyl Alcohol	ND	2.10	--	ND	5.16	--		4.206
1,1-Dichloroethene	ND	0.841	--	ND	3.33	--		4.206
tert-Butyl Alcohol	ND	2.10	--	ND	6.37	--		4.206
Methylene chloride	ND	2.10	--	ND	7.30	--		4.206
3-Chloropropene	ND	0.841	--	ND	2.63	--		4.206
Carbon disulfide	ND	0.841	--	ND	2.62	--		4.206
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.841	--	ND	6.45	--		4.206
trans-1,2-Dichloroethene	ND	0.841	--	ND	3.33	--		4.206
1,1-Dichloroethane	ND	0.841	--	ND	3.40	--		4.206
Methyl tert butyl ether	ND	0.841	--	ND	3.03	--		4.206
2-Butanone	ND	2.10	--	ND	6.19	--		4.206
cis-1,2-Dichloroethene	ND	0.841	--	ND	3.33	--		4.206



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-03 D
 Client ID: SSV-24 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:40
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.10	--	ND	7.57	--		4.206
Chloroform	ND	0.841	--	ND	4.11	--		4.206
Tetrahydrofuran	ND	2.10	--	ND	6.19	--		4.206
1,2-Dichloroethane	ND	0.841	--	ND	3.40	--		4.206
n-Hexane	ND	0.841	--	ND	2.96	--		4.206
1,1,1-Trichloroethane	ND	0.841	--	ND	4.59	--		4.206
Benzene	ND	0.841	--	ND	2.69	--		4.206
Carbon tetrachloride	ND	0.841	--	ND	5.29	--		4.206
Cyclohexane	ND	0.841	--	ND	2.89	--		4.206
1,2-Dichloropropane	ND	0.841	--	ND	3.89	--		4.206
Xylene (Total)	ND	0.841	--	ND	3.65	--		4.206
Bromodichloromethane	ND	0.841	--	ND	5.63	--		4.206
1,4-Dioxane	ND	0.841	--	ND	3.03	--		4.206
Trichloroethene	32.8	0.841	--	176	4.52	--		4.206
2,2,4-Trimethylpentane	ND	0.841	--	ND	3.93	--		4.206
Heptane	ND	0.841	--	ND	3.45	--		4.206
cis-1,3-Dichloropropene	ND	0.841	--	ND	3.82	--		4.206
4-Methyl-2-pentanone	ND	2.10	--	ND	8.61	--		4.206
trans-1,3-Dichloropropene	ND	0.841	--	ND	3.82	--		4.206
1,1,2-Trichloroethane	ND	0.841	--	ND	4.59	--		4.206
Toluene	ND	0.841	--	ND	3.17	--		4.206
1,2-Dichloroethene (total)	ND	0.841	--	ND	3.33	--		4.206
2-Hexanone	ND	0.841	--	ND	3.45	--		4.206
1,3-Dichloropropene, Total	ND	0.841	--	ND	3.82	--		4.206
Dibromochloromethane	ND	0.841	--	ND	7.16	--		4.206
1,2-Dibromoethane	ND	0.841	--	ND	6.46	--		4.206



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-03 D
Client ID: SSV-24 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:40
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	1.04	0.841	--	7.05	5.70	--		4.206
Chlorobenzene	ND	0.841	--	ND	3.87	--		4.206
Ethylbenzene	ND	0.841	--	ND	3.65	--		4.206
p/m-Xylene	ND	1.68	--	ND	7.30	--		4.206
Bromoform	ND	0.841	--	ND	8.70	--		4.206
Styrene	ND	0.841	--	ND	3.58	--		4.206
1,1,2,2-Tetrachloroethane	ND	0.841	--	ND	5.78	--		4.206
o-Xylene	ND	0.841	--	ND	3.65	--		4.206
4-Ethyltoluene	ND	0.841	--	ND	4.13	--		4.206
1,3,5-Trimethylbenzene	ND	0.841	--	ND	4.13	--		4.206
1,2,4-Trimethylbenzene	ND	0.841	--	ND	4.13	--		4.206
Benzyl chloride	ND	0.841	--	ND	4.35	--		4.206
1,3-Dichlorobenzene	ND	0.841	--	ND	5.06	--		4.206
1,4-Dichlorobenzene	ND	0.841	--	ND	5.06	--		4.206
1,2-Dichlorobenzene	ND	0.841	--	ND	5.06	--		4.206
1,2,4-Trichlorobenzene	ND	0.841	--	ND	6.24	--		4.206
Hexachlorobutadiene	ND	0.841	--	ND	8.97	--		4.206

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-04
Client ID: IDA-2R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:13
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/11/22 19:21
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.505	0.200	--	2.50	0.989	--		1
Chloromethane	0.641	0.200	--	1.32	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	35.7	5.00	--	67.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.1	1.00	--	38.2	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
iso-Propyl Alcohol	0.989	0.500	--	2.43	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.294	0.200	--	1.17	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.922	0.500	--	2.72	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22**SAMPLE RESULTS**

Lab ID: L2216946-04
 Client ID: IDA-2R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:13
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.200	0.200	--	0.705	0.705	--		1
Benzene	1.11	0.200	--	3.55	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.96	0.200	--	12.1	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.70	0.200	--	6.41	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
1,2-Dichloroethene (total)	0.294	0.200	--	1.17	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-04
 Client ID: IDA-2R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:13
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-04
Client ID: IDA-2R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:13
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/11/22 19:21
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.289	0.020	--	1.15	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	0.818	0.020	--	4.40	0.107	--		1
Tetrachloroethene	0.076	0.020	--	0.515	0.136	--		1
1,2-Dichloroethene (total)	0.289	0.020	--	1.15	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-05
Client ID: SSV-11 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:29
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/12/22 02:48
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.548	0.200	--	2.71	0.989	--		1
Chloromethane	0.632	0.200	--	1.31	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	242	5.00	--	456	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.28	1.00	--	10.2	2.38	--		1
Trichlorofluoromethane	1.20	0.200	--	6.74	1.12	--		1
iso-Propyl Alcohol	10.6	0.500	--	26.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-05
 Client ID: SSV-11 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:29
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.244	0.200	--	0.860	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.528	0.200	--	1.69	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylene (Total)	1.20	0.200	--	5.21	0.869	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.829	0.200	--	3.40	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.44	0.200	--	28.0	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-05
 Client ID: SSV-11 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:29
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.302	0.200	--	1.31	0.869	--		1
p/m-Xylene	0.847	0.400	--	3.68	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.357	0.200	--	1.55	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	98		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-06 D
 Client ID: IDA-1 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:56
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/11/22 20:01
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.690	--	ND	3.41	--		3.448
Chloromethane	0.700	0.690	--	1.45	1.42	--		3.448
Freon-114	ND	0.172	--	ND	1.20	--		3.448
Vinyl chloride	ND	0.069	--	ND	0.176	--		3.448
1,3-Butadiene	0.103	0.069	--	0.228	0.153	--		3.448
Bromomethane	ND	0.069	--	ND	0.268	--		3.448
Chloroethane	ND	0.345	--	ND	0.910	--		3.448
Ethanol	203	17.2	--	383	32.4	--		3.448
Vinyl bromide	ND	0.690	--	ND	3.02	--		3.448
Acetone	4.94	3.45	--	11.7	8.20	--		3.448
Trichlorofluoromethane	0.834	0.172	--	4.69	0.967	--		3.448
Isopropanol	9.76	1.72	--	24.0	4.23	--		3.448
1,1-Dichloroethene	ND	0.069	--	ND	0.274	--		3.448
Tertiary butyl Alcohol	ND	1.72	--	ND	5.21	--		3.448
Methylene chloride	ND	1.72	--	ND	5.98	--		3.448
3-Chloropropene	ND	0.690	--	ND	2.16	--		3.448
Carbon disulfide	ND	0.690	--	ND	2.15	--		3.448
Freon-113	0.179	0.172	--	1.37	1.32	--		3.448
trans-1,2-Dichloroethene	ND	0.069	--	ND	0.274	--		3.448
1,1-Dichloroethane	ND	0.069	--	ND	0.279	--		3.448
Methyl tert butyl ether	ND	0.690	--	ND	2.49	--		3.448
2-Butanone	ND	1.72	--	ND	5.07	--		3.448
cis-1,2-Dichloroethene	ND	0.069	--	ND	0.274	--		3.448



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-06 D
 Client ID: IDA-1 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:56
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Ethyl Acetate	ND	1.72	--	ND	6.20	--		3.448
Chloroform	ND	0.069	--	ND	0.337	--		3.448
Tetrahydrofuran	ND	1.72	--	ND	5.07	--		3.448
1,2-Dichloroethane	ND	0.069	--	ND	0.279	--		3.448
n-Hexane	ND	0.690	--	ND	2.43	--		3.448
1,1,1-Trichloroethane	ND	0.069	--	ND	0.376	--		3.448
Benzene	0.583	0.345	--	1.86	1.10	--		3.448
Carbon tetrachloride	0.083	0.069	--	0.521	0.434	--		3.448
Cyclohexane	ND	0.690	--	ND	2.38	--		3.448
1,2-Dichloropropane	ND	0.069	--	ND	0.319	--		3.448
Bromodichloromethane	ND	0.069	--	ND	0.462	--		3.448
1,4-Dioxane	ND	0.345	--	ND	1.24	--		3.448
Trichloroethene	0.110	0.069	--	0.591	0.371	--		3.448
2,2,4-Trimethylpentane	ND	0.690	--	ND	3.22	--		3.448
Heptane	0.910	0.690	--	3.73	2.83	--		3.448
cis-1,3-Dichloropropene	ND	0.069	--	ND	0.313	--		3.448
4-Methyl-2-pentanone	ND	1.72	--	ND	7.05	--		3.448
trans-1,3-Dichloropropene	ND	0.069	--	ND	0.313	--		3.448
1,1,2-Trichloroethane	ND	0.069	--	ND	0.376	--		3.448
Toluene	7.10	0.345	--	26.8	1.30	--		3.448
2-Hexanone	ND	0.690	--	ND	2.83	--		3.448
Dibromochloromethane	ND	0.069	--	ND	0.588	--		3.448
1,2-Dibromoethane	ND	0.069	--	ND	0.530	--		3.448
Tetrachloroethene	ND	0.069	--	ND	0.468	--		3.448
Chlorobenzene	ND	0.345	--	ND	1.59	--		3.448
Ethylbenzene	0.307	0.069	--	1.33	0.300	--		3.448



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-06 D
 Client ID: IDA-1 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:56
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p/m-Xylene	0.838	0.138	--	3.64	0.599	--		3.448
Bromoform	ND	0.069	--	ND	0.713	--		3.448
Styrene	0.083	0.069	--	0.353	0.294	--		3.448
1,1,2,2-Tetrachloroethane	ND	0.069	--	ND	0.474	--		3.448
o-Xylene	0.352	0.069	--	1.53	0.300	--		3.448
4-Ethyltoluene	ND	0.069	--	ND	0.339	--		3.448
1,3,5-Trimethybenzene	ND	0.069	--	ND	0.339	--		3.448
1,2,4-Trimethylbenzene	0.110	0.069	--	0.541	0.339	--		3.448
Benzyl chloride	ND	0.345	--	ND	1.79	--		3.448
1,3-Dichlorobenzene	ND	0.069	--	ND	0.415	--		3.448
1,4-Dichlorobenzene	ND	0.069	--	ND	0.415	--		3.448
1,2-Dichlorobenzene	ND	0.069	--	ND	0.415	--		3.448
1,2,4-Trichlorobenzene	ND	0.172	--	ND	1.28	--		3.448
Hexachlorobutadiene	ND	0.172	--	ND	1.83	--		3.448

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-07 D
Client ID: SSV-25 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:41
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/12/22 04:06
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.312	--	2.50	1.54	--		1.563
Chloromethane	ND	0.312	--	ND	0.644	--		1.563
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.312	--	ND	2.18	--		1.563
Vinyl chloride	3.84	0.312	--	9.82	0.798	--		1.563
1,3-Butadiene	ND	0.312	--	ND	0.690	--		1.563
Bromomethane	ND	0.312	--	ND	1.21	--		1.563
Chloroethane	ND	0.312	--	ND	0.823	--		1.563
Ethyl Alcohol	ND	7.81	--	ND	14.7	--		1.563
Vinyl bromide	ND	0.312	--	ND	1.36	--		1.563
Acetone	ND	1.56	--	ND	3.71	--		1.563
Trichlorofluoromethane	1.68	0.312	--	9.44	1.75	--		1.563
iso-Propyl Alcohol	ND	0.781	--	ND	1.92	--		1.563
1,1-Dichloroethene	13.1	0.312	--	51.9	1.24	--		1.563
tert-Butyl Alcohol	ND	0.781	--	ND	2.37	--		1.563
Methylene chloride	ND	0.781	--	ND	2.71	--		1.563
3-Chloropropene	ND	0.312	--	ND	0.977	--		1.563
Carbon disulfide	ND	0.312	--	ND	0.972	--		1.563
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.312	--	ND	2.39	--		1.563
trans-1,2-Dichloroethene	449	0.312	--	1780	1.24	--	E	1.563
1,1-Dichloroethane	ND	0.312	--	ND	1.26	--		1.563
Methyl tert butyl ether	ND	0.312	--	ND	1.12	--		1.563
2-Butanone	ND	0.781	--	ND	2.30	--		1.563
cis-1,2-Dichloroethene	708	0.312	--	2810	1.24	--	E	1.563



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-07 D
 Client ID: SSV-25 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:41
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.781	--	ND	2.81	--		1.563
Chloroform	0.879	0.312	--	4.29	1.52	--		1.563
Tetrahydrofuran	ND	0.781	--	ND	2.30	--		1.563
1,2-Dichloroethane	ND	0.312	--	ND	1.26	--		1.563
n-Hexane	0.615	0.312	--	2.17	1.10	--		1.563
1,1,1-Trichloroethane	ND	0.312	--	ND	1.70	--		1.563
Benzene	0.722	0.312	--	2.31	0.997	--		1.563
Carbon tetrachloride	ND	0.312	--	ND	1.96	--		1.563
Cyclohexane	1.43	0.312	--	4.92	1.07	--		1.563
1,2-Dichloropropane	ND	0.312	--	ND	1.44	--		1.563
Xylene (Total)	7.64	0.312	--	33.2	1.36	--		1.563
Bromodichloromethane	ND	0.312	--	ND	2.09	--		1.563
1,4-Dioxane	ND	0.312	--	ND	1.12	--		1.563
Trichloroethene	3970	0.312	--	21300	1.68	--	E	1.563
2,2,4-Trimethylpentane	ND	0.312	--	ND	1.46	--		1.563
Heptane	ND	0.312	--	ND	1.28	--		1.563
cis-1,3-Dichloropropene	ND	0.312	--	ND	1.42	--		1.563
4-Methyl-2-pentanone	ND	0.781	--	ND	3.20	--		1.563
trans-1,3-Dichloropropene	ND	0.312	--	ND	1.42	--		1.563
1,1,2-Trichloroethane	0.858	0.312	--	4.68	1.70	--		1.563
Toluene	1.46	0.312	--	5.50	1.18	--		1.563
1,2-Dichloroethene (total)	1160	0.312	--	4600	1.24	--		1.563
2-Hexanone	ND	0.312	--	ND	1.28	--		1.563
Dibromochloromethane	ND	0.312	--	ND	2.66	--		1.563
1,3-Dichloropropene, Total	ND	0.312	--	ND	1.42	--		1.563
1,2-Dibromoethane	ND	0.312	--	ND	2.40	--		1.563



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-07 D
Client ID: SSV-25 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:41
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	21.7	0.312	--	147	2.12	--		1.563
Chlorobenzene	ND	0.312	--	ND	1.44	--		1.563
Ethylbenzene	1.11	0.312	--	4.82	1.36	--		1.563
p/m-Xylene	5.34	0.625	--	23.2	2.71	--		1.563
Bromoform	ND	0.312	--	ND	3.23	--		1.563
Styrene	ND	0.312	--	ND	1.33	--		1.563
1,1,2,2-Tetrachloroethane	ND	0.312	--	ND	2.14	--		1.563
o-Xylene	2.30	0.312	--	9.99	1.36	--		1.563
4-Ethyltoluene	0.523	0.312	--	2.57	1.53	--		1.563
1,3,5-Trimethylbenzene	0.597	0.312	--	2.93	1.53	--		1.563
1,2,4-Trimethylbenzene	2.57	0.312	--	12.6	1.53	--		1.563
Benzyl chloride	ND	0.312	--	ND	1.62	--		1.563
1,3-Dichlorobenzene	ND	0.312	--	ND	1.88	--		1.563
1,4-Dichlorobenzene	ND	0.312	--	ND	1.88	--		1.563
1,2-Dichlorobenzene	ND	0.312	--	ND	1.88	--		1.563
1,2,4-Trichlorobenzene	ND	0.312	--	ND	2.32	--		1.563
Hexachlorobutadiene	ND	0.312	--	ND	3.33	--		1.563

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-07 D2
 Client ID: SSV-25 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:41
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 04:23
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
trans-1,2-Dichloroethene	565	208	--	2240	825	--		1042
cis-1,2-Dichloroethene	1100	208	--	4360	825	--		1042
Trichloroethene	52200	208	--	281000	1120	--		1042
1,2-Dichloroethene (total)	1670	208	--	6620	825	--		1042

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-08
 Client ID: IDA-6 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:40
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/11/22 20:42
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.530	0.200	--	2.62	0.989	--		1
Chloromethane	0.652	0.200	--	1.35	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	34.4	5.00	--	64.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.03	1.00	--	21.5	2.38	--		1
Trichlorofluoromethane	1.40	0.200	--	7.87	1.12	--		1
iso-Propyl Alcohol	2.56	0.500	--	6.29	1.23	--		1
tert-Butyl Alcohol	0.988	0.500	--	3.00	1.52	--		1
Methylene chloride	0.620	0.500	--	2.15	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.326	0.200	--	1.02	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.19	0.500	--	3.51	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-08
 Client ID: IDA-6 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:40
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.51	0.200	--	5.32	0.705	--		1
Benzene	0.682	0.200	--	2.18	0.639	--		1
Cyclohexane	0.478	0.200	--	1.65	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	2.63	0.200	--	12.3	0.934	--		1
Heptane	1.01	0.200	--	4.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.04	0.500	--	16.6	2.05	--		1
Xylene (Total)	14.0	0.200	--	60.8	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.68	0.200	--	21.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.39	0.200	--	10.4	0.869	--		1
p/m-Xylene	10.2	0.400	--	44.3	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.203	0.200	--	0.864	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-08
 Client ID: IDA-6 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:40
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	3.85	0.200	--	16.7	0.869	--		1
4-Ethyltoluene	0.612	0.200	--	3.01	0.983	--		1
1,3,5-Trimethylbenzene	0.640	0.200	--	3.15	0.983	--		1
1,2,4-Trimethylbenzene	3.14	0.200	--	15.4	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-08
Client ID: IDA-6 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 11:40
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/11/22 20:42
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	0.139	0.020	--	0.747	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-09 D
Client ID: SSV-27 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:52
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 03:28
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.550	0.227	--	2.72	1.12	--		1.136
Chloromethane	ND	0.227	--	ND	0.469	--		1.136
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.227	--	ND	1.59	--		1.136
Vinyl chloride	ND	0.227	--	ND	0.580	--		1.136
1,3-Butadiene	ND	0.227	--	ND	0.502	--		1.136
Bromomethane	ND	0.227	--	ND	0.881	--		1.136
Chloroethane	ND	0.227	--	ND	0.599	--		1.136
Ethyl Alcohol	7.13	5.68	--	13.4	10.7	--		1.136
Vinyl bromide	ND	0.227	--	ND	0.992	--		1.136
Acetone	1.63	1.14	--	3.87	2.71	--		1.136
Trichlorofluoromethane	1.38	0.227	--	7.76	1.28	--		1.136
iso-Propyl Alcohol	ND	0.568	--	ND	1.40	--		1.136
1,1-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
tert-Butyl Alcohol	ND	0.568	--	ND	1.72	--		1.136
Methylene chloride	1.05	0.568	--	3.65	1.97	--		1.136
3-Chloropropene	ND	0.227	--	ND	0.711	--		1.136
Carbon disulfide	ND	0.227	--	ND	0.707	--		1.136
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.227	--	ND	1.74	--		1.136
trans-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136
1,1-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
Methyl tert butyl ether	ND	0.227	--	ND	0.818	--		1.136
2-Butanone	ND	0.568	--	ND	1.68	--		1.136
cis-1,2-Dichloroethene	ND	0.227	--	ND	0.900	--		1.136



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-09 D
 Client ID: SSV-27 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:52
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.568	--	ND	2.05	--		1.136
Chloroform	ND	0.227	--	ND	1.11	--		1.136
Tetrahydrofuran	ND	0.568	--	ND	1.68	--		1.136
1,2-Dichloroethane	ND	0.227	--	ND	0.919	--		1.136
n-Hexane	0.512	0.227	--	1.80	0.800	--		1.136
1,1,1-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Benzene	ND	0.227	--	ND	0.725	--		1.136
Carbon tetrachloride	ND	0.227	--	ND	1.43	--		1.136
Cyclohexane	ND	0.227	--	ND	0.781	--		1.136
1,2-Dichloropropane	ND	0.227	--	ND	1.05	--		1.136
Xylene (Total)	ND	0.227	--	ND	0.986	--		1.136
Bromodichloromethane	ND	0.227	--	ND	1.52	--		1.136
1,4-Dioxane	ND	0.227	--	ND	0.818	--		1.136
Trichloroethene	ND	0.227	--	ND	1.22	--		1.136
2,2,4-Trimethylpentane	ND	0.227	--	ND	1.06	--		1.136
Heptane	ND	0.227	--	ND	0.930	--		1.136
cis-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
4-Methyl-2-pentanone	ND	0.568	--	ND	2.33	--		1.136
trans-1,3-Dichloropropene	ND	0.227	--	ND	1.03	--		1.136
1,1,2-Trichloroethane	ND	0.227	--	ND	1.24	--		1.136
Toluene	0.280	0.227	--	1.06	0.855	--		1.136
1,2-Dichloroethene (total)	ND	0.227	--	ND	0.900	--		1.136
2-Hexanone	ND	0.227	--	ND	0.930	--		1.136
Dibromochloromethane	ND	0.227	--	ND	1.93	--		1.136
1,3-Dichloropropene, Total	ND	0.227	--	ND	1.03	--		1.136
1,2-Dibromoethane	ND	0.227	--	ND	1.74	--		1.136



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-09 D
 Client ID: SSV-27 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:52
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.227	--	ND	1.54	--		1.136
Chlorobenzene	ND	0.227	--	ND	1.05	--		1.136
Ethylbenzene	ND	0.227	--	ND	0.986	--		1.136
p/m-Xylene	ND	0.454	--	ND	1.97	--		1.136
Bromoform	ND	0.227	--	ND	2.35	--		1.136
Styrene	ND	0.227	--	ND	0.966	--		1.136
1,1,2,2-Tetrachloroethane	ND	0.227	--	ND	1.56	--		1.136
o-Xylene	ND	0.227	--	ND	0.986	--		1.136
4-Ethyltoluene	ND	0.227	--	ND	1.12	--		1.136
1,3,5-Trimethylbenzene	ND	0.227	--	ND	1.12	--		1.136
1,2,4-Trimethylbenzene	ND	0.227	--	ND	1.12	--		1.136
Benzyl chloride	ND	0.227	--	ND	1.18	--		1.136
1,3-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,4-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2-Dichlorobenzene	ND	0.227	--	ND	1.36	--		1.136
1,2,4-Trichlorobenzene	ND	0.227	--	ND	1.69	--		1.136
Hexachlorobutadiene	ND	0.227	--	ND	2.42	--		1.136

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-10
Client ID: IDA-3R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:39
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/11/22 21:22
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.200	--	2.63	0.989	--		1
Chloromethane	0.685	0.200	--	1.41	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	36.4	5.00	--	68.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.1	1.00	--	33.5	2.38	--		1
Trichlorofluoromethane	1.92	0.200	--	10.8	1.12	--		1
iso-Propyl Alcohol	3.66	0.500	--	9.00	1.23	--		1
tert-Butyl Alcohol	1.67	0.500	--	5.06	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.503	0.200	--	1.57	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.38	0.500	--	4.07	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-10
 Client ID: IDA-3R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:39
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.81	0.200	--	6.38	0.705	--		1
Benzene	0.603	0.200	--	1.93	0.639	--		1
Cyclohexane	0.520	0.200	--	1.79	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	2.00	0.200	--	9.34	0.934	--		1
Heptane	1.26	0.200	--	5.16	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	15.4	0.200	--	66.9	0.869	--		1
4-Methyl-2-pentanone	4.59	0.500	--	18.8	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.70	0.200	--	21.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.66	0.200	--	11.6	0.869	--		1
p/m-Xylene	11.0	0.400	--	47.8	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.239	0.200	--	1.02	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-10
 Client ID: IDA-3R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:39
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	4.36	0.200	--	18.9	0.869	--		1
4-Ethyltoluene	0.647	0.200	--	3.18	0.983	--		1
1,3,5-Trimethylbenzene	0.629	0.200	--	3.09	0.983	--		1
1,2,4-Trimethylbenzene	3.09	0.200	--	15.2	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-10
 Client ID: IDA-3R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 12:39
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/11/22 21:22
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.129	0.020	--	0.693	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-11 D
Client ID: SSV-26 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:06
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/12/22 04:47
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.258	--	2.41	1.28	--		1.291
Chloromethane	ND	0.258	--	ND	0.533	--		1.291
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.258	--	ND	1.80	--		1.291
Vinyl chloride	0.279	0.258	--	0.713	0.660	--		1.291
1,3-Butadiene	ND	0.258	--	ND	0.571	--		1.291
Bromomethane	ND	0.258	--	ND	1.00	--		1.291
Chloroethane	ND	0.258	--	ND	0.681	--		1.291
Ethyl Alcohol	ND	6.46	--	ND	12.2	--		1.291
Vinyl bromide	ND	0.258	--	ND	1.13	--		1.291
Acetone	1.85	1.29	--	4.39	3.06	--		1.291
Trichlorofluoromethane	1.42	0.258	--	7.98	1.45	--		1.291
iso-Propyl Alcohol	ND	0.646	--	ND	1.59	--		1.291
1,1-Dichloroethene	ND	0.258	--	ND	1.02	--		1.291
tert-Butyl Alcohol	ND	0.646	--	ND	1.96	--		1.291
Methylene chloride	ND	0.646	--	ND	2.24	--		1.291
3-Chloropropene	ND	0.258	--	ND	0.808	--		1.291
Carbon disulfide	ND	0.258	--	ND	0.803	--		1.291
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.258	--	ND	1.98	--		1.291
trans-1,2-Dichloroethene	65.7	0.258	--	260	1.02	--		1.291
1,1-Dichloroethane	ND	0.258	--	ND	1.04	--		1.291
Methyl tert butyl ether	ND	0.258	--	ND	0.930	--		1.291
2-Butanone	ND	0.646	--	ND	1.91	--		1.291
cis-1,2-Dichloroethene	471	0.258	--	1870	1.02	--	E	1.291



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-11 D
 Client ID: SSV-26 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:06
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.646	--	ND	2.33	--		1.291
Chloroform	0.290	0.258	--	1.42	1.26	--		1.291
Tetrahydrofuran	ND	0.646	--	ND	1.91	--		1.291
1,2-Dichloroethane	ND	0.258	--	ND	1.04	--		1.291
n-Hexane	ND	0.258	--	ND	0.909	--		1.291
1,1,1-Trichloroethane	ND	0.258	--	ND	1.41	--		1.291
Benzene	0.463	0.258	--	1.48	0.824	--		1.291
Carbon tetrachloride	ND	0.258	--	ND	1.62	--		1.291
Cyclohexane	0.891	0.258	--	3.07	0.888	--		1.291
1,2-Dichloropropane	ND	0.258	--	ND	1.19	--		1.291
Bromodichloromethane	ND	0.258	--	ND	1.73	--		1.291
Xylene (Total)	2.67	0.258	--	11.6	1.12	--		1.291
1,4-Dioxane	ND	0.258	--	ND	0.930	--		1.291
Trichloroethene	40.6	0.258	--	218	1.39	--		1.291
2,2,4-Trimethylpentane	ND	0.258	--	ND	1.21	--		1.291
Heptane	ND	0.258	--	ND	1.06	--		1.291
cis-1,3-Dichloropropene	ND	0.258	--	ND	1.17	--		1.291
4-Methyl-2-pentanone	ND	0.646	--	ND	2.65	--		1.291
trans-1,3-Dichloropropene	ND	0.258	--	ND	1.17	--		1.291
1,1,2-Trichloroethane	ND	0.258	--	ND	1.41	--		1.291
Toluene	0.364	0.258	--	1.37	0.972	--		1.291
1,2-Dichloroethene (total)	537	0.258	--	2130	1.02	--		1.291
2-Hexanone	ND	0.258	--	ND	1.06	--		1.291
Dibromochloromethane	ND	0.258	--	ND	2.20	--		1.291
1,3-Dichloropropene, Total	ND	0.258	--	ND	1.17	--		1.291
1,2-Dibromoethane	ND	0.258	--	ND	1.98	--		1.291



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-11 D
 Client ID: SSV-26 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:06
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	3.26	0.258	--	22.1	1.75	--		1.291
Chlorobenzene	ND	0.258	--	ND	1.19	--		1.291
Ethylbenzene	0.740	0.258	--	3.21	1.12	--		1.291
p/m-Xylene	0.940	0.516	--	4.08	2.24	--		1.291
Bromoform	ND	0.258	--	ND	2.67	--		1.291
Styrene	ND	0.258	--	ND	1.10	--		1.291
1,1,2,2-Tetrachloroethane	ND	0.258	--	ND	1.77	--		1.291
o-Xylene	1.73	0.258	--	7.51	1.12	--		1.291
4-Ethyltoluene	0.502	0.258	--	2.47	1.27	--		1.291
1,3,5-Trimethylbenzene	0.531	0.258	--	2.61	1.27	--		1.291
1,2,4-Trimethylbenzene	0.363	0.258	--	1.78	1.27	--		1.291
Benzyl chloride	ND	0.258	--	ND	1.34	--		1.291
1,3-Dichlorobenzene	ND	0.258	--	ND	1.55	--		1.291
1,4-Dichlorobenzene	ND	0.258	--	ND	1.55	--		1.291
1,2-Dichlorobenzene	ND	0.258	--	ND	1.55	--		1.291
1,2,4-Trichlorobenzene	ND	0.258	--	ND	1.92	--		1.291
Hexachlorobutadiene	ND	0.258	--	ND	2.75	--		1.291

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	100		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-11 D2
 Client ID: SSV-26 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 15:06
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/12/22 08:38
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	862	2.58	--	3420	10.2	--		12.91
1,2-Dichloroethene (total)	862	2.58	--	3420	10.2	--		12.91

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-12
 Client ID: IDA-5R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:55
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/11/22 22:45
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.528	0.200	--	2.61	0.989	--		1
Chloromethane	0.681	0.200	--	1.41	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	30.3	5.00	--	57.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.1	1.00	--	24.0	2.38	--		1
Trichlorofluoromethane	1.63	0.200	--	9.16	1.12	--		1
iso-Propyl Alcohol	2.92	0.500	--	7.18	1.23	--		1
tert-Butyl Alcohol	1.91	0.500	--	5.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.430	0.200	--	1.34	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.16	0.500	--	3.42	1.47	--		1
Ethyl Acetate	0.541	0.500	--	1.95	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-12
 Client ID: IDA-5R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:55
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.42	0.200	--	5.00	0.705	--		1
Benzene	0.600	0.200	--	1.92	0.639	--		1
Cyclohexane	0.532	0.200	--	1.83	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	2.01	0.200	--	9.39	0.934	--		1
Heptane	1.04	0.200	--	4.26	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	14.5	0.200	--	63.0	0.869	--		1
4-Methyl-2-pentanone	4.27	0.500	--	17.5	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.56	0.200	--	21.0	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.53	0.200	--	11.0	0.869	--		1
p/m-Xylene	10.5	0.400	--	45.6	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	0.240	0.200	--	1.02	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-12
 Client ID: IDA-5R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:55
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	3.98	0.200	--	17.3	0.869	--		1
4-Ethyltoluene	0.615	0.200	--	3.02	0.983	--		1
1,3,5-Trimethylbenzene	0.676	0.200	--	3.32	0.983	--		1
1,2,4-Trimethylbenzene	3.28	0.200	--	16.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-12
Client ID: IDA-5R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:55
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/11/22 22:45
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	0.136	0.020	--	0.731	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-13 D
Client ID: SSV-5 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:41
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/13/22 04:40
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.505	0.208	--	2.50	1.03	--		1.042
Chloromethane	0.262	0.208	--	0.541	0.430	--		1.042
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.208	--	ND	1.45	--		1.042
Vinyl chloride	ND	0.208	--	ND	0.532	--		1.042
1,3-Butadiene	ND	0.208	--	ND	0.460	--		1.042
Bromomethane	ND	0.208	--	ND	0.808	--		1.042
Chloroethane	ND	0.208	--	ND	0.549	--		1.042
Ethyl Alcohol	ND	5.21	--	ND	9.82	--		1.042
Vinyl bromide	ND	0.208	--	ND	0.909	--		1.042
Acetone	3.98	1.04	--	9.45	2.47	--		1.042
Trichlorofluoromethane	5.55	0.208	--	31.2	1.17	--		1.042
iso-Propyl Alcohol	ND	0.521	--	ND	1.28	--		1.042
1,1-Dichloroethene	ND	0.208	--	ND	0.825	--		1.042
tert-Butyl Alcohol	ND	0.521	--	ND	1.58	--		1.042
Methylene chloride	0.621	0.521	--	2.16	1.81	--		1.042
3-Chloropropene	ND	0.208	--	ND	0.651	--		1.042
Carbon disulfide	0.294	0.208	--	0.916	0.648	--		1.042
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.208	--	ND	1.59	--		1.042
trans-1,2-Dichloroethene	ND	0.208	--	ND	0.825	--		1.042
1,1-Dichloroethane	ND	0.208	--	ND	0.842	--		1.042
Methyl tert butyl ether	ND	0.208	--	ND	0.750	--		1.042
2-Butanone	0.703	0.521	--	2.07	1.54	--		1.042
cis-1,2-Dichloroethene	ND	0.208	--	ND	0.825	--		1.042



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-13 D
 Client ID: SSV-5 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:41
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.521	--	ND	1.88	--		1.042
Chloroform	0.465	0.208	--	2.27	1.02	--		1.042
Tetrahydrofuran	0.651	0.521	--	1.92	1.54	--		1.042
1,2-Dichloroethane	ND	0.208	--	ND	0.842	--		1.042
n-Hexane	0.551	0.208	--	1.94	0.733	--		1.042
1,1,1-Trichloroethane	ND	0.208	--	ND	1.13	--		1.042
Benzene	ND	0.208	--	ND	0.664	--		1.042
Carbon tetrachloride	ND	0.208	--	ND	1.31	--		1.042
Cyclohexane	ND	0.208	--	ND	0.716	--		1.042
1,2-Dichloropropane	ND	0.208	--	ND	0.961	--		1.042
Xylene (Total)	2.08	0.208	--	9.03	0.903	--		1.042
Bromodichloromethane	ND	0.208	--	ND	1.39	--		1.042
1,4-Dioxane	ND	0.208	--	ND	0.750	--		1.042
Trichloroethene	0.340	0.208	--	1.83	1.12	--		1.042
2,2,4-Trimethylpentane	ND	0.208	--	ND	0.972	--		1.042
Heptane	ND	0.208	--	ND	0.852	--		1.042
cis-1,3-Dichloropropene	ND	0.208	--	ND	0.944	--		1.042
4-Methyl-2-pentanone	ND	0.521	--	ND	2.14	--		1.042
trans-1,3-Dichloropropene	ND	0.208	--	ND	0.944	--		1.042
1,1,2-Trichloroethane	ND	0.208	--	ND	1.13	--		1.042
Toluene	0.372	0.208	--	1.40	0.784	--		1.042
1,2-Dichloroethene (total)	ND	0.208	--	ND	0.825	--		1.042
2-Hexanone	ND	0.208	--	ND	0.852	--		1.042
Dibromochloromethane	ND	0.208	--	ND	1.77	--		1.042
1,3-Dichloropropene, Total	ND	0.208	--	ND	0.944	--		1.042
1,2-Dibromoethane	ND	0.208	--	ND	1.60	--		1.042



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-13 D
Client ID: SSV-5 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:41
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	0.521	0.208	--	3.53	1.41	--		1.042
Chlorobenzene	ND	0.208	--	ND	0.958	--		1.042
Ethylbenzene	0.331	0.208	--	1.44	0.903	--		1.042
p/m-Xylene	1.36	0.417	--	5.91	1.81	--		1.042
Bromoform	ND	0.208	--	ND	2.15	--		1.042
Styrene	ND	0.208	--	ND	0.886	--		1.042
1,1,2,2-Tetrachloroethane	ND	0.208	--	ND	1.43	--		1.042
o-Xylene	0.721	0.208	--	3.13	0.903	--		1.042
4-Ethyltoluene	ND	0.208	--	ND	1.02	--		1.042
1,3,5-Trimethylbenzene	ND	0.208	--	ND	1.02	--		1.042
1,2,4-Trimethylbenzene	0.425	0.208	--	2.09	1.02	--		1.042
Benzyl chloride	ND	0.208	--	ND	1.08	--		1.042
1,3-Dichlorobenzene	ND	0.208	--	ND	1.25	--		1.042
1,4-Dichlorobenzene	ND	0.208	--	ND	1.25	--		1.042
1,2-Dichlorobenzene	ND	0.208	--	ND	1.25	--		1.042
1,2,4-Trichlorobenzene	ND	0.208	--	ND	1.54	--		1.042
Hexachlorobutadiene	ND	0.208	--	ND	2.22	--		1.042

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	98		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-14
Client ID: IDA-10R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:44
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 23:26
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.563	0.200	--	2.78	0.989	--		1
Chloromethane	0.812	0.200	--	1.68	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	70.8	5.00	--	133	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.6	1.00	--	34.7	2.38	--		1
Trichlorofluoromethane	12.5	0.200	--	70.2	1.12	--		1
iso-Propyl Alcohol	9.85	0.500	--	24.2	1.23	--		1
tert-Butyl Alcohol	3.51	0.500	--	10.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.20	0.200	--	3.74	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.64	0.500	--	4.84	1.47	--		1
Ethyl Acetate	0.766	0.500	--	2.76	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-14
 Client ID: IDA-10R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:44
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.80	0.200	--	6.34	0.705	--		1
Benzene	0.461	0.200	--	1.47	0.639	--		1
Cyclohexane	0.284	0.200	--	0.978	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.30	0.200	--	6.07	0.934	--		1
Heptane	4.82	0.200	--	19.8	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	8.46	0.200	--	36.7	0.869	--		1
4-Methyl-2-pentanone	2.41	0.500	--	9.88	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	10.9	0.200	--	41.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.59	0.200	--	6.91	0.869	--		1
p/m-Xylene	6.01	0.400	--	26.1	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-14
 Client ID: IDA-10R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:44
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	2.45	0.200	--	10.6	0.869	--		1
4-Ethyltoluene	0.301	0.200	--	1.48	0.983	--		1
1,3,5-Trimethylbenzene	0.271	0.200	--	1.33	0.983	--		1
1,2,4-Trimethylbenzene	1.23	0.200	--	6.05	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-14
 Client ID: IDA-10R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:44
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/22 23:26
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.034	0.020	--	0.135	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.118	0.020	--	0.634	0.107	--		1
Tetrachloroethene	0.062	0.020	--	0.420	0.136	--		1
1,2-Dichloroethene (total)	0.034	0.020	--	0.135	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-15
Client ID: SSV-28 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:47
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/13/22 05:19
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.483	0.200	--	2.39	0.989	--		1
Chloromethane	0.300	0.200	--	0.620	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	28.3	5.00	--	53.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.06	1.00	--	14.4	2.38	--		1
Trichlorofluoromethane	10.3	0.200	--	57.9	1.12	--		1
iso-Propyl Alcohol	3.14	0.500	--	7.72	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	1.54	0.500	--	4.67	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.402	0.200	--	1.25	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.686	0.500	--	2.02	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22**SAMPLE RESULTS**

Lab ID: L2216946-15
 Client ID: SSV-28 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:47
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.628	0.200	--	2.21	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.637	0.200	--	2.19	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylene (Total)	2.99	0.200	--	13.0	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.620	0.200	--	2.90	0.934	--		1
Heptane	1.49	0.200	--	6.11	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.724	0.500	--	2.97	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.78	0.200	--	14.2	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-15
 Client ID: SSV-28 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 10:47
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.576	0.200	--	2.50	0.869	--		1
p/m-Xylene	2.06	0.400	--	8.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.926	0.200	--	4.02	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.428	0.200	--	2.10	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	100		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-16
Client ID: IDA-7R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:46
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 20:09
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.553	0.200	--	2.73	0.989	--		1
Chloromethane	0.792	0.200	--	1.64	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	81.2	5.00	--	153	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.0	1.00	--	38.0	2.38	--		1
Trichlorofluoromethane	14.2	0.200	--	79.8	1.12	--		1
iso-Propyl Alcohol	10.1	0.500	--	24.8	1.23	--		1
tert-Butyl Alcohol	3.52	0.500	--	10.7	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.30	0.200	--	4.05	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.70	0.500	--	5.01	1.47	--		1
Ethyl Acetate	0.931	0.500	--	3.36	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-16
 Client ID: IDA-7R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:46
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.90	0.200	--	6.70	0.705	--		1
Benzene	0.457	0.200	--	1.46	0.639	--		1
Cyclohexane	0.293	0.200	--	1.01	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	1.12	0.200	--	5.23	0.934	--		1
Heptane	5.15	0.200	--	21.1	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	8.77	0.200	--	38.1	0.869	--		1
4-Methyl-2-pentanone	2.59	0.500	--	10.6	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	11.0	0.200	--	41.5	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.66	0.200	--	7.21	0.869	--		1
p/m-Xylene	6.25	0.400	--	27.1	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-16
 Client ID: IDA-7R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:46
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	2.52	0.200	--	10.9	0.869	--		1
4-Ethyltoluene	0.232	0.200	--	1.14	0.983	--		1
1,3,5-Trimethylbenzene	0.261	0.200	--	1.28	0.983	--		1
1,2,4-Trimethylbenzene	1.26	0.200	--	6.19	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	95		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-16
 Client ID: IDA-7R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 14:46
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/22 20:09
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.026	0.020	--	0.103	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	0.118	0.020	--	0.634	0.107	--		1
Tetrachloroethene	0.078	0.020	--	0.529	0.136	--		1
1,2-Dichloroethene (total)	0.026	0.020	--	0.103	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-17
Client ID: SSV-21 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/13/22 05:59
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.04	0.200	--	5.14	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	54.6	5.00	--	103	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.41	1.00	--	3.35	2.38	--		1
Trichlorofluoromethane	0.699	0.200	--	3.93	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.06	0.500	--	3.68	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	6.28	0.200	--	24.9	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.807	0.500	--	2.38	1.47	--		1
cis-1,2-Dichloroethene	82.9	0.200	--	329	0.793	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-17
 Client ID: SSV-21 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.04	0.200	--	5.08	0.977	--		1
Tetrahydrofuran	1.10	0.500	--	3.24	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.295	0.200	--	1.04	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylene (Total)	5.68	0.200	--	24.7	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	182	0.200	--	978	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.52	0.500	--	6.23	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.285	0.200	--	1.07	0.754	--		1
1,2-Dichloroethene (total)	89.2	0.200	--	354	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-17
Client ID: SSV-21 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.589	0.200	--	2.56	0.869	--		1
p/m-Xylene	3.51	0.400	--	15.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.17	0.200	--	9.43	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.689	0.200	--	3.39	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-17 D
 Client ID: SSV-21 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:27
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 10:28
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	202	0.667	--	1090	3.58	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	97		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-18
Client ID: IDA-4R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:36
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 20:49
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.24	0.200	--	6.13	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	1200	5.00	--	2260	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.3	1.00	--	26.8	2.38	--		1
Trichlorofluoromethane	0.834	0.200	--	4.69	1.12	--		1
iso-Propyl Alcohol	9.58	0.500	--	23.5	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	23.6	0.500	--	69.6	1.47	--		1
Ethyl Acetate	4.19	0.500	--	15.1	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.543	0.500	--	1.60	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-18
 Client ID: IDA-4R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:36
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.10	0.200	--	25.0	0.705	--		1
Benzene	0.344	0.200	--	1.10	0.639	--		1
Cyclohexane	0.428	0.200	--	1.47	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.342	0.200	--	1.60	0.934	--		1
Heptane	1.28	0.200	--	5.25	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	28.2	0.500	--	116	2.05	--		1
Xylene (Total)	29.7	0.200	--	129	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.03	0.200	--	11.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.54	0.200	--	19.7	0.869	--		1
p/m-Xylene	22.6	0.400	--	98.2	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-18
 Client ID: IDA-4R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:36
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	7.11	0.200	--	30.9	0.869	--		1
4-Ethyltoluene	0.293	0.200	--	1.44	0.983	--		1
1,3,5-Trimethylbenzene	0.233	0.200	--	1.15	0.983	--		1
1,2,4-Trimethylbenzene	1.08	0.200	--	5.31	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-18
Client ID: IDA-4R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:36
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/12/22 20:49
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	0.095	0.020	--	0.511	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1
1,2-Dichloroethene (total)	0.021	0.020	--	0.083	0.079	--		1

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-18 D
 Client ID: IDA-4R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:36
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 07:54
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Alcohol	1600	20.8	--	3010	39.2	--		4.167

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	93		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-19
Client ID: SSV-14R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/13/22 06:38
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.563	0.200	--	2.78	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	13.7	5.00	--	25.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.89	1.00	--	6.87	2.38	--		1
Trichlorofluoromethane	0.697	0.200	--	3.92	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.946	0.500	--	3.29	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-19
 Client ID: SSV-14R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.209	0.200	--	0.737	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.379	0.200	--	1.30	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylene (Total)	0.936	0.200	--	4.07	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.623	0.500	--	2.55	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.250	0.200	--	0.942	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-19
Client ID: SSV-14R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.632	0.400	--	2.75	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.304	0.200	--	1.32	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	99		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-20
Client ID: IDA-9R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 21:28
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.766	0.200	--	3.79	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	1190	5.00	--	2240	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.6	1.00	--	25.2	2.38	--		1
Trichlorofluoromethane	0.951	0.200	--	5.34	1.12	--		1
iso-Propyl Alcohol	12.6	0.500	--	31.0	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	29.0	0.500	--	85.5	1.47	--		1
Ethyl Acetate	3.77	0.500	--	13.6	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.729	0.500	--	2.15	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-20
 Client ID: IDA-9R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	6.10	0.200	--	21.5	0.705	--		1
Benzene	0.323	0.200	--	1.03	0.639	--		1
Cyclohexane	0.337	0.200	--	1.16	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.339	0.200	--	1.58	0.934	--		1
Heptane	0.962	0.200	--	3.94	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	45.5	0.200	--	198	0.869	--		1
4-Methyl-2-pentanone	31.7	0.500	--	130	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.20	0.200	--	12.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	7.02	0.200	--	30.5	0.869	--		1
p/m-Xylene	34.9	0.400	--	152	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-20
 Client ID: IDA-9R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	10.6	0.200	--	46.0	0.869	--		1
4-Ethyltoluene	0.287	0.200	--	1.41	0.983	--		1
1,3,5-Trimethylbenzene	0.232	0.200	--	1.14	0.983	--		1
1,2,4-Trimethylbenzene	0.955	0.200	--	4.69	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-20
 Client ID: IDA-9R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/22 21:28
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	0.082	0.020	--	0.441	0.107	--		1
Tetrachloroethene	0.080	0.020	--	0.542	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-20 D
 Client ID: IDA-9R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 16:28
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 08:38
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Alcohol	1510	50.0	--	2850	94.2	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	91		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-21 D
Client ID: SSV-15 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 48,TO-15
Analytical Date: 04/13/22 07:17
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.58	0.339	--	7.81	1.68	--		1.695
Chloromethane	ND	0.339	--	ND	0.700	--		1.695
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.339	--	ND	2.37	--		1.695
Vinyl chloride	ND	0.339	--	ND	0.867	--		1.695
1,3-Butadiene	ND	0.339	--	ND	0.750	--		1.695
Bromomethane	ND	0.339	--	ND	1.32	--		1.695
Chloroethane	ND	0.339	--	ND	0.895	--		1.695
Ethyl Alcohol	34.8	8.48	--	65.6	16.0	--		1.695
Vinyl bromide	ND	0.339	--	ND	1.48	--		1.695
Acetone	ND	1.70	--	ND	4.04	--		1.695
Trichlorofluoromethane	1.00	0.339	--	5.62	1.91	--		1.695
iso-Propyl Alcohol	ND	0.848	--	ND	2.08	--		1.695
1,1-Dichloroethene	0.625	0.339	--	2.48	1.34	--		1.695
tert-Butyl Alcohol	ND	0.848	--	ND	2.57	--		1.695
Methylene chloride	ND	0.848	--	ND	2.95	--		1.695
3-Chloropropene	ND	0.339	--	ND	1.06	--		1.695
Carbon disulfide	0.373	0.339	--	1.16	1.06	--		1.695
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.339	--	ND	2.60	--		1.695
trans-1,2-Dichloroethene	12.5	0.339	--	49.6	1.34	--		1.695
1,1-Dichloroethane	ND	0.339	--	ND	1.37	--		1.695
Methyl tert butyl ether	ND	0.339	--	ND	1.22	--		1.695
2-Butanone	ND	0.848	--	ND	2.50	--		1.695
cis-1,2-Dichloroethene	327	0.339	--	1300	1.34	--	E	1.695



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-21 D
 Client ID: SSV-15 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.848	--	ND	3.06	--		1.695
Chloroform	4.01	0.339	--	19.6	1.66	--		1.695
Tetrahydrofuran	ND	0.848	--	ND	2.50	--		1.695
1,2-Dichloroethane	ND	0.339	--	ND	1.37	--		1.695
n-Hexane	0.410	0.339	--	1.44	1.19	--		1.695
1,1,1-Trichloroethane	ND	0.339	--	ND	1.85	--		1.695
Benzene	0.402	0.339	--	1.28	1.08	--		1.695
Carbon tetrachloride	ND	0.339	--	ND	2.13	--		1.695
Cyclohexane	0.417	0.339	--	1.44	1.17	--		1.695
1,2-Dichloropropane	ND	0.339	--	ND	1.57	--		1.695
Xylene (Total)	2.74	0.339	--	11.9	1.47	--		1.695
Bromodichloromethane	ND	0.339	--	ND	2.27	--		1.695
1,4-Dioxane	ND	0.339	--	ND	1.22	--		1.695
Trichloroethene	1160	0.339	--	6230	1.82	--	E	1.695
2,2,4-Trimethylpentane	ND	0.339	--	ND	1.58	--		1.695
Heptane	0.956	0.339	--	3.92	1.39	--		1.695
cis-1,3-Dichloropropene	ND	0.339	--	ND	1.54	--		1.695
4-Methyl-2-pentanone	ND	0.848	--	ND	3.48	--		1.695
trans-1,3-Dichloropropene	ND	0.339	--	ND	1.54	--		1.695
1,1,2-Trichloroethane	1.00	0.339	--	5.46	1.85	--		1.695
Toluene	1.27	0.339	--	4.79	1.28	--		1.695
1,2-Dichloroethene (total)	340	0.339	--	1350	1.34	--		1.695
2-Hexanone	ND	0.339	--	ND	1.39	--		1.695
Dibromochloromethane	ND	0.339	--	ND	2.89	--		1.695
1,3-Dichloropropene, Total	ND	0.339	--	ND	1.54	--		1.695
1,2-Dibromoethane	ND	0.339	--	ND	2.61	--		1.695



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-21 D
Client ID: SSV-15 (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	0.402	0.339	--	2.73	2.30	--		1.695
Chlorobenzene	ND	0.339	--	ND	1.56	--		1.695
Ethylbenzene	0.530	0.339	--	2.30	1.47	--		1.695
p/m-Xylene	1.92	0.678	--	8.34	2.94	--		1.695
Bromoform	ND	0.339	--	ND	3.51	--		1.695
Styrene	ND	0.339	--	ND	1.44	--		1.695
1,1,2,2-Tetrachloroethane	ND	0.339	--	ND	2.33	--		1.695
o-Xylene	0.819	0.339	--	3.56	1.47	--		1.695
4-Ethyltoluene	ND	0.339	--	ND	1.67	--		1.695
1,3,5-Trimethylbenzene	ND	0.339	--	ND	1.67	--		1.695
1,2,4-Trimethylbenzene	ND	0.339	--	ND	1.67	--		1.695
Benzyl chloride	ND	0.339	--	ND	1.76	--		1.695
1,3-Dichlorobenzene	ND	0.339	--	ND	2.04	--		1.695
1,4-Dichlorobenzene	ND	0.339	--	ND	2.04	--		1.695
1,2-Dichlorobenzene	ND	0.339	--	ND	2.04	--		1.695
1,2,4-Trichlorobenzene	ND	0.339	--	ND	2.52	--		1.695
Hexachlorobutadiene	ND	0.339	--	ND	3.62	--		1.695

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-21 D2
 Client ID: SSV-15 (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 11:05
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	271	5.65	--	1070	22.4	--		28.25
Trichloroethene	2260	5.65	--	12100	30.4	--		28.25
1,2-Dichloroethene (total)	271	5.65	--	1070	22.4	--		28.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	86		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-22
Client ID: IDA-11R (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 22:08
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.43	0.200	--	7.07	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	0.253	0.200	--	0.560	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	1870	5.00	--	3520	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.66	1.00	--	20.6	2.38	--		1
Trichlorofluoromethane	0.953	0.200	--	5.36	1.12	--		1
iso-Propyl Alcohol	6.06	0.500	--	14.9	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	114	0.500	--	336	1.47	--	E	1
Ethyl Acetate	7.70	0.500	--	27.7	1.80	--		1
Chloroform	0.258	0.200	--	1.26	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-22
 Client ID: IDA-11R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.496	0.200	--	1.75	0.705	--		1
Benzene	0.420	0.200	--	1.34	0.639	--		1
Cyclohexane	0.301	0.200	--	1.04	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.36	0.200	--	5.57	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylene (Total)	1.38	0.200	--	5.99	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.02	0.200	--	18.9	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.264	0.200	--	1.15	0.869	--		1
p/m-Xylene	1.00	0.400	--	4.34	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-22
 Client ID: IDA-11R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	0.375	0.200	--	1.63	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.279	0.200	--	1.37	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-22
 Client ID: IDA-11R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/12/22 22:08
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.044	0.020	--	0.174	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	0.132	0.020	--	0.709	0.107	--		1
Tetrachloroethene	0.033	0.020	--	0.224	0.136	--		1
1,2-Dichloroethene (total)	0.044	0.020	--	0.174	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-22 D
 Client ID: IDA-11R (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 17:24
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 09:15
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Alcohol	3040	83.4	--	5730	157	--		16.67
2-Butanone	94.2	8.34	--	278	24.6	--		16.67

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-23
Client ID: IDA-11R-A (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:32
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/12/22 22:47
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.53	0.200	--	7.57	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	2380	5.00	--	4480	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.6	1.00	--	25.2	2.38	--		1
Trichlorofluoromethane	1.06	0.200	--	5.96	1.12	--		1
iso-Propyl Alcohol	6.22	0.500	--	15.3	1.23	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	44.9	0.500	--	132	1.47	--		1
Ethyl Acetate	9.08	0.500	--	32.7	1.80	--		1
Chloroform	0.295	0.200	--	1.44	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-23
 Client ID: IDA-11R-A (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:32
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.479	0.200	--	1.69	0.705	--		1
Benzene	0.408	0.200	--	1.30	0.639	--		1
Cyclohexane	0.404	0.200	--	1.39	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.55	0.200	--	6.35	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylene (Total)	1.61	0.200	--	6.99	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.19	0.200	--	15.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.300	0.200	--	1.30	0.869	--		1
p/m-Xylene	1.19	0.400	--	5.17	1.74	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-23
 Client ID: IDA-11R-A (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:32
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	0.425	0.200	--	1.85	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.279	0.200	--	1.37	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-23
Client ID: IDA-11R-A (03302022)
Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:32
Date Received: 03/31/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/12/22 22:47
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.041	0.020	--	0.163	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	0.132	0.020	--	0.709	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1
1,2-Dichloroethene (total)	0.041	0.020	--	0.163	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

SAMPLE RESULTS

Lab ID: L2216946-23 D
 Client ID: IDA-11R-A (03302022)
 Sample Location: FRANKFORT, NY

Date Collected: 03/31/22 13:32
 Date Received: 03/31/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/13/22 09:52
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Alcohol	4010	125	--	7560	236	--		25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	83		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/22 15:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07-12 Batch: WG1625930-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/22 15:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07-12 Batch: WG1625930-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/22 15:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07-12 Batch: WG1625930-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/22 15:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07-12 Batch: WG1625930-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/22 15:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05,07-12 Batch: WG1625930-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/11/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/11/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/11/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-4								
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/11/22 16:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-4								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 15:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 13-23 Batch: WG1626424-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 15:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 13-23 Batch: WG1626424-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 15:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 13-23 Batch: WG1626424-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 15:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 13-23 Batch: WG1626424-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 15:37

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 13-23 Batch: WG1626424-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/22 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 14,16,18,20,22-23 Batch: WG1626425-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/22 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 14,16,18,20,22-23 Batch: WG1626425-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/22 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 14,16,18,20,22-23 Batch: WG1626425-4								
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 04/12/22 16:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 14,16,18,20,22-23 Batch: WG1626425-4								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 16:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07 Batch: WG1626436-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 16:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07 Batch: WG1626436-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 16:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07 Batch: WG1626436-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 16:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07 Batch: WG1626436-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/12/22 16:11

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 07 Batch: WG1626436-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 Batch: WG1625930-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	78		-		70-130	-		
Propane	82		-		70-130	-		
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	97		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	110		-		70-130	-		
Butane	70		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	87		-		70-130	-		
Ethyl Alcohol	97		-		40-160	-		
Dichlorofluoromethane	89		-		70-130	-		
Vinyl bromide	82		-		70-130	-		
Acrolein	94		-		60-113	-		
Acetone	71		-		40-160	-		
Acetonitrile	65	Q	-		70-130	-		
Trichlorofluoromethane	87		-		70-130	-		
iso-Propyl Alcohol	88		-		40-160	-		
Acrylonitrile	100		-		70-130	-		
Pentane	78		-		70-130	-		
Ethyl ether	67	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 Batch: WG1625930-3								
1,1-Dichloroethene	87		-		70-130	-		
tert-Butyl Alcohol	83		-		70-130	-		
Methylene chloride	103		-		70-130	-		
3-Chloropropene	82		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	81		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
1,1-Dichloroethane	81		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
Vinyl acetate	62	Q	-		70-130	-		
2-Butanone	80		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		
Ethyl Acetate	84		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	79		-		70-130	-		
2,2-Dichloropropane	86		-		70-130	-		
1,2-Dichloroethane	83		-		70-130	-		
n-Hexane	103		-		70-130	-		
Isopropyl Ether	95		-		70-130	-		
Ethyl-Tert-Butyl-Ether	90		-		70-130	-		
1,2-Dichloroethene (total)	84		-			-		
1,2-Dichloroethene (total)	84		-			-		
1,1,1-Trichloroethane	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 Batch: WG1625930-3								
1,1-Dichloropropene	97		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	105		-		70-130	-		
Tertiary-Amyl Methyl Ether	89		-		70-130	-		
Dibromomethane	85		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	108		-		70-130	-		
1,4-Dioxane	95		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	103		-		70-130	-		
Methyl Methacrylate	89		-		40-160	-		
Heptane	97		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	97		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	89		-		70-130	-		
Toluene	87		-		70-130	-		
1,3-Dichloropropane	93		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		
Butyl Acetate	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 Batch: WG1625930-3								
Octane	95		-		70-130	-		
Tetrachloroethene	101		-		70-130	-		
1,1,1,2-Tetrachloroethane	89		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	98		-		70-130	-		
1,2,3-Trichloropropane	98		-		70-130	-		
Nonane (C9)	93		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	101		-		70-130	-		
o-Chlorotoluene	96		-		70-130	-		
n-Propylbenzene	102		-		70-130	-		
p-Chlorotoluene	97		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
tert-Butylbenzene	103		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Decane (C10)	102		-		70-130	-		
Benzyl chloride	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 Batch: WG1625930-3								
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	100		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
n-Butylbenzene	98		-		70-130	-		
1,2-Dibromo-3-chloropropane	96		-		70-130	-		
Undecane	106		-		70-130	-		
Dodecane (C12)	104		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Naphthalene	100		-		70-130	-		
1,2,3-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	111		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-3								
Propylene	77		-		70-130	-		25
Dichlorodifluoromethane	88		-		70-130	-		25
Chloromethane	93		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		25
Vinyl chloride	99		-		70-130	-		25
1,3-Butadiene	124		-		70-130	-		25
Bromomethane	92		-		70-130	-		25
Chloroethane	84		-		70-130	-		25
Ethyl Alcohol	85		-		40-160	-		25
Vinyl bromide	79		-		70-130	-		25
Acrolein	76		-		60-113	-		25
Acetone	70		-		40-160	-		25
Trichlorofluoromethane	73		-		70-130	-		25
iso-Propyl Alcohol	90		-		40-160	-		25
Acrylonitrile	100		-		70-130	-		25
1,1-Dichloroethene	89		-		70-130	-		25
tert-Butyl Alcohol ¹	80		-		70-130	-		25
Methylene chloride	101		-		70-130	-		25
3-Chloropropene	81		-		70-130	-		25
Carbon disulfide	83		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	78		-		70-130	-		25
trans-1,2-Dichloroethene	83		-		70-130	-		25
1,1-Dichloroethane	84		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-3								
Methyl tert butyl ether	87		-		70-130	-		25
Vinyl acetate	62	Q	-		70-130	-		25
2-Butanone	83		-		70-130	-		25
cis-1,2-Dichloroethene	88		-		70-130	-		25
Ethyl Acetate	83		-		70-130	-		25
Chloroform	100		-		70-130	-		25
Tetrahydrofuran	77		-		70-130	-		25
1,2-Dichloroethane	80		-		70-130	-		25
n-Hexane	100		-		70-130	-		25
1,1,1-Trichloroethane	85		-		70-130	-		25
Benzene	88		-		70-130	-		25
Carbon tetrachloride	102		-		70-130	-		25
Cyclohexane	103		-		70-130	-		25
Dibromomethane ¹	78		-		70-130	-		25
1,2-Dichloropropane	93		-		70-130	-		25
Bromodichloromethane	110		-		70-130	-		25
1,4-Dioxane	91		-		70-130	-		25
Trichloroethene	104		-		70-130	-		25
2,2,4-Trimethylpentane	101		-		70-130	-		25
cis-1,3-Dichloropropene	100		-		70-130	-		25
4-Methyl-2-pentanone	98		-		70-130	-		25
trans-1,3-Dichloropropene	110		-		70-130	-		25
1,1,2-Trichloroethane	91		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-3								
Toluene	72		-		70-130	-		25
2-Hexanone	99		-		70-130	-		25
Dibromochloromethane	109		-		70-130	-		25
1,2-Dibromoethane	101		-		70-130	-		25
Tetrachloroethene	100		-		70-130	-		25
1,1,1,2-Tetrachloroethane	92		-		70-130	-		25
Chlorobenzene	107		-		70-130	-		25
Ethylbenzene	90		-		70-130	-		25
p/m-Xylene	93		-		70-130	-		25
Bromoform	98		-		70-130	-		25
Styrene	101		-		70-130	-		25
1,1,2,2-Tetrachloroethane	106		-		70-130	-		25
o-Xylene	95		-		70-130	-		25
1,2,3-Trichloropropane ¹	101		-		70-130	-		25
Isopropylbenzene	93		-		70-130	-		25
Bromobenzene ¹	97		-		70-130	-		25
4-Ethyltoluene	103		-		70-130	-		25
1,3,5-Trimethylbenzene	109		-		70-130	-		25
1,2,4-Trimethylbenzene	111		-		70-130	-		25
Benzyl chloride	76		-		70-130	-		25
1,3-Dichlorobenzene	109		-		70-130	-		25
1,4-Dichlorobenzene	108		-		70-130	-		25
sec-Butylbenzene	93		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08,10,12 Batch: WG1625931-3								
p-Isopropyltoluene	97		-		70-130	-		25
1,2-Dichlorobenzene	107		-		70-130	-		25
n-Butylbenzene	87		-		70-130	-		25
1,2-Dibromo-3-chloropropane	100		-		70-130	-		25
1,2,4-Trichlorobenzene	89		-		70-130	-		25
Naphthalene	97		-		70-130	-		25
1,2,3-Trichlorobenzene	91		-		70-130	-		25
Hexachlorobutadiene	110		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 13-23 Batch: WG1626424-3								
Chlorodifluoromethane	100		-		70-130	-		
Propylene	107		-		70-130	-		
Propane	93		-		70-130	-		
Dichlorodifluoromethane	104		-		70-130	-		
Chloromethane	124		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	115		-		70-130	-		
Methanol	87		-		70-130	-		
Vinyl chloride	108		-		70-130	-		
1,3-Butadiene	120		-		70-130	-		
Butane	105		-		70-130	-		
Bromomethane	117		-		70-130	-		
Chloroethane	105		-		70-130	-		
Ethyl Alcohol	93		-		40-160	-		
Dichlorofluoromethane	98		-		70-130	-		
Vinyl bromide	110		-		70-130	-		
Acrolein	72		-		60-113	-		
Acetone	112		-		40-160	-		
Acetonitrile	75		-		70-130	-		
Trichlorofluoromethane	113		-		70-130	-		
iso-Propyl Alcohol	111		-		40-160	-		
Acrylonitrile	70		-		70-130	-		
Pentane	108		-		70-130	-		
Ethyl ether	82		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 13-23 Batch: WG1626424-3								
1,1-Dichloroethene	108		-		70-130	-		
tert-Butyl Alcohol	95		-		70-130	-		
Methylene chloride	126		-		70-130	-		
3-Chloropropene	119		-		70-130	-		
Carbon disulfide	108		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	117		-		70-130	-		
trans-1,2-Dichloroethene	108		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	99		-		70-130	-		
Vinyl acetate	108		-		70-130	-		
2-Butanone	117		-		70-130	-		
cis-1,2-Dichloroethene	106		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	110		-		70-130	-		
2,2-Dichloropropane	93		-		70-130	-		
1,2-Dichloroethane	105		-		70-130	-		
n-Hexane	108		-		70-130	-		
Isopropyl Ether	105		-		70-130	-		
Ethyl-Tert-Butyl-Ether	102		-		70-130	-		
1,2-Dichloroethene (total)	107		-			-		
1,2-Dichloroethene (total)	107		-			-		
1,1,1-Trichloroethane	117		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 13-23 Batch: WG1626424-3								
1,1-Dichloropropene	108		-		70-130	-		
Benzene	105		-		70-130	-		
Carbon tetrachloride	109		-		70-130	-		
Cyclohexane	106		-		70-130	-		
Tertiary-Amyl Methyl Ether	107		-		70-130	-		
Dibromomethane	120		-		70-130	-		
1,2-Dichloropropane	120		-		70-130	-		
Bromodichloromethane	117		-		70-130	-		
1,4-Dioxane	114		-		70-130	-		
Trichloroethene	119		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Methyl Methacrylate	122		-		40-160	-		
Heptane	124		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	130		-		70-130	-		
trans-1,3-Dichloropropene	103		-		70-130	-		
1,1,2-Trichloroethane	129		-		70-130	-		
Toluene	111		-		70-130	-		
1,3-Dichloropropane	108		-		70-130	-		
2-Hexanone	122		-		70-130	-		
Dibromochloromethane	122		-		70-130	-		
1,2-Dibromoethane	121		-		70-130	-		
Butyl Acetate	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 13-23 Batch: WG1626424-3								
Octane	108		-		70-130	-		
Tetrachloroethene	114		-		70-130	-		
1,1,1,2-Tetrachloroethane	108		-		70-130	-		
Chlorobenzene	115		-		70-130	-		
Ethylbenzene	118		-		70-130	-		
p/m-Xylene	119		-		70-130	-		
Bromoform	114		-		70-130	-		
Styrene	117		-		70-130	-		
1,1,2,2-Tetrachloroethane	121		-		70-130	-		
o-Xylene	120		-		70-130	-		
1,2,3-Trichloropropane	109		-		70-130	-		
Nonane (C9)	118		-		70-130	-		
Isopropylbenzene	110		-		70-130	-		
Bromobenzene	107		-		70-130	-		
o-Chlorotoluene	107		-		70-130	-		
n-Propylbenzene	108		-		70-130	-		
p-Chlorotoluene	110		-		70-130	-		
4-Ethyltoluene	113		-		70-130	-		
1,3,5-Trimethylbenzene	116		-		70-130	-		
tert-Butylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	122		-		70-130	-		
Decane (C10)	108		-		70-130	-		
Benzyl chloride	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Project Number: 0634123.04

Lab Number: L2216946

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 13-23 Batch: WG1626424-3								
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
sec-Butylbenzene	111		-		70-130	-		
p-Isopropyltoluene	99		-		70-130	-		
1,2-Dichlorobenzene	114		-		70-130	-		
n-Butylbenzene	115		-		70-130	-		
1,2-Dibromo-3-chloropropane	108		-		70-130	-		
Undecane	109		-		70-130	-		
Dodecane (C12)	98		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Naphthalene	92		-		70-130	-		
1,2,3-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 14,16,18,20,22-23 Batch: WG1626425-3								
Propylene	109		-		70-130	-		25
Dichlorodifluoromethane	101		-		70-130	-		25
Chloromethane	116		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	103		-		70-130	-		25
Vinyl chloride	100		-		70-130	-		25
1,3-Butadiene	112		-		70-130	-		25
Bromomethane	105		-		70-130	-		25
Chloroethane	99		-		70-130	-		25
Ethyl Alcohol	77		-		40-160	-		25
Vinyl bromide	107		-		70-130	-		25
Acrolein	79		-		60-113	-		25
Acetone	114		-		40-160	-		25
Trichlorofluoromethane	104		-		70-130	-		25
iso-Propyl Alcohol	110		-		40-160	-		25
Acrylonitrile	80		-		70-130	-		25
1,1-Dichloroethene	101		-		70-130	-		25
tert-Butyl Alcohol ¹	91		-		70-130	-		25
Methylene chloride	118		-		70-130	-		25
3-Chloropropene	114		-		70-130	-		25
Carbon disulfide	87		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		-		70-130	-		25
trans-1,2-Dichloroethene	92		-		70-130	-		25
1,1-Dichloroethane	90		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 14,16,18,20,22-23 Batch: WG1626425-3								
Methyl tert butyl ether	87		-		70-130	-		25
Vinyl acetate	106		-		70-130	-		25
2-Butanone	107		-		70-130	-		25
cis-1,2-Dichloroethene	104		-		70-130	-		25
Ethyl Acetate	98		-		70-130	-		25
Chloroform	102		-		70-130	-		25
Tetrahydrofuran	104		-		70-130	-		25
1,2-Dichloroethane	96		-		70-130	-		25
n-Hexane	112		-		70-130	-		25
1,1,1-Trichloroethane	115		-		70-130	-		25
Benzene	107		-		70-130	-		25
Carbon tetrachloride	107		-		70-130	-		25
Cyclohexane	111		-		70-130	-		25
Dibromomethane ¹	109		-		70-130	-		25
1,2-Dichloropropane	109		-		70-130	-		25
Bromodichloromethane	112		-		70-130	-		25
1,4-Dioxane	111		-		70-130	-		25
Trichloroethene	115		-		70-130	-		25
2,2,4-Trimethylpentane	114		-		70-130	-		25
cis-1,3-Dichloropropene	119		-		70-130	-		25
4-Methyl-2-pentanone	130		-		70-130	-		25
trans-1,3-Dichloropropene	102		-		70-130	-		25
1,1,2-Trichloroethane	120		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 14,16,18,20,22-23 Batch: WG1626425-3								
Toluene	105		-		70-130	-		25
2-Hexanone	120		-		70-130	-		25
Dibromochloromethane	112		-		70-130	-		25
1,2-Dibromoethane	114		-		70-130	-		25
Tetrachloroethene	106		-		70-130	-		25
1,1,1,2-Tetrachloroethane	103		-		70-130	-		25
Chlorobenzene	109		-		70-130	-		25
Ethylbenzene	114		-		70-130	-		25
p/m-Xylene	115		-		70-130	-		25
Bromoform	103		-		70-130	-		25
Styrene	118		-		70-130	-		25
1,1,2,2-Tetrachloroethane	121		-		70-130	-		25
o-Xylene	113		-		70-130	-		25
1,2,3-Trichloropropane ¹	108		-		70-130	-		25
Isopropylbenzene	108		-		70-130	-		25
Bromobenzene ¹	106		-		70-130	-		25
4-Ethyltoluene	113		-		70-130	-		25
1,3,5-Trimethylbenzene	116		-		70-130	-		25
1,2,4-Trimethylbenzene	122		-		70-130	-		25
Benzyl chloride	80		-		70-130	-		25
1,3-Dichlorobenzene	111		-		70-130	-		25
1,4-Dichlorobenzene	109		-		70-130	-		25
sec-Butylbenzene	109		-		70-130	-		25

Lab Control Sample Analysis**Batch Quality Control****Project Name:** VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 14,16,18,20,22-23 Batch: WG1626425-3								
p-Isopropyltoluene	96		-		70-130	-		25
1,2-Dichlorobenzene	110		-		70-130	-		25
n-Butylbenzene	108		-		70-130	-		25
1,2-Dibromo-3-chloropropane	103		-		70-130	-		25
1,2,4-Trichlorobenzene	90		-		70-130	-		25
Naphthalene	76		-		70-130	-		25
1,2,3-Trichlorobenzene	93		-		70-130	-		25
Hexachlorobutadiene	108		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 Batch: WG1626436-3								
Chlorodifluoromethane	80		-		70-130	-		
Propylene	86		-		70-130	-		
Propane	88		-		70-130	-		
Dichlorodifluoromethane	76		-		70-130	-		
Chloromethane	77		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76		-		70-130	-		
Methanol	91		-		70-130	-		
Vinyl chloride	74		-		70-130	-		
1,3-Butadiene	87		-		70-130	-		
Butane	81		-		70-130	-		
Bromomethane	72		-		70-130	-		
Chloroethane	76		-		70-130	-		
Ethyl Alcohol	131		-		40-160	-		
Dichlorofluoromethane	83		-		70-130	-		
Vinyl bromide	83		-		70-130	-		
Acrolein	83		-		60-113	-		
Acetone	98		-		40-160	-		
Acetonitrile	84		-		70-130	-		
Trichlorofluoromethane	80		-		70-130	-		
iso-Propyl Alcohol	94		-		40-160	-		
Acrylonitrile	89		-		70-130	-		
Pentane	86		-		70-130	-		
Ethyl ether	137	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 Batch: WG1626436-3								
1,1-Dichloroethene	82		-		70-130	-		
tert-Butyl Alcohol	90		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	106		-		70-130	-		
Carbon disulfide	117		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		-		70-130	-		
trans-1,2-Dichloroethene	76		-		70-130	-		
1,1-Dichloroethane	76		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
Vinyl acetate	86		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	72		-		70-130	-		
Ethyl Acetate	86		-		70-130	-		
Chloroform	84		-		70-130	-		
Tetrahydrofuran	85		-		70-130	-		
2,2-Dichloropropane	95		-		70-130	-		
1,2-Dichloroethane	74		-		70-130	-		
n-Hexane	99		-		70-130	-		
Isopropyl Ether	92		-		70-130	-		
Ethyl-Tert-Butyl-Ether	85		-		70-130	-		
1,2-Dichloroethene (total)	74		-			-		
1,2-Dichloroethene (total)	74		-			-		
1,1,1-Trichloroethane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 Batch: WG1626436-3								
1,1-Dichloropropene	102		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	97		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	90		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	85		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	102		-		40-160	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	111		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	88		-		70-130	-		
Toluene	79		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		
2-Hexanone	106		-		70-130	-		
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		
Butyl Acetate	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 Batch: WG1626436-3								
Octane	91		-		70-130	-		
Tetrachloroethene	84		-		70-130	-		
1,1,1,2-Tetrachloroethane	91		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	82		-		70-130	-		
p/m-Xylene	84		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	85		-		70-130	-		
1,1,1,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	86		-		70-130	-		
1,2,3-Trichloropropane	99		-		70-130	-		
Nonane (C9)	102		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	98		-		70-130	-		
o-Chlorotoluene	86		-		70-130	-		
n-Propylbenzene	90		-		70-130	-		
p-Chlorotoluene	85		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	87		-		70-130	-		
tert-Butylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Decane (C10)	96		-		70-130	-		
Benzyl chloride	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 Batch: WG1626436-3								
1,3-Dichlorobenzene	88		-		70-130	-		
1,4-Dichlorobenzene	87		-		70-130	-		
sec-Butylbenzene	97		-		70-130	-		
p-Isopropyltoluene	87		-		70-130	-		
1,2-Dichlorobenzene	87		-		70-130	-		
n-Butylbenzene	93		-		70-130	-		
1,2-Dibromo-3-chloropropane	107		-		70-130	-		
Undecane	98		-		70-130	-		
Dodecane (C12)	102		-		70-130	-		
1,2,4-Trichlorobenzene	78		-		70-130	-		
Naphthalene	92		-		70-130	-		
1,2,3-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	79		-		70-130	-		

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Duplicate Analysis **Batch Quality Control**

Lab Number: L2216946
Report Date: 04/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 QC Batch ID: WG1625930-5 QC Sample: L2216946-10 Client ID: IDA-3R (03302022)						
Dichlorodifluoromethane	0.532	0.530	ppbV	0		25
Chloromethane	0.685	0.698	ppbV	2		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	36.4	35.7	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	14.1	12.6	ppbV	11		25
Trichlorofluoromethane	1.92	1.93	ppbV	1		25
iso-Propyl Alcohol	3.66	3.64	ppbV	1		25
tert-Butyl Alcohol	1.67	1.66	ppbV	1		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.503	0.508	ppbV	1		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	1.38	1.38	ppbV	0		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Duplicate Analysis **Batch Quality Control**

Lab Number: L2216946
Report Date: 04/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 QC Batch ID: WG1625930-5 QC Sample: L2216946-10 Client ID: IDA-3R (03302022)						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1.81	1.86	ppbV	3		25
Benzene	0.603	0.607	ppbV	1		25
Cyclohexane	0.520	0.522	ppbV	0		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	2.00	2.03	ppbV	1		25
Heptane	1.26	1.26	ppbV	0		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	4.59	4.60	ppbV	0		25
Xylene (Total)	15.4	15.1	ppbV	2		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	5.70	5.61	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Duplicate Analysis **Batch Quality Control**

Lab Number: L2216946
Report Date: 04/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05,07-12 QC Batch ID: WG1625930-5 QC Sample: L2216946-10 Client ID: IDA-3R (03302022)						
Ethylbenzene	2.66	2.62	ppbV	2		25
p/m-Xylene	11.0	10.8	ppbV	2		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.239	0.236	ppbV	1		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	4.36	4.26	ppbV	2		25
4-Ethyltoluene	0.647	0.616	ppbV	5		25
1,3,5-Trimethylbenzene	0.629	0.615	ppbV	2		25
1,2,4-Trimethylbenzene	3.09	2.98	ppbV	4		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2216946
Report Date: 04/14/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04,06,08,10,12 QC Batch ID: WG1625931-5 QC Sample: L2216946-10 Client ID: IDA-3R (03302022)						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.084	0.082	ppbV	2		25
Trichloroethene	0.129	0.128	ppbV	1		25
Tetrachloroethene	0.027	0.026	ppbV	4		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1626436-5 QC Sample: L2216946-07 Client ID: SSV-25 (03302022)						
trans-1,2-Dichloroethene	565	564	ppbV	0		25
cis-1,2-Dichloroethene	1100	1080	ppbV	2		25
Trichloroethene	52200	50900	ppbV	3		25
1,2-Dichloroethene (total)	1670	1640	ppbV	2		25

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Lab Number: Serial_No:04142217:06
L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2216946-01	ODA-03 (03302022)	02247	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.0	0
L2216946-01	ODA-03 (03302022)	2932	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.1	-5.6	-	-	-	-
L2216946-02	DUP (03302022)	0089	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.0	0
L2216946-02	DUP (03302022)	2889	6.0L Can	03/24/22	379840	L2214886-05	Pass	-28.9	-7.9	-	-	-	-
L2216946-03	SSV-24 (03302022)	01177	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.0	0
L2216946-03	SSV-24 (03302022)	622	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.1	-22.1	-	-	-	-
L2216946-04	IDA-2R (03302022)	02253	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.7	11
L2216946-04	IDA-2R (03302022)	3599	6.0L Can	03/24/22	379840	L2214641-07	Pass	-29.0	-9.0	-	-	-	-
L2216946-05	SSV-11 (03302022)	0001	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.5	18
L2216946-05	SSV-11 (03302022)	2960	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.2	-9.8	-	-	-	-
L2216946-06	IDA-1 (03302022)	0824	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	0.8	116
L2216946-06	IDA-1 (03302022)	1574	6.0L Can	03/24/22	379840	L2214886-05	Pass	-28.9	-23.4	-	-	-	-
L2216946-07	SSV-25 (03302022)	01461	Flow 4	03/24/22	379840		-	-	-	Pass	3.0	2.8	7
L2216946-07	SSV-25 (03302022)	3597	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.1	-9.0	-	-	-	-
L2216946-08	IDA-6 (03302022)	01491	Flow 3	03/24/22	379840		-	-	-	Pass	3.0	3.2	6

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Serial_No:04142217:06
Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2216946-08	IDA-6 (03302022)	1991	6.0L Can	03/24/22	379840	L2214641-07	Pass	-28.9	-8.6	-	-	-	-
L2216946-09	SSV-27 (03302022)	01476	Flow 4	03/24/22	379840		-	-	-	Pass	3.0	2.9	3
L2216946-09	SSV-27 (03302022)	2979	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.2	-11.2	-	-	-	-
L2216946-10	IDA-3R (03302022)	01784	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.1	3
L2216946-10	IDA-3R (03302022)	3390	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.1	-8.6	-	-	-	-
L2216946-11	SSV-26 (03302022)	01780	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.2	31
L2216946-11	SSV-26 (03302022)	2649	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.2	-13.0	-	-	-	-
L2216946-12	IDA-5R (03302022)	0413	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	1.5	67
L2216946-12	IDA-5R (03302022)	1537	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.1	-10.5	-	-	-	-
L2216946-13	SSV-5 (03302022)	0226	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.0	0
L2216946-13	SSV-5 (03302022)	3603	6.0L Can	03/24/22	379840	L2214886-03	Pass	-28.8	-10.0	-	-	-	-
L2216946-14	IDA-10R (03302022)	01219	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.2	31
L2216946-14	IDA-10R (03302022)	1657	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.1	-8.0	-	-	-	-
L2216946-15	SSV-28 (03302022)	02207	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.0	0
L2216946-15	SSV-28 (03302022)	2101	6.0L Can	03/24/22	379840	L2214886-09	Pass	-28.9	0.0	-	-	-	-

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Serial_No:04142217:06
Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2216946-16	IDA-7R (03302022)	01405	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.1	3
L2216946-16	IDA-7R (03302022)	3266	6.0L Can	03/24/22	379840	L2214641-08	Pass	-28.9	-11.1	-	-	-	-
L2216946-17	SSV-21 (03302022)	2618	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.0	-6.5	-	-	-	-
L2216946-18	IDA-4R (03302022)	01201	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.9	3
L2216946-18	IDA-4R (03302022)	3480	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.0	-9.5	-	-	-	-
L2216946-19	SSV-14R (03302022)	01074	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.9	3
L2216946-19	SSV-14R (03302022)	2560	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.0	-9.1	-	-	-	-
L2216946-20	IDA-9R (03302022)	0499	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	2.9	3
L2216946-20	IDA-9R (03302022)	3641	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.1	-8.0	-	-	-	-
L2216946-21	SSV-15 (03302022)	0850	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.6	18
L2216946-21	SSV-15 (03302022)	2251	6.0L Can	03/24/22	379840	L2214886-05	Pass	-29.1	-18.0	-	-	-	-
L2216946-22	IDA-11R (03302022)	01366	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	3.1	3
L2216946-22	IDA-11R (03302022)	3064	6.0L Can	03/24/22	379840	L2214886-04	Pass	-29.1	-9.3	-	-	-	-
L2216946-23	IDA-11R-A (03302022)	0091	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	1.0	100
L2216946-23	IDA-11R-A (03302022)	3308	6.0L Can	03/24/22	379840	L2214886-04	Pass	-29.0	-9.1	-	-	-	-

Project Name: VONTIER-FORMER CHICAGO PNEUMAT

Serial_No:04142217:06
Lab Number: L2216946

Project Number: 0634123.04

Report Date: 04/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2216946-24	UNUSED CAN #2580	01357	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	-0.1	214
L2216946-24	UNUSED CAN #2580	2580	6.0L Can	03/24/22	379840	L2214886-04	Pass	-29.1	-26.5	-	-	-	-
L2216946-25	UNUSED CAN #2294	0043	Flow 5	03/24/22	379840		-	-	-	Pass	3.0	-0.1	214
L2216946-25	UNUSED CAN #2294	2294	6.0L Can	03/24/22	379840	L2214886-03	Pass	-29.0	-28.1	-	-	-	-

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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/22 00:34
Analyst: TS

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214641**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214641-07

Date Collected: 03/21/22 09:00

Client ID: CAN 2119 SHELF 32

Date Received: 03/22/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 00:34
Analyst: TS

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-07
Client ID: CAN 2119 SHELF 32
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214641**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214641-07

Date Collected: 03/21/22 09:00

Client ID: CAN 2119 SHELF 32

Date Received: 03/22/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-08
Client ID: CAN 2923 SHELF 33
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/22 01:13
Analyst: TS

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-08
Client ID: CAN 2923 SHELF 33
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-08
Client ID: CAN 2923 SHELF 33
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-08
Client ID: CAN 2923 SHELF 33
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214641**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214641-08

Date Collected: 03/21/22 09:00

Client ID: CAN 2923 SHELF 33

Date Received: 03/22/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2214641
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214641-08
Client ID: CAN 2923 SHELF 33
Sample Location:

Date Collected: 03/21/22 09:00
Date Received: 03/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 01:13
Analyst: TS

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214641**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214641-08

Date Collected: 03/21/22 09:00

Client ID: CAN 2923 SHELF 33

Date Received: 03/22/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214641**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214641-08

Date Collected: 03/21/22 09:00

Client ID: CAN 2923 SHELF 33

Date Received: 03/22/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-03
Client ID: CAN 2665 SHELF 35
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/22 19:55
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-03
Client ID: CAN 2665 SHELF 35
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-03
Client ID: CAN 2665 SHELF 35
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-03

Date Collected: 03/22/22 16:00

Client ID: CAN 2665 SHELF 35

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-03

Date Collected: 03/22/22 16:00

Client ID: CAN 2665 SHELF 35

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	84		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-03
Client ID: CAN 2665 SHELF 35
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 19:55
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-03
Client ID: CAN 2665 SHELF 35
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-03

Date Collected: 03/22/22 16:00

Client ID: CAN 2665 SHELF 35

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	84		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-04
Client ID: CAN 2988 SHELF 36
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/22 20:34
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-04
Client ID: CAN 2988 SHELF 36
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-04
Client ID: CAN 2988 SHELF 36
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results****Lab ID:** L2214886-04**Date Collected:** 03/22/22 16:00**Client ID:** CAN 2988 SHELF 36**Date Received:** 03/23/22**Sample Location:****Field Prep:** Not Specified**Sample Depth:**

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-04

Date Collected: 03/22/22 16:00

Client ID: CAN 2988 SHELF 36

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-04
Client ID: CAN 2988 SHELF 36
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 20:34
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-04
Client ID: CAN 2988 SHELF 36
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-04

Date Collected: 03/22/22 16:00

Client ID: CAN 2988 SHELF 36

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-05
Client ID: CAN 2838 SHELF 37
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/23/22 21:13
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-05
Client ID: CAN 2838 SHELF 37
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-05
Client ID: CAN 2838 SHELF 37
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-05

Date Collected: 03/22/22 16:00

Client ID: CAN 2838 SHELF 37

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-05

Date Collected: 03/22/22 16:00

Client ID: CAN 2838 SHELF 37

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-05
Client ID: CAN 2838 SHELF 37
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/23/22 21:13
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-05
Client ID: CAN 2838 SHELF 37
Sample Location:

Date Collected: 03/22/22 16:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-05

Date Collected: 03/22/22 16:00

Client ID: CAN 2838 SHELF 37

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-09
Client ID: CAN 3056 SHELF 38
Sample Location:

Date Collected: 03/23/22 09:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/24/22 00:35
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	17.0	5.00	--	22.3	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-09
Client ID: CAN 3056 SHELF 38
Sample Location:

Date Collected: 03/23/22 09:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-09
Client ID: CAN 3056 SHELF 38
Sample Location:

Date Collected: 03/23/22 09:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-09

Date Collected: 03/23/22 09:00

Client ID: CAN 3056 SHELF 38

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-09

Date Collected: 03/23/22 09:00

Client ID: CAN 3056 SHELF 38

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	82		60-140



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-09
Client ID: CAN 3056 SHELF 38
Sample Location:

Date Collected: 03/23/22 09:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/24/22 00:35
Analyst: TS

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



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

Lab Number: L2214886
Report Date: 04/14/22

Air Canister Certification Results

Lab ID: L2214886-09
Client ID: CAN 3056 SHELF 38
Sample Location:

Date Collected: 03/23/22 09:00
Date Received: 03/23/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2214886**Project Number:** CANISTER QC BAT**Report Date:** 04/14/22**Air Canister Certification Results**

Lab ID: L2214886-09

Date Collected: 03/23/22 09:00

Client ID: CAN 3056 SHELF 38

Date Received: 03/23/22

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	82		60-140



Project Name: VONTIER-FORMER CHICAGO PNEUMAT**Lab Number:** L2216946**Project Number:** 0634123.04**Report Date:** 04/14/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216946-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2216946-03A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-04A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-05A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-06A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30)
L2216946-07A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-08A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2216946-09A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-10A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-11A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-12A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-13A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-14A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2216946-15A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-16A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2216946-17A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-18A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-19A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-20A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-21A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2216946-22A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2216946-23A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Serial_No:04142217:06
Lab Number: L2216946
Report Date: 04/14/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2216946-24A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()
L2216946-25A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: VONTIER-FORMER CHICAGO PNEUMAT
Project Number: 0634123.04

Lab Number: L2216946
Report Date: 04/14/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

Client Information

Client: **ERM**
Address: **5784 Widenwaters Pkwy**
Phone: **315-445-2554**
Fax: **edd@erm.com**
Email: **tim.daniuk@erm.com**
Kevin Warner@erm.com

Project Information

Project Name: **Ventier Farmer Chicago pneumatic**
Project Location: **Frankfort, NY**
Project #: **0631423.04**
Project Manager: **Tim Daniuk**
ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Date Rec'd in Lab: **4/1/22**

Report Information - Data Deliverables

☐ FAX
☒ ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: **ERM EQUIS EDD**
☒ EMAIL (standard pdf report)
☒ Additional Deliverables:
ERM EQUIS EDD
Report to: (If different than Project Manager)
CASASPB Level 1

ALPHA Job #: **L2216946**

Billing Information

☒ Same as Client Info PO #: **063412304**

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

☐ TO-15
☐ TO-15 SIM
☐ APH
☐ Sulfides & Mercaptans by TO-15
☐ Fixed Gases
☐ Sulfides Non-halogenated HCs

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION		Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
16946-01	ODA-03(03302022)	3/31/22	0841	0800	-30.36	-6.63	AA	OB	6L	2932	02247	X				
-02	DUP(03302022)		1526	1327	-29.84	-7.83	AA	OB	6L	2889	0089	X				
-03	SSV-24(03302022)		0912	1740	-30.13	-21.96	SV	OB	6L	622	01177	X				PID = 0.0 ppb
-04	IDA-2R(03302022)		0911	1213	-30.09	-8.79	AA	OB	6L	3599	02253	X				
-05	SSV-11(03302022)		0959	1429	-30.09	-9.80	SV	OB	6L	2960	0001	X				PID = 112 ppb
-06	IDA-1(03302022)		0958	1556	-30.04	-23.05	AA	OB	6L	1574	0824	X				PID = 151.6 ppm
-07	SSV-25(03302022)		1118	1141	-30.64	-9.77	SV	OB	6L	3597	01461	X				
-08	IDA-6(03302022)		1118	1140	-30.22	-8.60	AA	OB	6L	1991	01491	X				
-09	SSV-27(03302022)		1147	1452	-30.20	-11.43	SV	OB	6L	2979	01476	X				PID = 0.0 ppb
-10	IDA-3R(03302022)		1147	1239	-30.14	-8.29	AA	OB	6L	3390	01784	X				

*SAMPLE MATRIX CODES

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

Container Type

CLS

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

Relinquished By:

Date/Time

Received By:

Date/Time:



AIR ANALYSIS

 PAGE 2 OF 3

CHAIN OF CUSTODY

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

Client Information

 Client: ~~Frankfort NY~~ Frankfort NY

 Address: Frankfort NY
5784 Widenwaters Pkwy, Syracuse

 Phone: 315 445-2554

Fax:

 Email: tim.daniluk@erm.com
kgin.warner@erm.com
edward@erm.com
☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

 Project-Specific Target Compound List: ☐
ERM EOUIS EDD

Project Information

 Project Name: Venties Former Chicago Pneumatic

 Project Location: Frankfort NY

 Project #: 0631423.04

 Project Manager: Tim Daniluk

ALPHA Quote #:

Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

 Date Rec'd in Lab: 4/1/22

Report Information - Data Deliverables

☐ FAX

☒ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

 Other Formats: ERM EDD
☒ EMAIL (standard pdf report) EQUS
☒ Additional Deliverables:

ERM EOUIS EDD

Report ID: (if different than Project Manager)

ASPCA+B level IV

 ALPHA Job #: L2216946

Billing Information

☒ Same as Client info PO #: 063142.04
0631423.04

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION										TO-15 SIM	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller						
<u>16946-11</u>	<u>SSV-26 (03302022)</u>	<u>3/31/22</u>	<u>1211</u>	<u>1506</u>	<u>-30.41</u>	<u>-13.42</u>	<u>SV</u>	<u>CB</u>	<u>6L</u>	<u>2649</u>	<u>01780</u>	<u>X</u>					<u>PID = 1465 ppb</u>
<u>-12</u>	<u>IDA-5R (03302022)</u>		<u>1211</u>	<u>1455</u>	<u>-29.97</u>	<u>-10.52</u>	<u>AA</u>			<u>1537</u>	<u>0413</u>	<u>X</u>					
<u>-13</u>	<u>SSV-5 (03302022)</u>		<u>1231</u>	<u>1441</u>	<u>-30.28</u>	<u>-9.94</u>	<u>SV</u>			<u>3603</u>	<u>0226</u>	<u>X</u>					<u>PID = 499 ppb</u>
<u>-14</u>	<u>IDA-10R (03302022)</u>		<u>1233</u>	<u>1044</u>	<u>-30.14</u>	<u>-7.32</u>	<u>AA</u>			<u>1657</u>	<u>01219</u>	<u>X</u>					
<u>-15</u>	<u>SSV-28 (03302022)</u>		<u>1300</u>	<u>1047</u>	<u>-30.09</u>	<u>-0.25</u>	<u>SV</u>			<u>2101</u>	<u>02207</u>	<u>X</u>					<u>PID = 0.0 ppb</u>
<u>-16</u>	<u>IDA-7R (03302022)</u>		<u>1311</u>	<u>1446</u>	<u>-30.02</u>	<u>-10.55</u>	<u>AA</u>			<u>3266</u>	<u>01405</u>	<u>X</u>					
<u>-17</u>	<u>SSV-21 (03302022)</u>		<u>1520</u>	<u>1327</u>	<u>-30.46</u>	<u>-7.34</u>	<u>SV</u>			<u>2618</u>	<u>0850</u>	<u>X</u>					<u>PID = 1269 ppb</u>
<u>-18</u>	<u>IDA-4R (03302022)</u>		<u>1526</u>	<u>1336</u>	<u>-30.08</u>	<u>-9.57</u>	<u>AA</u>			<u>3480</u>	<u>01201</u>	<u>X</u>					
<u>-19</u>	<u>SSV-14R (03302022)</u>		<u>1557</u>	<u>1628</u>	<u>-29.10</u>	<u>-9.48</u>	<u>SV</u>			<u>2560</u>	<u>01074</u>	<u>X</u>					<u>PID = 1096 ppb</u>
<u>-20</u>	<u>IDA-9R (03302022)</u>		<u>1557</u>	<u>1628</u>	<u>-29.80</u>	<u>-7.72</u>	<u>AA</u>			<u>3041</u>	<u>0499</u>	<u>X</u>					<u>CB</u>

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

CS

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

Relinquished By:

Date/Time

Received By:

Date/Time:

APPENDIX H NYSDEC QUESTIONNAIRES AND BUILDING INVENTORY FORMS



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM03 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315)552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Jim Janes Affiliation: TENANT
Phone No: (315)404-4012 Alt. Phone No: (315)624-2718 Email: jjanes@deiorios.com
Number of Occupants (total): 60 Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM03 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13440
 Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-21/IDA-4F	Hitachi TH-Type-A	1.1 US Qt	U/UO	methyl ethyl ketone	372.2 ppm	☐
	DAP Touch 'n Foam No Warp w	12 oz	U/UO	Diphenylmethane diisocyanate, 4,4'-Methylene diphenyl diisocyanate (MDI), Tris(2-chloro-1-methylethyl) phosphate,	44.75 ppm	☐
	Bernzomatic (yellow)	14.1 oz	U/UO	propane	9746 ppm	☐
	Bernzomatic (blue)	14.1 oz	U/UO	propane	0	☐
	Sawzit 2000 all purpose sawinc	1 gal	U/UO	Alkanolamine, Hydro-treated heavy naphthenic distillates	7882 ppb	☐
	Scrubs in-a-bucket hand clean	72 towel	U	AQUA, CITRUS AURANTIUM DULCIS PEEL EXTRACT, LIMONENE, C11-12 ISOPARAFFIN, C11-15 SEC-PARETH-12, ISOPROPYL	7.29 ppm	☐
	Benjamin Moore Corotech high	85 fl oz	U	Benzyl alcohol, Isophoronediamine, Amine-Epoxy Resin Adduct, Nonylphenol	5046 ppb	☐
	Crown xylol xylene slow dry so	1 Gal	U	Mixed Xylenes, Ethylbenzene	69.93 ppm	☒
	Benjamin Moore Regal select p	126 Fl oz	U	Titanium Dioxide, Kaolin, Silica, amorphous, Sodium C14-C16 olefin sulfonate	0	☐
	Zinsser Mold Killing Primer	0.5 gal	U	Titanium Dioxide, Polyoxyethylene Lauryl Ether	11.28 ppm	☐
	USG sheetrock All Purpose join	4.5 gal	U	Limestone, Talc, Attapulgate, Mica, Perlite, Quartz (sand), Kaolin	13.57 ppm	☐
	Henry cove base adhesive 440	3.78 liter	U	Severely hydrotreated light naphthenic petroleum distillate, Kaolin, Urea, Crystalline silica, quartz	0	☐
	Mobil vacuum pump oil	1 Qt	U/UO	SEVERELY HYDROTREATED HEAVY PARAFFINIC DISTILLATE	4688	☐
	CRC Brakleen brake parts clean	14 oz	U/UO	Acetone, Carbon dioxide, Toluene	10.45 ppm	☒
	Sprayon non-chlorinated brake	14 oz	U/UO	Acetone, Toluene, Carbon Dioxide, Methanol	26.35 ppm	☒
	Mobil grease mobil polyrex EM	caulk tub	U/UO	1H-IMIDAZOLE-1-ETHANOL, 2-(8-HEPTADECENYL)-4,5-DIHYDRO, AMINES, C12-14-ALKYL, ISOOCYL PHOSPHATES	0	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM03 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-21/IDA-4F	Tap Magic EP-XTRA cutting fluid	4 fl oz	U	Hydrotreated oil, Paraffin wax compound	3772	☐
	TFE pipe thread sealant w/PTFE	3 fl oz	U	Kaolin clay, Distillates (petroleum), hydrotreated heavy naphthenic, calcium carbonate, titanium dioxide (bound in sealant), PTFE	4663	☐
	AST-RTV RTV silicone instant glue	8 oz	U/UO	Methyltriacetoxysilane, Ethyltriacetoxysilane, Silicon dioxide, Non-hazardous polymer, Acetic acid, Nitrogen	3092	☐
	Loctite LB 8036 white high temp	16 oz	U	White mineral oil (petroleum), highly refined, White mineral oil-, Calcium oxide, Aluminum, tri-m-oxotris(2-propanolato)tri-,	3024	☐
	Loctite C5-A copper based anti	8 oz	U	Calcium dihydroxide, Distillates (petroleum), hydrotreated heavy naphthenic, Petroleum distillates hydrotreated, light naphthenic, Copper	2302	☐
	Blaster penetrating catalyst	11 oz	U/UO	Distillates (petroleum), hydrotreated light, Solvent naphtha (petroleum), heavy aromatic, Distillates (petroleum), hydrotreated	2803	☐
	Nu-calgon cal vac vacuum pump	1 gal	U	Ingredients not identified are proprietary or non-hazardous by GHS criteria	2371	☐
	Sprayon ready to use heavy duty	32 oz	U/UO	2-Butoxyethanol, Sodium Xylene Sulfonate	2183	☐
	32-3MAF polyolester refrigerant	1 Qt	UO	Pentaerythritol ester of heptanoic and isopentanoic acids, Mixed pentaerythritol esters of isononionic and heptanoic acids, antiwear/	0	☐
	3M fastbond contact adhesive	1 Qt	U	Water, 2,3-Dichloro-1,3-Butadiene-chloroprene copolymer, Glycerol Esters of Rosin Acids, Rosin, Polymer with Phenol, Methyl Alcohol, Potassium	3495	☐
	Copeland Ultra 32-3MAF Polyol	1 Gal	U	Polyol ester, additives	4021	☐
	CRC QD Contact Cleaner	11 oz	U/UO	2-methylpentane, 1,1-difluoroethane, naphtha (petroleum), hydrotreated light, n-hexane, 2,2,4-trimethylpentane, isopropyl alcohol, n-pentane	6069	☒
	Mobil SHC Mobil SHC 634 ISO	1 Qt	U/UO	1-DECENE, TETRAMER AND TRIMER HYDROGENATED, PHOSPHORIC ACID, METHYLPHENYL DIPHENYL ESTER,	4995	☐
	Loctite 574 flange sealant	8.45 fl oz	U	Decan-1-ol, Cumene hydroperoxide, Acetic acid, 2-phenylhydrazide, maleic acid, N,N'-Ethane-1,2-diylbis(12-	13.25 ppm	☐
	Generation Stainless steel clear	16 oz	U	Water, Distillates (Petroleum), Hydrotreated light, white mineral oil, Triglycerol monooleate, Polydimethylsiloxane, liquefied Petroleum Gas	3554	☐
	Santec five heavy duty grill + o	1 gal	U	Sodium Hydroxide, Diethylene Glycol Monobutyl Ether, Sodium Xylene Sulfonate, Nonylphenol Ethoxylate	7622	☒

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM03 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13440
 Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-21/IDA-4F	Loctite 5113 thread sealant wit	16 fl oz	U	2-Propanol, Talc, Titanium dioxide, Ethene, tetrafluoro-, homopolymer, Quartz (SiO2), <1% respirable	152.36 ppn	☐
	Whitlam low voc clear primer	16 fl oz	U	Acetone, Methyl ethyl ketone, Cyclohexanone, Tetrahydrofuran	705.1 ppm	☒
	Whitlam blue magic industrial	16 fl oz	U	Ethylene glycol butyl ether, Isopropyl alcohol	35 ppm	☐
	Whitlam low voc clear cleaner	32 fl oz	U	Acetone, Methyl ethyl ketone	284.5 ppm	☒
	Whitlam clear heavy duty low	4 fl oz	U	Tetrahydrofuran, Acetone, Methyl ethyl ketone, Cyclohexanone	391.1	☒
	Whitlam low voc Clear Primer	4 fl oz	U	Acetone, Methyl ethyl ketone, Cyclohexanone, Tetrahydrofuran	NM	☒
	Talon whitlam thread sealing c	4 fl oz	U	Lubricating greases, Copper, Lime	90.34 ppm	☐
	Weldon P70 primer industrial g	4 fl oz	U	Tetrahydrofuran, Methyl Ethyl Ketone, Cyclohexanone, Acetone	630.8 ppm	☒
	JIT silicones valve sealing lubric	5.3 oz	U/UO	Silicon dioxide	380.2 ppm	☐
	Moldex mold killer	1 Gal	U	Isopropyl Alcohol	218.9 ppm	☐
	UN3085 oxidizing solid	5 Gal	U	1-bromo-3-chloro-5, 5-dimethylhydantion, 1,3-dichloro-5, 5-dimethylhydantoin, 1,3-dichloro-5-ethyl-5-methylhydantoin	0	☐
	Ingersoll Rand Long-life Ultra C	1 qt	U/UO	Polypropylene glycol monobutyl ether, Fatty acids, C5-C10, esters with pentaerythritol, Benzenamine, N-phenyl-, reactive	69.5 ppm	☐
	Dow Corning RTV Sealant 748	10.1 fl oz	U/UO	Calcium carbonate treated with stearic acid, Titanium dioxide, Methyltrimethoxysilane, Methanol	7044 ppb	☐
	Dow corning RTV sealant 732 n	4.7 fl oz	UO	Silicon dioxide	0	☐
	CRC food grade chain lube	12 oz	U/UO	White mineral oil	7047 ppb	☐
	Sprayon food grade silicone lul	10 oz	U/UO	Hexane, 2-Methylpentane, Propane, 3-Methylpentane, 2,3-Dimethylbutane, Cyclohexane, 2,2-Dimethylbutane, Cyclopentane	1228 ppb	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM03 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13440
 Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-21/IDA-4F	Alpet surface sanitizer D2	1 Qt	U	Isopropyl alcohol	5885 ppb	☐
	Regal R#22 food-grade	—	U/UO	—	7585 ppb	☐
	Petrochem food grade synthet	1 Gal	U/UO	—	4675 ppb	☐
	Renewable lubricants RLI Food	12 fl oz	U/UO	Ethanol, 2-butoxy, Dodecylbenzenesulfonic acid, triethanolamine salt, Silica acid, disodium salt	4649 ppb	☐
	CRC QD Contact cleaner	11 oz	U	naphtha (petroleum), hydrotreated light, 1,1-difluoroethane, naphtha (petroleum), light alkylate, isopropyl alcohol	3116 ppb	☒
	Valvoline	5 Gal	U	Distillates (Petroleum), Hydrotreated Heavy Paraffinic, hydrotreated light paraffinic distillate Benzenesulfonic acid, C10-60-	3948 ppb	☐
	Super Synthetic IND Gear Lube	—	U	dibutyl phosphonate, Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates	4716 ppb	☐
	Chapco Solvent free CSS-4 cov	1 Gal	UO	Kaolin clay, Butyl acrylate/vinyl benzene polymer	0	☒
	UGL Drylok masonry crack filler	10.5 fl oz	U	Distillates (petroleum), hydrotreated light, Quartz (SiO2), Pentapotassium triphosphate	2342 ppb	☐
	white lightening 3006 quick dr	10 fl oz	UO	Distillates (petroleum), hydrotreated light, Pentapotassium triphosphate, Quartz (SiO2)	0	☐
	Allpro acrylic urethane elastom	10.1 fl oz	UO	White Mineral oil, DISTILLATES, PETROLEUM, HYDROTREATED, Vendor Trade secret-Acrylic Polymer, CALCIUM CARBONATE	0	☐
	Best white acrylic latex caulk pl	10.1 fl oz	UO	Limestone, Lubricating petroleum oil. Petroleum distillates, Dipropylene glycol dibenzoate, Solvent ref. light paraffinic, Diethylene glycol dibenzoat	0	☐
	CRC Food Grade Silicone	14 oz	U/UO	1, 1-difluoroethane, naphtha (petroleum), hydrotreated light, 2-methylpentane, n-hexane	7080 ppb	☐
	Gojo original formula hand cle	—	U	C11-15 Alkane/cycloalkane, Mineral Oil (Paraffinum Liquidum), Trideceth-9, Propylene Glycol, Petrolatum, Sodium Hydroxymethylglycinate	14.76 ppm	☐
						☐
						☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM03 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-21/IDA-4F +	Alpet surface sanitizer D2	1 Qt	U	Isopropyl alcohol	5885 ppb	☐
	Regal R#22 food-grade	caulk tube +	U/UO	highly refined mineral oil	7585 ppb	☐
	Petrochem food grade synthet +	1 Gal	U/UO	-	4675 ppb	☐
	Renewable lubricants RLI Food +	12 fl oz	U/UO	Ethanol, 2-butoxy, Dodecylbenzenesulfonic acid, triethanolamine salt, Silica acid, disodium salt	4649 ppb	☐
	CRC QD Contact cleaner	11 oz	U	naphtha (petroleum), hydrotreated light, 1,1-difluoroethane, naphtha (petroleum), light alkylate, isopropyl alcohol	3116 ppb	☒
	Valvoline	5 Gal	U	HYDROTREATED LIGHT PARAFFINIC DISTILLATE	3948 ppb	☐
	Super Synthetic IND Gear Lube +		U	dibutyl phosphonate, Amines, C-11-14-branched alkyl, monoheptyl and diheptyl phosphates	4716 ppb	☐
	Chapco Solvent free CSS-4 cov +	1 Gal	UO	Kaolin clay, Butyl acrylate/vinyl benzene polymer	0	☒
	UGL Drylok masonry crack filler +	10.5 fl oz +	U	Distillates (petroleum), hydrotreated light, Quartz (SiO2), Pentapotassium triphosphate	2342	☐
	white lightening 3006 quick dr +	10 fl oz	UO	Distillates (petroleum), hydrotreated light, Pentapotassium triphosphate, Quartz (SiO2)	0	☐
	Allpro acrylic urethane elastom +	10.1 fl oz +	UO	White Mineral oil, DISTILLATES, PETROLEUM, HYDROTREATED, Vendor Trade secret-Acrylic Polymer, CALCIUM CARBONATE +	0	☐
						☐
						☐
						☐
						☐
						☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM03 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: dawn dish soap, oven degreaser

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

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

☒ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: Dry cleaned lab coats delivered on 

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Slight smell of exhaust

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

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

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

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

☒ Any Prior Testing For VOCs? If So, When?: Nov 2, 2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM03

Address: 2200 Bleecker St Utica , NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal

Sampler Company Code: ERM

Sample Collection Date: Mar 30, 2022

Date Samples Sent To Lab: 03/31/2022

Sample Chain of Custody Number:

Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-21(03302022)	IDA-4R(03302022)	ODA-03(03302022)	DUP(03302022)	
Location Code:	SSV-21	IDA-4R	ODA-03	DUP	
Location Type:	SUBSLAB	FIRST FLOOR	OUTDOOR	FIRST FLOOR	
Canister ID:	2618	3480	2932	2889	
Regulator ID:	0850	01201	02247	0089	
Matrix:	Subslab Soil Vapor	Indoor Air	Indoor Air	Indoor Air	
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	

Sampling Area Info

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

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 15:00	03/30/2022 15:00	03/30/2022 15:00	03/30/2022 15:00	
Vacuum Gauge Start:	-30.46	-30.08	-30.36	-29.84	
Sample End Date/Time:	03/31/2022 13:00	03/31/2022 13:00	03/31/2022 13:00	03/31/2022 13:00	
Vacuum Gauge End:	-7.34	-9.57	-6.63	-7.83	
Sample Duration (hrs):	24	24	24	24	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	823				
Purge PID Unit:	ppb				
Tracer Test Pass:	☐	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



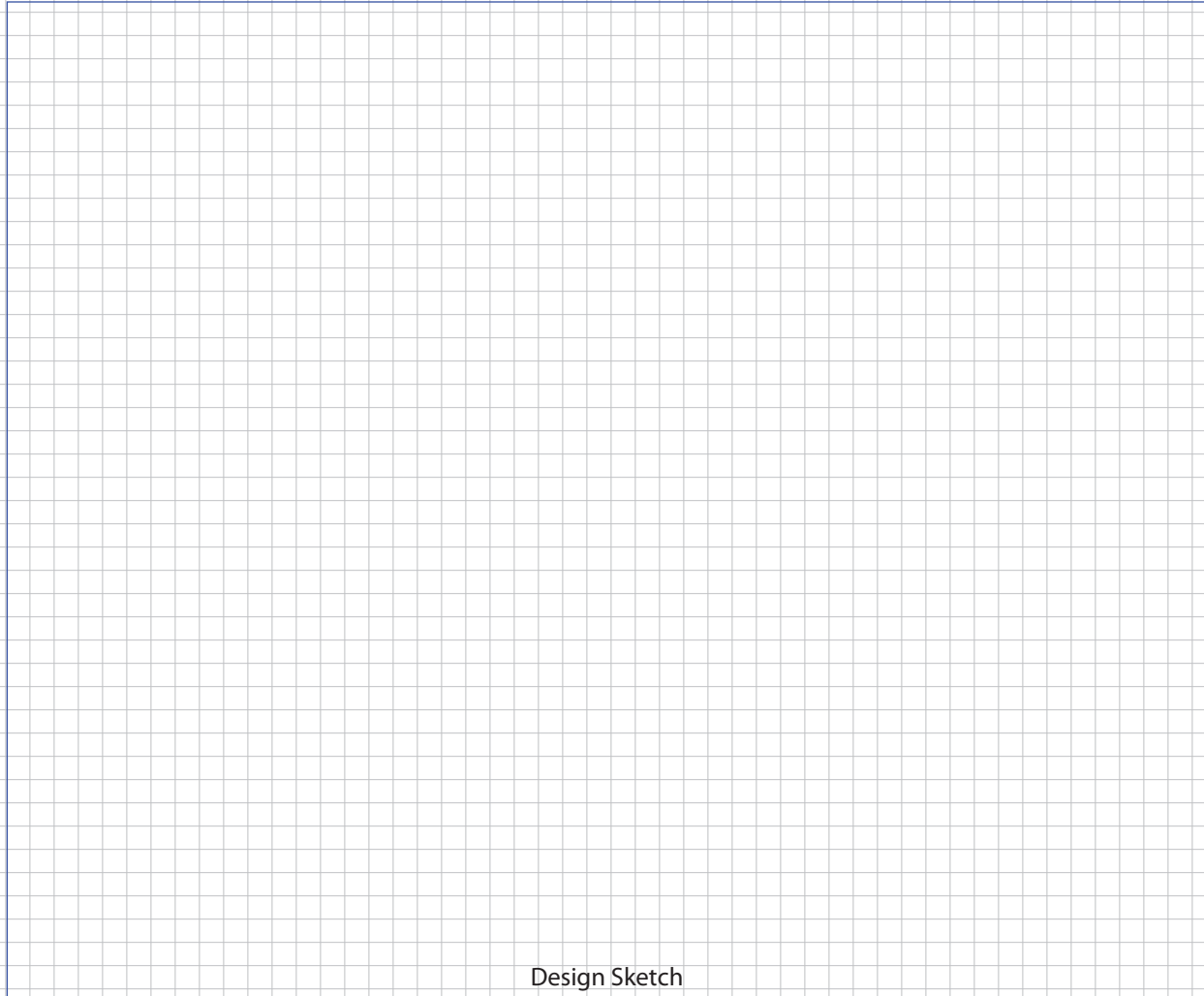
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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

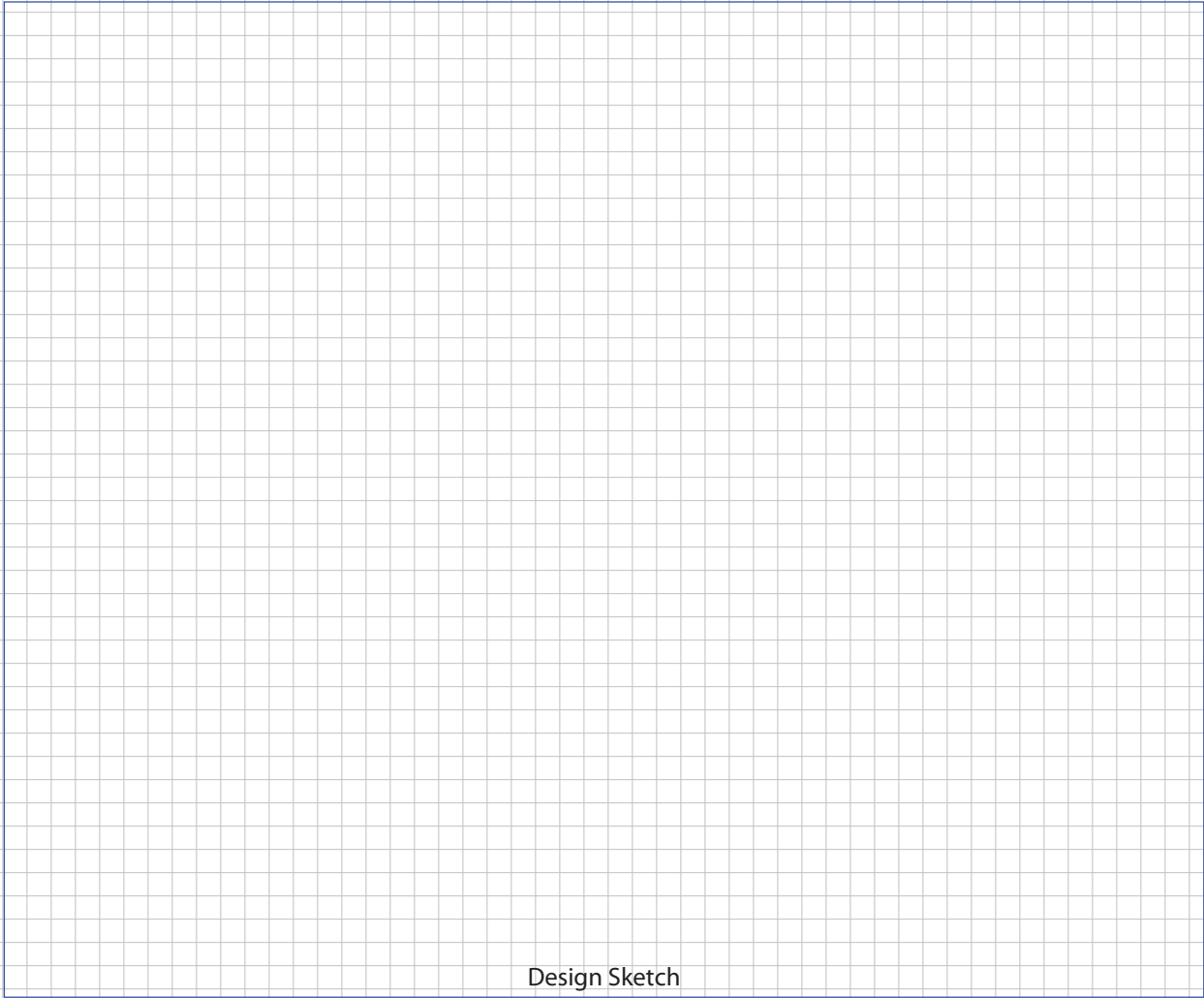


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM04 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315)552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Jim Janes Affiliation: TENANT
Phone No: (315)404-4012 Alt. Phone No: (315)624-2718 Email: jjanes@deiorios.com
Number of Occupants (total): 60  Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM04 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-14R/IDA-9R						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM04 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: dawn dish soap, oven degreaser

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

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

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

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Slight smell of exhaust

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

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

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

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

☒ Any Prior Testing For VOCs? If So, When?: Mar 30, 2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM04 Address: 2200 Bleecker St Utica , NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal Sampler Company Code: ERM
Sample Collection Date: 03/30/2022 Date Samples Sent To Lab: 03/31/2022
Sample Chain of Custody Number: Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-14R(03302022)	IDA-9R(03302022)		ODA-03(03302022)	
Location Code:	SSV-14R	IDA-9R		ODA-03	
Location Type:	SUBSLAB	FIRST FLOOR		OUTDOOR	
Canister ID:	2560	3641		2932	
Regulator ID:	01074	0499		02247	
Matrix:	Subslab Soil Vapor	Indoor Air		Ambient Outdoor Air	
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING		SUMMA AIR SAMPLING	

Sampling Area Info

Slab Thickness (inches):	8				
Sub-Slab Material:	FILL				
Sub-Slab Moisture:	DRY				
Seal Type:	NONE				
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 15:00	03/30/2022 16:00		03/30/2022 17:00	
Vacuum Gauge Start:	-29.1	-29.8		-30.36	
Sample End Date/Time:	03/31/2022 16:00	03/31/2022 17:00		03/31/2022 18:00	
Vacuum Gauge End:	-9.48	-7.72		-6.63	
Sample Duration (hrs):	24	24		24	
Vacuum Gauge Unit:	in(hg)	in(hg)		in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	2109				
Purge PID Unit:	ppb				
Tracer Test Pass:	☒	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



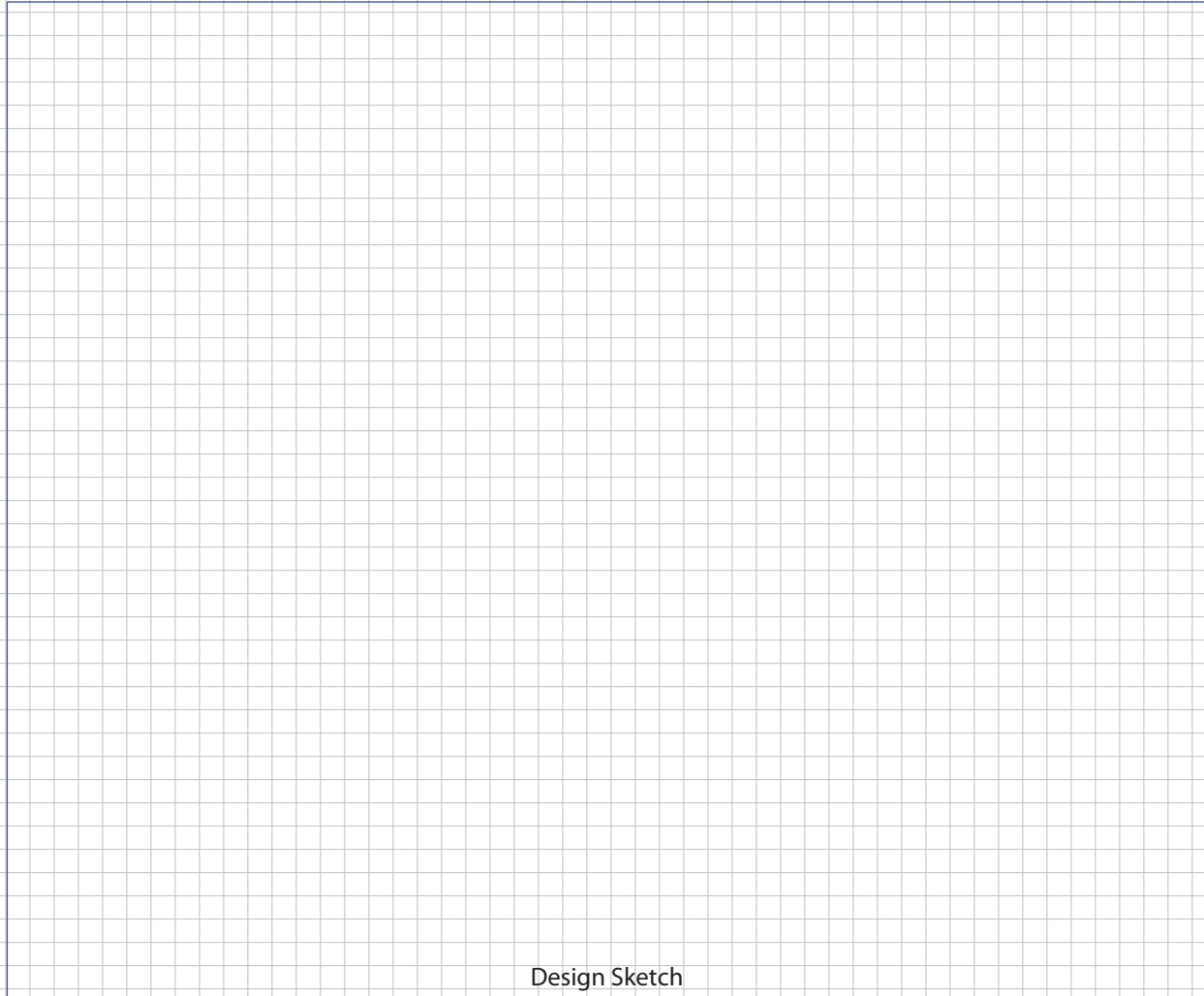
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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



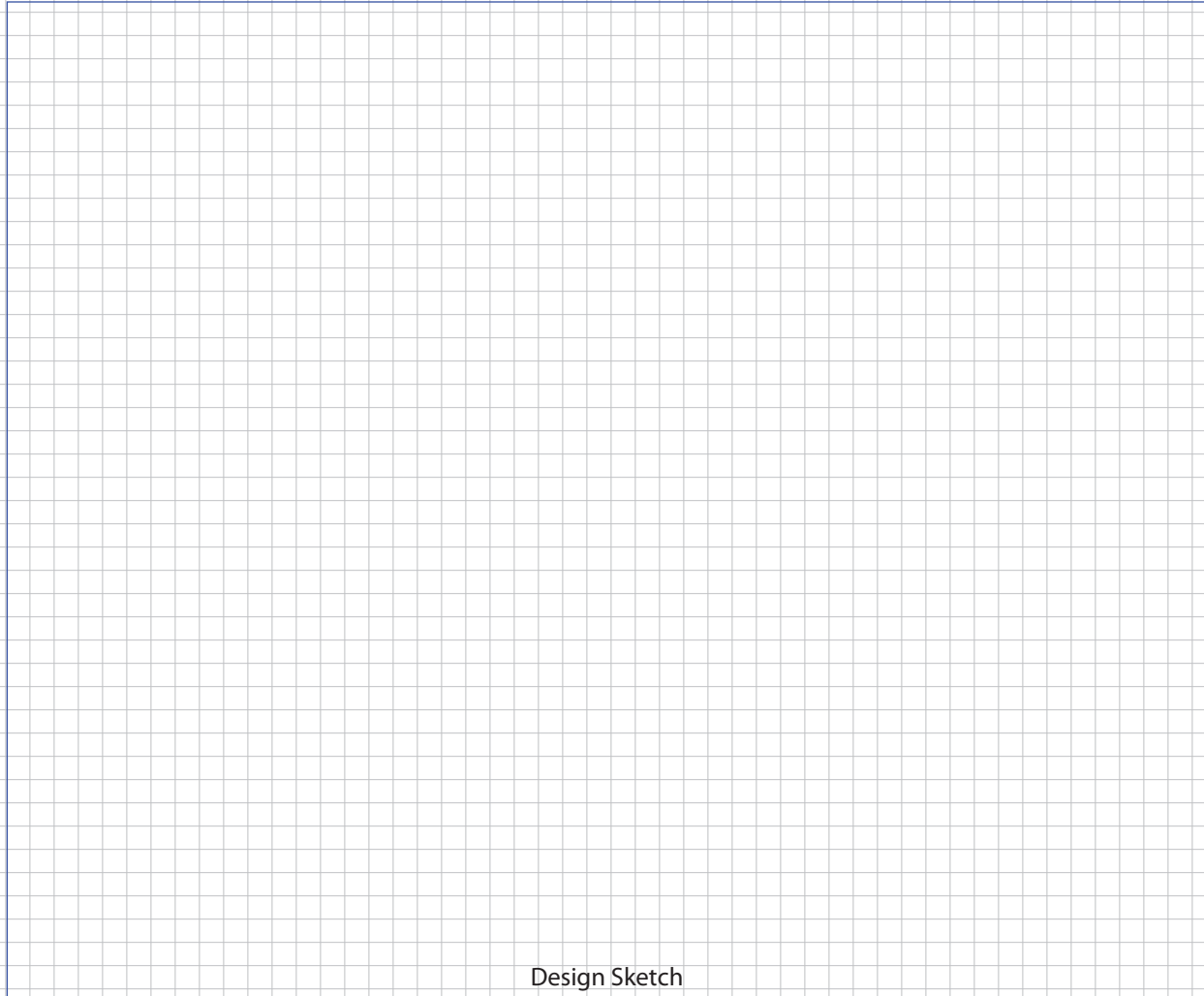
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM06 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315)552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Jim Janes Affiliation: TENANT
Phone No: (315)404-4012 Alt. Phone No: (315)624-2718 Email: jjanes@deiorios.com
Number of Occupants (total): 60 Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating /Cooling /Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM06 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-15/IDA-11	Pioneer eclipse Equinox ultra h	7.5 liters	U	diethylene glycol monoethyl ether	1336	☒
	Pioneer eclipse flash 55 high p	9.5 liters	U	ethylene glycol monobutyl ether, monoethanolamine	1329	☒
	Generation foaming oven and	1 Qt	U	Sodium Hydroxide , Diethylene Glycol Monobutyl Ether , Sodium Xylene Sulfonate	1330	☐
	Wyandotte professional Tornac	5 Gal	U	Water, Non-Hazardous -Not Provided by Vendor	1338	☐
	UN 3266 Liquid Pan Handler	5 gal	U	Water, Sodium hydroxide, Sodium salt of silicic aci, Octenylsuccinic acid, anionic surfactant blend, Aminotri(methylenephosphonic acid),	1350	☐
	Vigil Quat Sanitizer UN 1903	5 gal	U	water, Quaternary ammonium compounds, benzylC12-16-alkyldimethyl, chloride, 1-Decanaminium, N,N-dimethyl-N-octyl-,	1385	☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

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

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

Product Inventory Complete? Were there any elevated PID readings taken on site? ☒ Products with COC?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM06 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: dawn dish soap, oven degreaser

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

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

☒ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: Dry cleaned lab coats delivered on 

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Slight smell of exhaust

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

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

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

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

☒ Any Prior Testing For VOCs? If So, When?: Mar 30, 2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM06

Address: 2200 Bleecker St Utica , NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal

Sampler Company Code: ERM

Sample Collection Date: Mar 30, 2022

Date Samples Sent To Lab: Mar 31, 2022

Sample Chain of Custody Number:

Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-15(03302022)	IDA-11R(03302022)	ODA-03(03302022)	IDA-11R-A(03302022)	
Location Code:	SSV-15	IDA-11R	ODA-03	IDA-11R-A	
Location Type:	SUBSLAB	FIRST FLOOR	OUTDOOR	FIRST FLOOR	
Canister ID:	2251	3064	2932	3308	
Regulator ID:	0043	01366	02247	0091	
Matrix:	Subslab Soil Vapor	Indoor Air	Ambient Outdoor Air	Indoor Air	
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	

Sampling Area Info

Slab Thickness (inches):	8				
Sub-Slab Material:	FILL				
Sub-Slab Moisture:	DRY				
Seal Type:	NONE				
Seal Adequate?:	☐	☐	☐	☐	☐

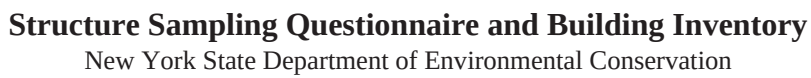
Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 16:00	03/30/2022 16:00	03/30/2022 16:00	03/30/2022 16:00	
Vacuum Gauge Start:	-29.57	-29.88	-30.36	-29.94	
Sample End Date/Time:	03/31/2022 17:00	03/31/2022 17:00	03/31/2022 17:00	03/31/2022 17:00	
Vacuum Gauge End:	-18.25	-9.27	-6.63	-10.55	
Sample Duration (hrs):	24	24	24	24	
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	1132				
Purge PID Unit:	ppb				
Tracer Test Pass:	☐	☐	☐	☐	☐

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



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

DRAFT

00A-03

SSV-05 DA-10R

SSV-28 DA-7A

SSV-27 DA-3R

SSV-26 DA-5R

SSV-25 DA-6

SSV-21 DA-6R

DA-11R-A

SSV-14R DA-9R

SSV-10 DA-11R

SSV-11 DA-1

SSV-24 DA-2R

Bleecker Street

Utica, NY

Legend

- Indoor Air Sample Location
- Sub-Slab Sample Location
- Outdoor Air Sample Location
- Tenant Partition
- Facility Boundary

NOTES:

- Samples collected 30 March 2022.
- Aerial Imagery: ESRI World Imagery
- Reproduced under license in ArcGIS 10.5

0 25 50 100 150 200 Feet

Figure 1: SVI Sample Locations
 Vontier - Former Chicago Pneumatic
 Utica, NY
 March 2022

ERN

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



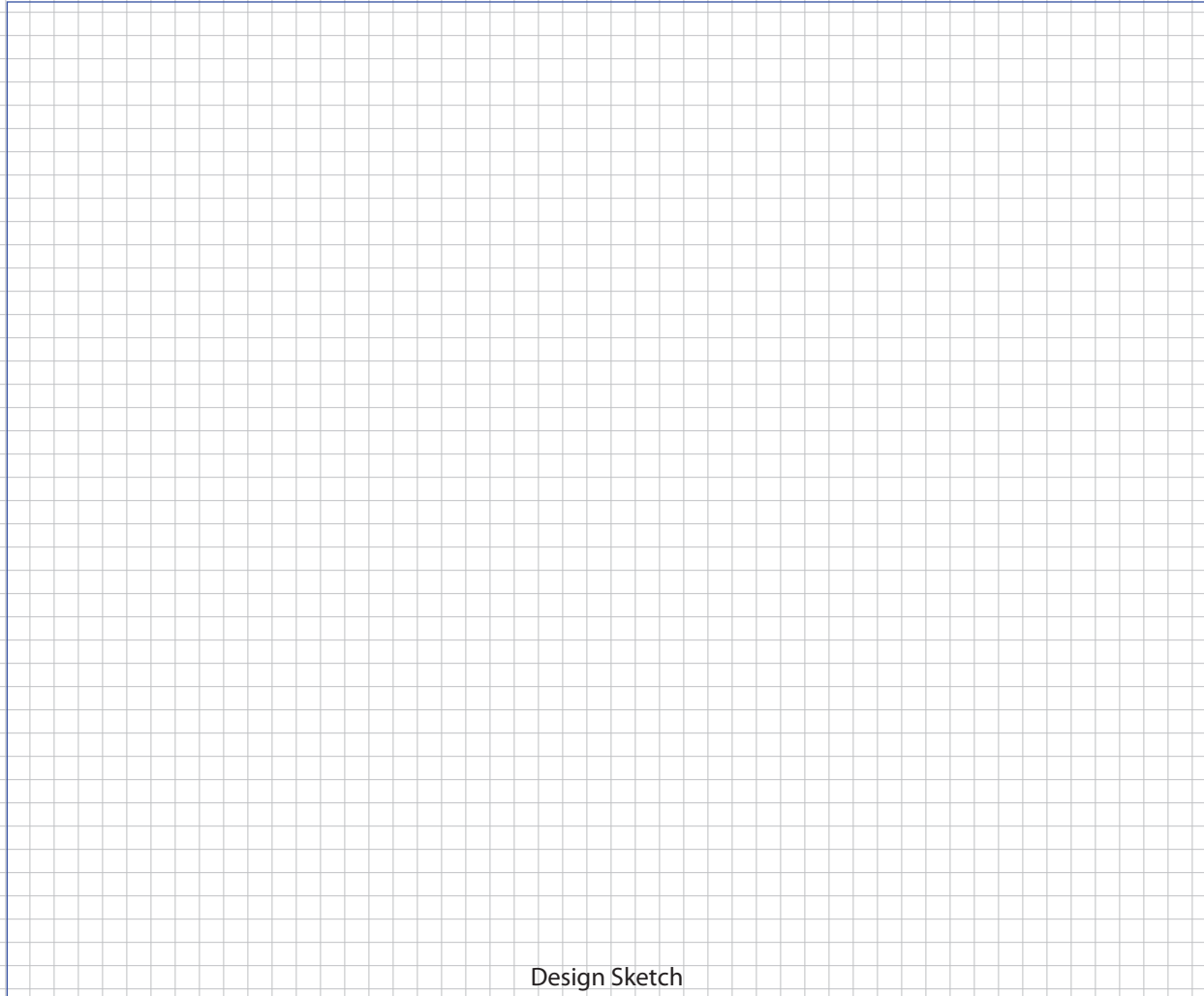
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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

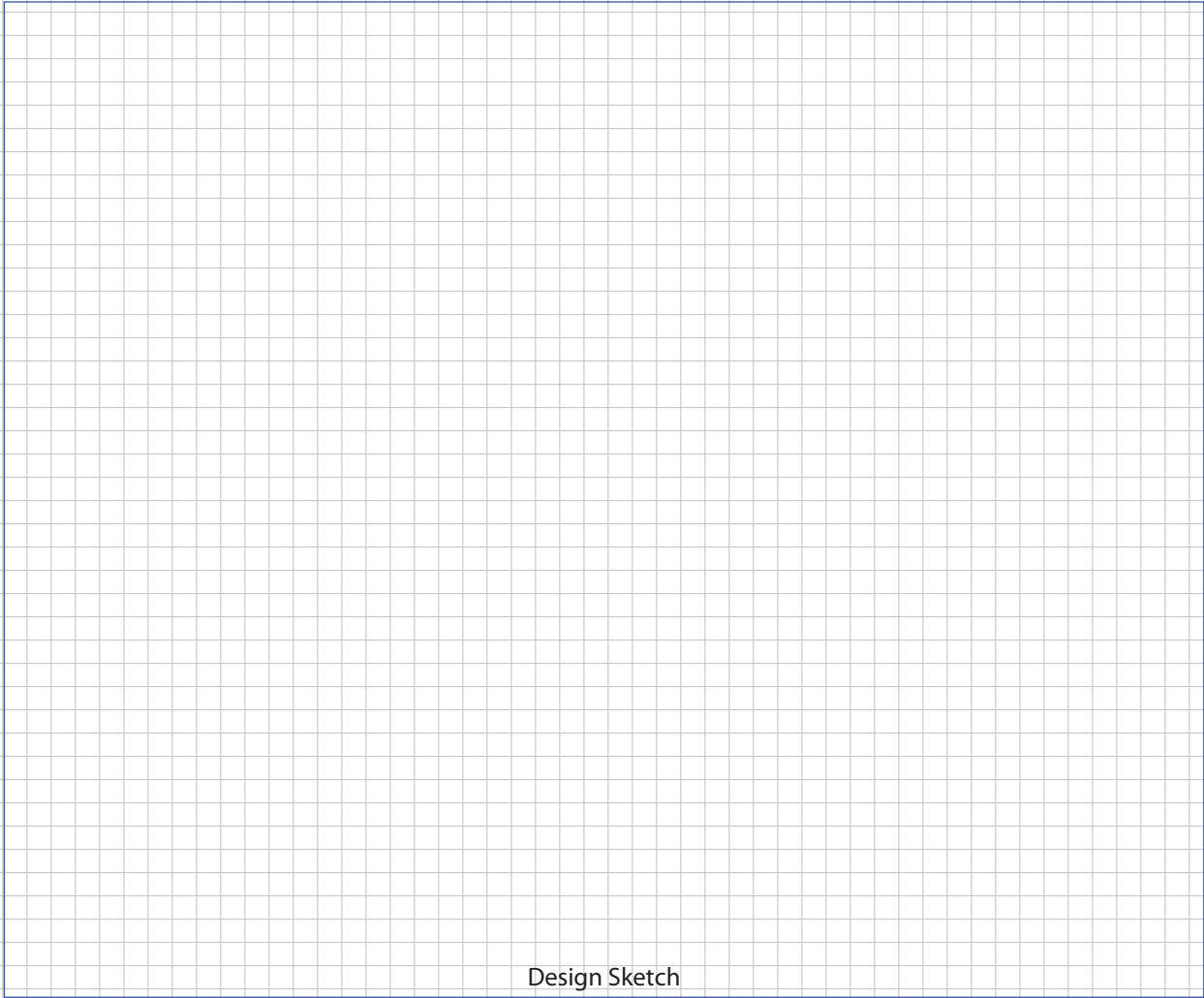


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch Guidelines and Recommended Symbolology

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM07 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13340 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315) 552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Steve Copperwheat Affiliation: TENANT
Phone No: (315) 507-4378 Alt. Phone No: _____ Email: steve.copperwheat@envi
Number of Occupants (total): 20 Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM07 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13340
 Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Krylon Color max paint and primer	12	U	Acetone Propane Butane Toluene Isobutyl Acetate Ethyl 3-Ethoxypropionate Carbon Red	535 ppb	☒
	WD-40	1 Gal	U	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	247.3 ppb	☐
	Eyesaline	16	U	Agua esteril	1771	☐
	DAP WELDWOOD contact cement	1gal	U	Polychlorinated Rubber, Terpene phenolic resin, glycerin ester of hydrog. ros, Urea, Toluene	31 ppm	☒
	Traveller SAE 10W-30	5 qt	U	Highly refined mineral oil (C-15-C50)	2851 ppb	☐
	Dex-cool Prestone	1 gal	U	Ethylene Glycol, water, 2-Ethyl Hexanoic Acid, Sodium Salt, Diethylene Glycol	906 ppb	☒
	Valspar latex porch & floor	1 gal	U	Titanium Dioxide, Heavy Paraffinic Oil	508 ppb	☐
	Rustoleum smoke gray	1 gal	U	Hydrotreated Light Distillate, Nanoscale Titanium Dioxide, Titanium Dioxide, Methyl Ethyl Ketoxime, Ethylbenzene, Naphtha, Hydrotreated Heavy,	581 ppb	☐
	Valspar signature paint and primer	1 gsl	U	Titanium Dioxide Cristobalite, respirable powder, Heavy Paraffinic Oil	371 ppb	☐
	castorine tena-film 150 TH Oil	5 gal	U	--	291 ppb	☐
	Baum's HT 40 II	50 gal	U	--	291 ppb	☐
	Baum's mascon 180 cutting oil	5 gal	U	--	232 ppb	☐
	Castorine tenafilm 300-MTH oil	5 gal	U	--	219 ppb	☐
	Castorine tena-film compound	5 gal	U	--	193 ppb	☐
	NAPA R&O Hydraulic oil	5 g	U	Severely Hydrotreated Heavy Naphthenic Petroleum Oil Non-Hazardous Materials	178 ppb	☐
	Catorine tenafilm EP-700	5g	U	--	226 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM07 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Flake calcium chloride	100 lbs	UO	Calcium Chloride, Water, Sodium Chloride, Potassium Chloride, Magnesium Chloride	186 ppb	☐
	Rustoleum cabinet transformation decal ⁺	32 OZ	U	Titanium Dioxide, Mica, 2,2,4-Trimethyl-1,3-Pentenediol Isobutyrate, Crystalline Silica/Quartz, Methano, Microcrystalline Cellulose	303 ppb	☐
	Rustoleum transformation decal ⁺	8 oz	U	Titanium Dioxide, Mica, 2,2,4-Trimethyl-1,3-Pentenediol Isobutyrate, Crystalline Silica/Quartz, Methano, Microcrystalline Cellulose ⁺	185 ppb	☐
	bond coat step 2	32 oz	U	Titanium Dioxide, Mica, 2,2,4-Trimethyl-1,3-Pentenediol Isobutyrate, Crystalline Silica/Quartz, Methano, Microcrystalline Cellulose	179 ppb	☐
	protective top coat step 4	32 oz	U	Titanium Dioxide, Mica, 2,2,4-Trimethyl-1,3-Pentenediol Isobutyrate, Crystalline Silica/Quartz, Methano, Microcrystalline Cellulose	185 ppb	☐
	Castorine EP-1000	5 gal	U	Unknown	191 ppb	☐
	castorine ach oil no 032	5 gal	U	Unknown	171 ppb	☐
	lubricating oil no EP-2500-ST	5 gal	U	Unknown	191 ppb	☐
	therma seal	Drum	U	Isocyanic Acid, Polymeric Diphenylmethane, Diphenylmethane Disocyanate and similar structure Oligomers	174 ppb	☐
	pioneer spray foam	drum	U	Unknown	160 ppb	☐
	project source spray paint flat black ⁺	10 oz	U	Acetone Propane Lt. Aliphatic Hydrocarbon Solvent ⁺	1085 ppb	☒
	rustoleum fluorescent orange	11 oz	U	Propane n-Butane Naphtha, Petroleum, Hydrotreated Light ⁺	959 ppb	☒
	project source spray paint gloss black ⁺	10 oz	U	Acetone, Propane, Butane, Toluene, Lt. Aliphatic Hydrocarbon Solvent, 1-2,4-Trimethylbenzene, Carbon Black Cumene	1179 ppb	☒
	AllPro Xylene	1 gal	U	Xylenes, mixed isomers, ethylbenzene, Cumene	675.5 ppm	☒
	rustoleum metal primer oil-based ⁺	1 gal	U	Hydrotreated Light Distillate, Hydrous Magnesium Silicate, Zinc, Phosphate, Wollastonite, Crystalline Silica/ Quartz, Zinc Oxide, Calcium Borate, Meth ⁺	1585 ppb	☐
	USG All purpose sheet rock	4.5 g	U	Limestone, Talc, Attapulgite, Mica, Perlite, Quartz (sand), Kaolin	6009 ppb	☐

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM07 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Rustoleum protective enamel c	32 oz	UO	Hydrotreated Light Distillate Titanium Dioxide Kaolin Clay	2180 ppb	☐
	Rustoleum protective enamel c	18 OZ	U	Hydrotreated Light Distillate Mineral Spirits Carbon Black	1498 ppb	☐
	Lubricant mobilux EP004	tube	U	2,6-Di-Tert-Butylphenol, Zinc Dithiophosphate	1509 ppb	☐
	Powermate air compressor oil	1 qt	U	distillates (petroleum) solvent-refined heavy naphthenic distillates (petroleum), hydrotreated	1428 ppb	☐
	Permatex anti sieze lubricant	8 oz	U	Acetone, Naphtha(Petroleum),Hydrotreated Light, Graphite, Calcium Oxide, Aluminium Powder, Heptane, Carbon Dioxide	65 ppm	☒
	Lubriplate gear shield extra he	11oz	U	Distillates (petroleum), hydrotreated heavy naphthenic,Residual oils (petroleum,) solvent- refined,zinc oxide,Carbon black	190 ppb	☐
	Valspar metallic gold	11 oz	U	Acetone, Cyclohexane, Xylenes, Copper, Ethylbenzene, Toluene	2305 ppb	☒
	Miracal premium spray enamel	8 oz	U	Propane, Butane, Toluene, Ethylbenzene, Xylene, Acetone, Carbon Black	2234 ppb	☒
	Rust-oleum high performance	14 oz	U	Toluene, Acetone, Aluminum Paste, Xylene, Stoddard Solvents, Propellant Acrylic Resin, Ethybenzene	811 ppb	☒
	Irwin strait-line marking chalk l	4 oz	U	Ultramarine blue Talc,Silica-Crystalline Quartz	0 ppb	☐
	Stanley marking chalk white	8 oz	U	Limestone/Calcium Carbonate,Crystalline SilicaBlue Chalk: Sodium Alumino Sulphosilicate/C.I. Pigment Blue 29,Red Chalk:	578 ppb	☐
	Rust-oleum ultimate polyureth	32 oz	U	N-Methyl2-pyrrolidone, Dipropylene Glycol Monobutyl Ether, Triethylamine, Polyether Siloxane, Dimethyethnanolamine	641 ppb	☒
	Traveller SAE 10W-40 Premium	5 qt	U	Benzenesulfonic acid, C10-60- alkyl derivs., sodium salts,Hydrotreated light paraffinic Distillate	398 ppb	☐
	Super Heavy DutyDegreaser	1 gal	U	Ethanol, 2-Butoxy, Potassium pyrophosphate, Diethylene glycol monobutyl ether, alcohol ethoxylate	2539 ppb	☐
	CLR Calcium ,Lime & Rust Rem	28 oz	U	Lactic Acid, Lauramine Oxide	315 ppb	☐
	Spray bottle with liquid not lab	32 oz	U	Unknown	492 ppb	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM07 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Lawson Hydraulic Sealant 9764	1.2	U	Cumene hydroperoxide	494 ppb	☐
	TAP MAGIC Cutting Fluid	1.5	U	Distillates (petroleum), hydrotreated light, Aliphatic Organic Ester, Cinnamal	434 PPB	☐
	3-in-one All- temp silicone	4	U	LVP Aliphatic Hydrocarbon, Poly(dimethylsiloxane)	478 ppb	☐
	Permatex Threadlocker Red	1.22	U	DIMETHYLBENZYL HYDROPEROXIDE, CUMENE	436 ppb	☒
	Elmer's Probond Wood Filler St	2	U	Isopropanol, Acetone, Methyl Ethyl Ketone, Limestone, Rosin, Nitrocellulose, petroleum	486 ppb	☒
	LUCAS Transmission fix	24 oz	U	Distillates (petroleum), solvent-refined heavy naphthenic	395 ppb	☐
	Rust-Oleum Farm Equipment	1.2	U	Acetone, Propane, n-Butane, Dimethyl Carbonate, Xylenes (o-, m-, p- isomers), n-Butyl Acetate, Naphtha, Petroleum, Hydrotreated Light ,	228 ppb	☒
	Cristy Dry gas Galine Anti-Freez	1.2	U	-	329 ppb	☐
	JASCO Premium Paint & Epoxy	1 Qt	U	Dichloromethane, Methanol, Stoddard solvent	1015 ppb	☐
	Rust-Oleum Professional high t	120	U	Mineral Spirits, Ethylbenzene	403 ppb	☒
	300 MTH (not labeled)	-	U	-	397 ppb	☐
	Bondo body filler	7 lb	U	Polyester Resin, Talc, Styrene Monomer, Magnesium Carbonate, Sodium Silicate, Organophilic Phyllosilicate, Limestone, Chlorite	3014 ppb	☐
	Car Quest Brake parts cleaner	14 oz	U	3-Methylhexane, n-Heptane, Methylcyclohexane, Naphtha (petroleum), hydrotreated light, Cyclohexane, Isopropyl alcohol , Carbon dioxide,	645 ppb	☐
	GE kitchen and bath projects A	10.1	U	Petroleum distillates, hydrotreated light, Titanium dioxide	340 ppb	☐
	Relton Rapid Tap Cutting Fluid	16	U	Mineral oil, C14-C16 chlorinated paraffin , Calcium sulfonate	281 ppb	☐
	Gunk Break parts Cleaner	14	U	2-PROPANONE , Carbon Dioxide, Heptane	1075 ppb	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM07 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13340
 Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Loctite SI 596RD Red High Tem	10.1	U	Distillates (petroleum), hydrotreated middle, Silicon dioxide, Norflurane, Siloxanes and Silicones, di-Me, Diiron trioxide, Methylsilanetri	115 ppb	☐
	Rock River 100% RTV Silicone B	—	U	Hydroxy-terminated Dimethylsiloxane, Amorphous silica (glass), Polydimethylsiloxane, Methyltriacetoxysilane, Titanium Dioxide, Iron(III)	246 ppb	☐
	Clear- Seal Concrete Protective	1gal	U	—	251 ppb	☐
	Castrol GTX 10W-40	1.5 gal	U	highly refined base oil, Distillates (petroleum), hydrotreated, heavy paraffinic	189 ppb	☐
	Waste Oil (not labeled)	55 Gal	U	—	199 ppb	☐
	Great Value Glass Cleaner	32	U	Ethylene glycol, monobutyl ether acetate, ammonia	270 ppb	☐
	Zep Chemical Resistant Spraye	32	U	—	368 ppb	☐
	Northern Safety Industrial lens	—	U	isopropyl alcohol, ethylene glycol monobutyl ether	272 ppb	☐
	Lysol Bathroom Cleaner	28	U	1-propan-2-ol, citric acid, glycolic acid	200 ppb	☐
	Castorine Tena-Film (EP-700)	—	U	—	235 ppb	☐
	Hi- Tach heavy duty oil stabilize	1qrt	U	Lubricating oils, petroleum, c>25, hydrotreated bright stock-based	264 ppb	☐
	Krylon Color Maxx Paint +Primi	12	U	Acetone, Propane, Ethylbenzene, Dimethyl Carbonate, Butane, Talc, 2-Methyl-1-propanol, Titanium Dioxide, Lt. Aliphatic Hydrocarbon	310 ppb	☒
	CRC Belt Conditioner	7.5	U	2-methylpentane, liquefied petroleum gas, naphtha (petroleum), hydrotreated light, polyisobutylene, n-hexane, 2,2-dimethylbutane	277 ppb	☐
	Berkley Jensen Ultra Dishwash	100	U	—	187 ppb	☐
	Fantastik Scrubbing Bubbles Bl	1 Qt	U	Sodium carbonate, Sodium hypochlorite, Sodium chloride, Lauryl dimethyl amine oxide	196 ppb	☐
						☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM07 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-24/IDA-2	Seventh Generation Natural Glass Cleaner 	32	U	water, caprylyl/myristyl glucoside, sodium gluconate, benzisothiazolinone, methylisothiazolinone	205 ppb	☐
	Lysol Clean & Fresh Multi-Surface Disinfectant 	144	U	Alcohols, C10-16, ethoxylated Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	248 ppb	☐
	Maintex All in one Orange Oxidant 	32	U	Alkylpolyglycoside	291 ppb	☐
	Keep it 100 OG Blue	-	U	Vegetable Glycerin, Synthetic nicotine, Propylene Glycerin	188 ppb	☐
	Rigid Dark Thread Cutting oil	1 Gal	U	Mineral oil	527 ppb	☐
	Ultra Synthetic Rotary Coolant	1.32 Gal	U	-	321 ppb	☐
	USG Sheetrock All Purpose Topping 	4.5 Gal	U	Limestone, Talc, Attapulgit, Mica, Perlite, Quartz (sand), Kaolin	0	☐
	Amerigas Propane Exchange Tank 	15.01 lbs 	UO	Propane, Ethane, Butane, Isobutane	0	☐
	Bayer Brush Killer	1.3 Gal	U	Triclopyr, triethylamine salt, Ethanol	322 ppb	☐
	Weldwood contact cement	3.8L	U	Toluene, Distillates (petroleum), light distillate hydrotreating process, low-boiling Methyl ethyl ketone, Petroleum hydrocarbon resin, 	16.49 ppb	☒
	Road Runner	18.41 kg	UO	Unknown	0	☐
						☐
						☐
						☐
						☐
						☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01

Building Code: MB-RM07 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No:

City: Utica State: NY Zip: 13340 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

☐ Air Fresheners? Description/Location of Air Freshener:

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

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

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

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

☐ Recent Painting/Staining? Location of New Painting:

☒ Solvent or Chemical Odors? Describe Odors (if any): strong exhaust and machinery odor

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: acetone, ethanol, toluene, hexane, paint

☐ Recent Pesticide/Rodenticide? Description of Last Use:

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

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

☒ Any Prior Testing For VOCs? If So, When?: 03/30/2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.95 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM07 Address: 2200 Bleecker St Utica , NY 13340

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal Sampler Company Code: ERM
Sample Collection Date: Mar 30, 2022 Date Samples Sent To Lab: Mar 31, 2022
Sample Chain of Custody Number: Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-24(03302022)	IDA-2R(03302022)	ODA-03(03302022)		
Location Code:	SSV-24	IDA-2R	ODA-03		
Location Type:	SUBSLAB	FIRST FLOOR	OUTDOOR		
Canister ID:	622	3599	2932		
Regulator ID:	01177	02253	02247		
Matrix:	Subslab Soil Vapor	Indoor Air	Ambient Outdoor Air		
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING		

Sampling Area Info

Slab Thickness (inches):	8				
Sub-Slab Material:	FILL				
Sub-Slab Moisture:	DRY				
Seal Type:	NONE				
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 9:12	03/30/2022	03/30/2022		
Vacuum Gauge Start:	-30.13	-30.09	-30.36		
Sample End Date/Time:	03/31/2022 17:00	03/31/2022	03/31/2022		
Vacuum Gauge End:	-21.96	-8.79	-6.63		
Sample Duration (hrs):	24	24	24		
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	0.0				
Purge PID Unit:	ppb				
Tracer Test Pass:	☐	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



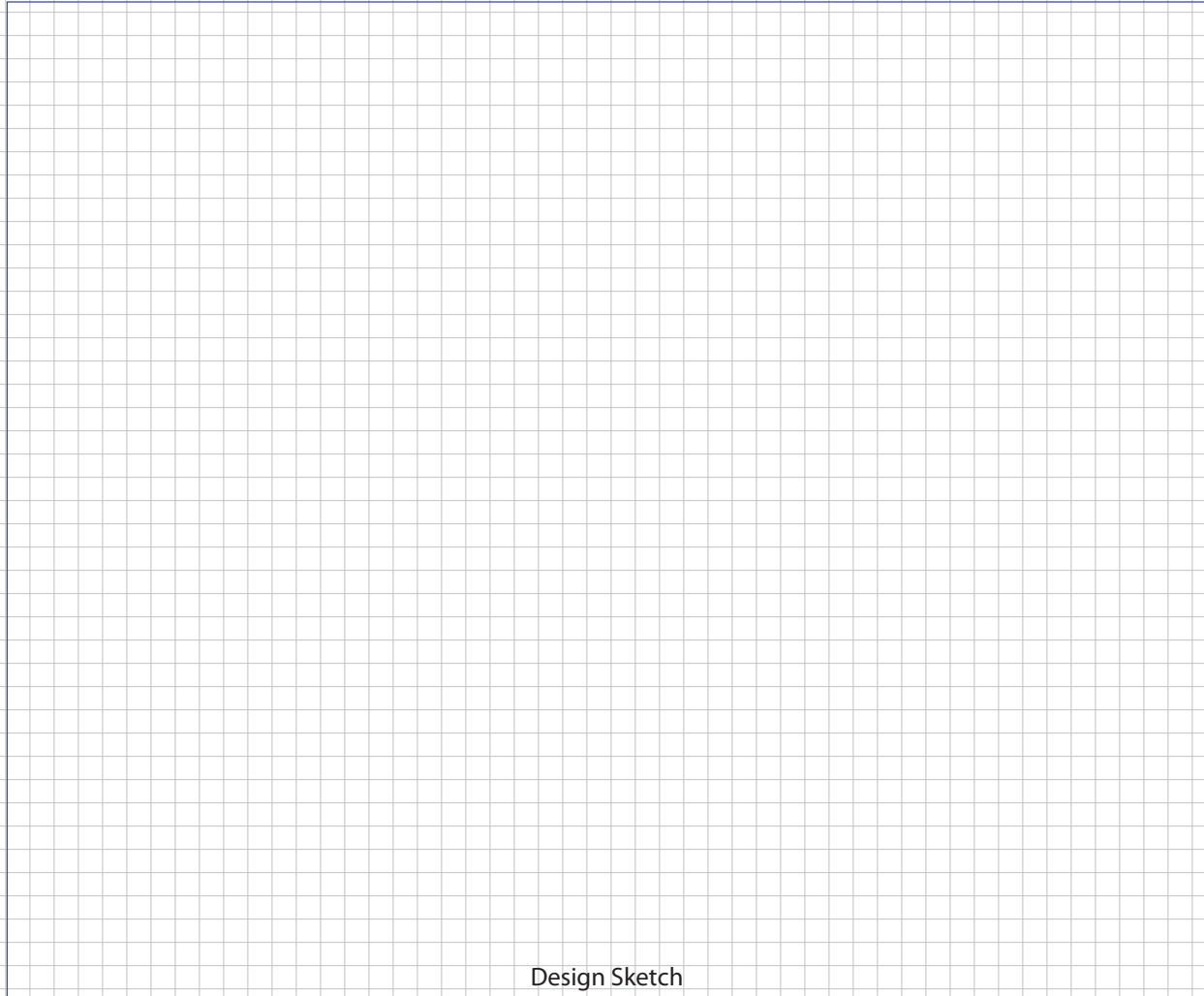
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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

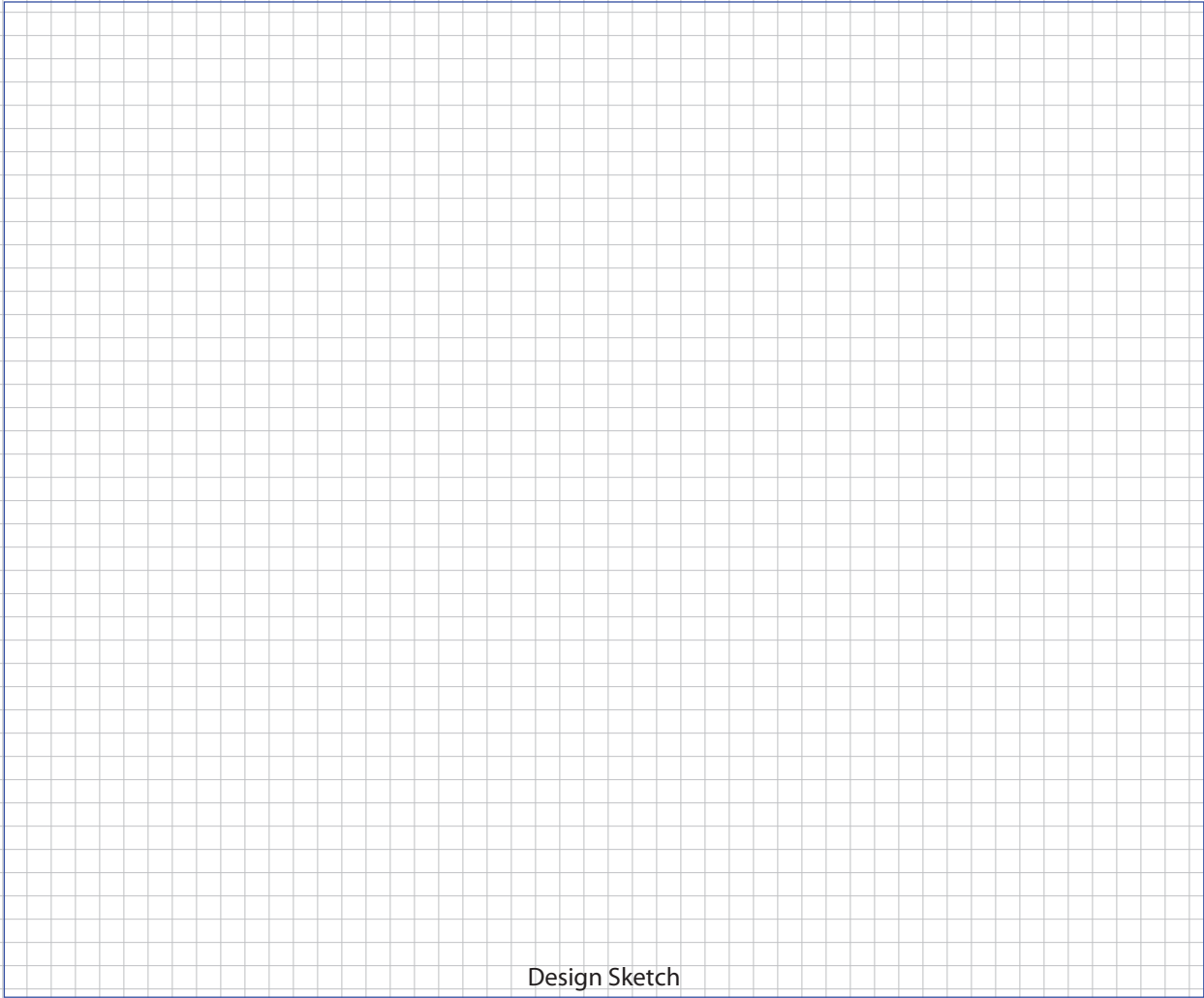


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM01 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315) 552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Cindy Mullen Affiliation: TENANT
Phone No: (315) 717-4954 Alt. Phone No: _____ Email: _____
Number of Occupants (total): 15 Number of Children: 0
☒ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM01 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: MiniRae 3000 11.7 eV lamp Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-5/IDA-10	SCJohnson Fantastik multi surf	1 Qt	U	Diisopropanolamine, Alkyl dimethyl benzyl ammonium chloride	132 ppb	☐
SSV-28/IDA-7F	Betco Deep blue glass and surf	32 Fl oz	U	2-butoxyethanol, ammonia, Alcohols, C10-16, ethoxylated, sulfates, sodium salts	137 ppb	☐
	Quaker state defy SAE 10W-30	5 Qt	U	Interchangeable low viscosity base oil, Alkaryl amine	152 ppb	☐
	Red Max	—	U	—	135 ppb	☐
	Firewater Pre-Treater Ice-Melte	1 Gal	U	Glycol Ether EB, Sodium Metasilicate, Surfactant blend, Sodium Tripolyphosphate, D-Limonene	117 ppb	☐
	Swish Miracle disinfectant spra	1 Qt	U	Diethylene glycol monobutyl ether, Tetrasodium ethylenediamine tetra acetic acid, Alkyl dimethyl ethylbenzyl ammonium chloride, Alkyl dimethy	264 ppb	☐
	Enviro Solutions ES74 spray an	1 US Qt	U	Alcohol Ethoxylate, Sodium Carbonate, Surfactant, Tetrasodium Iminodisuccinate, Aspartic acid, disodium salt, Fragrance, Disodium fumarate, Dye	304 ppb	☐
	Harbor Point energy products	—	U	—	313 ppb	☐
	RMC Quat Plus TB	1 Qt	U	Diethylene glycol butyl ether, Tetrasodium EDTA	308 ppb	☐
	Enviro Solutions Heavy duty cle	1 US Gal	U	Water, Alcohol ethoxylate, Sodium tetraborate pentahydrate, Sodium gluconate, Sodium metasilicate, Surfactant, Citric Acid, FD&C Red #4	371 ppb	☐
	Amerigas	—	—	—	61 ppb	☐
	Hudson Valley natural backpac	4 Gal	U	—	263 ppb	☐
	Penreco Amber Pet USP 27180	386 Lb	UO	—	0ppb	☐
	Petrolatum Amber O/S	386.0 Lb	UO	—	0ppb	☐
	black flag fogging insecticides	32 oz	U/UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	134 ppb	☐
	backyard bug control- fogging	—	UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	0 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM01 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: hand sanitizer, disinfectant spray

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

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

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

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Strong smell of exhaust

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Grease cutting solvent

☒ Recent Pesticide/Rodenticide? Description of Last Use: Pesticides are stored in this warehouse area

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

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

☒ Any Prior Testing For VOCs? If So, When?: 3/30/2022

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM01

Address: 2200 Bleecker St Utica, NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal

Sampler Company Code: ERM

Sample Collection Date: Mar 30, 2022

Date Samples Sent To Lab: Mar 31, 2022

Sample Chain of Custody Number:

Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-5(03302022)	IDA-10R(03302022)	SSV-28(03302022)	IDA-7R(03302022)	ODA-03(03302022)
Location Code:	SSV-5	IDA-10R	SSV-28	IDA-7R	ODA-03
Location Type:	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR	OUTDOOR
Canister ID:	3603	1219	2101	3266	2932
Regulator ID:	0226	1657	02207	01405	2247
Matrix:	Subslab Soil Vapor	Indoor Air	Subslab Soil	Indoor Air	Indoor Air
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING

Sampling Area Info

Slab Thickness (inches):	8		8		
Sub-Slab Material:	FILL		FILL		
Sub-Slab Moisture:	DRY		DRY		
Seal Type:	NONE		MECHANICAL		
Seal Adequate?:	☒	☐	☒	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 12:00	03/30/2022 12:00	03/30/2022 12:00	03/30/2022 12:00	03/30/2022 12:00
Vacuum Gauge Start:	-30.28	-30.14	-30.09	-30.02	-30.36
Sample End Date/Time:	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00
Vacuum Gauge End:	-9.94	-7.32	-0.25	-10.55	-6.63
Sample Duration (hrs):	24	24	24	24	24
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	in(hg)

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☒	☐	☐
Purge PID Reading:	0.0		0.0		
Purge PID Unit:	ppm		ppm		
Tracer Test Pass:	☐	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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

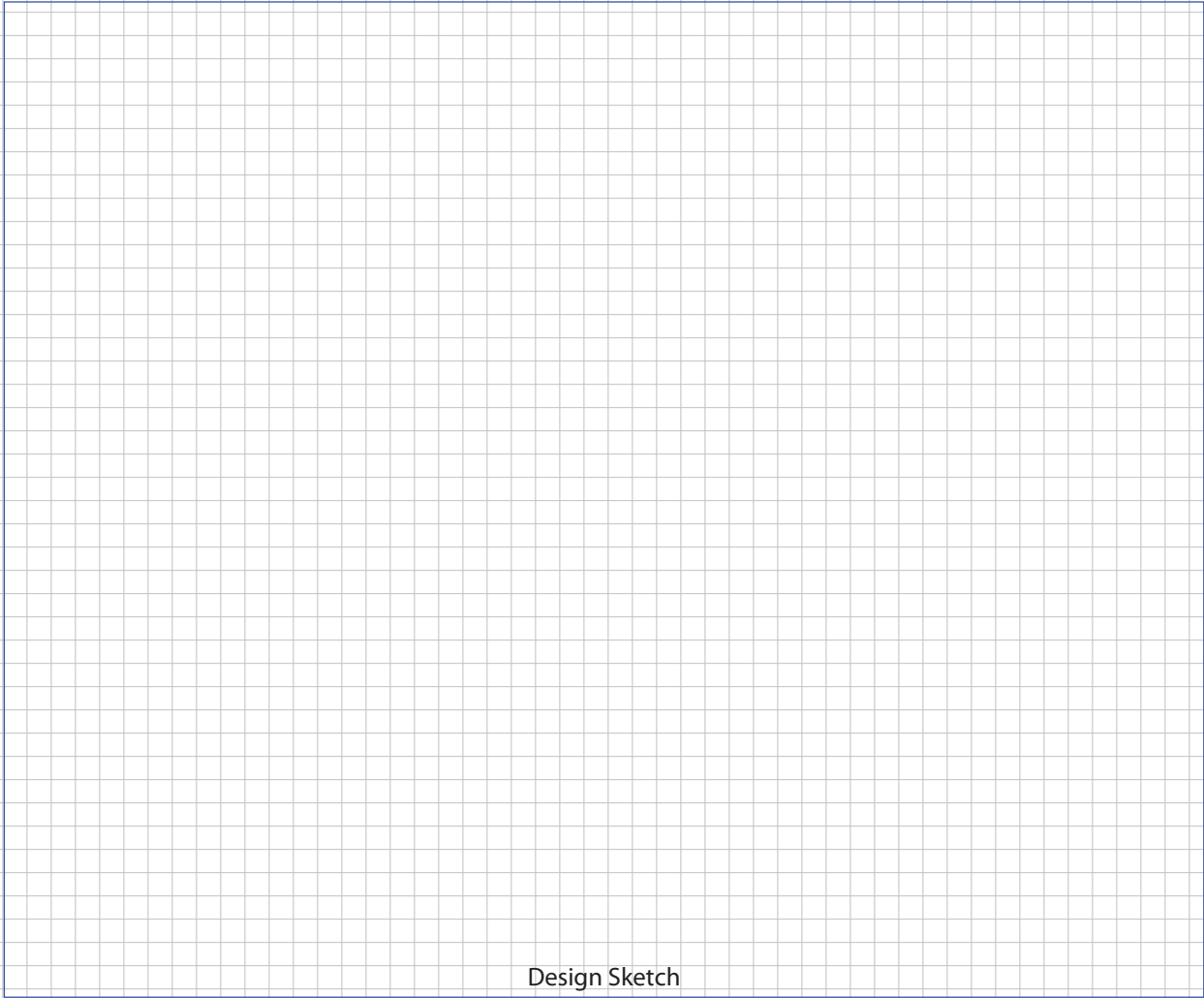


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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



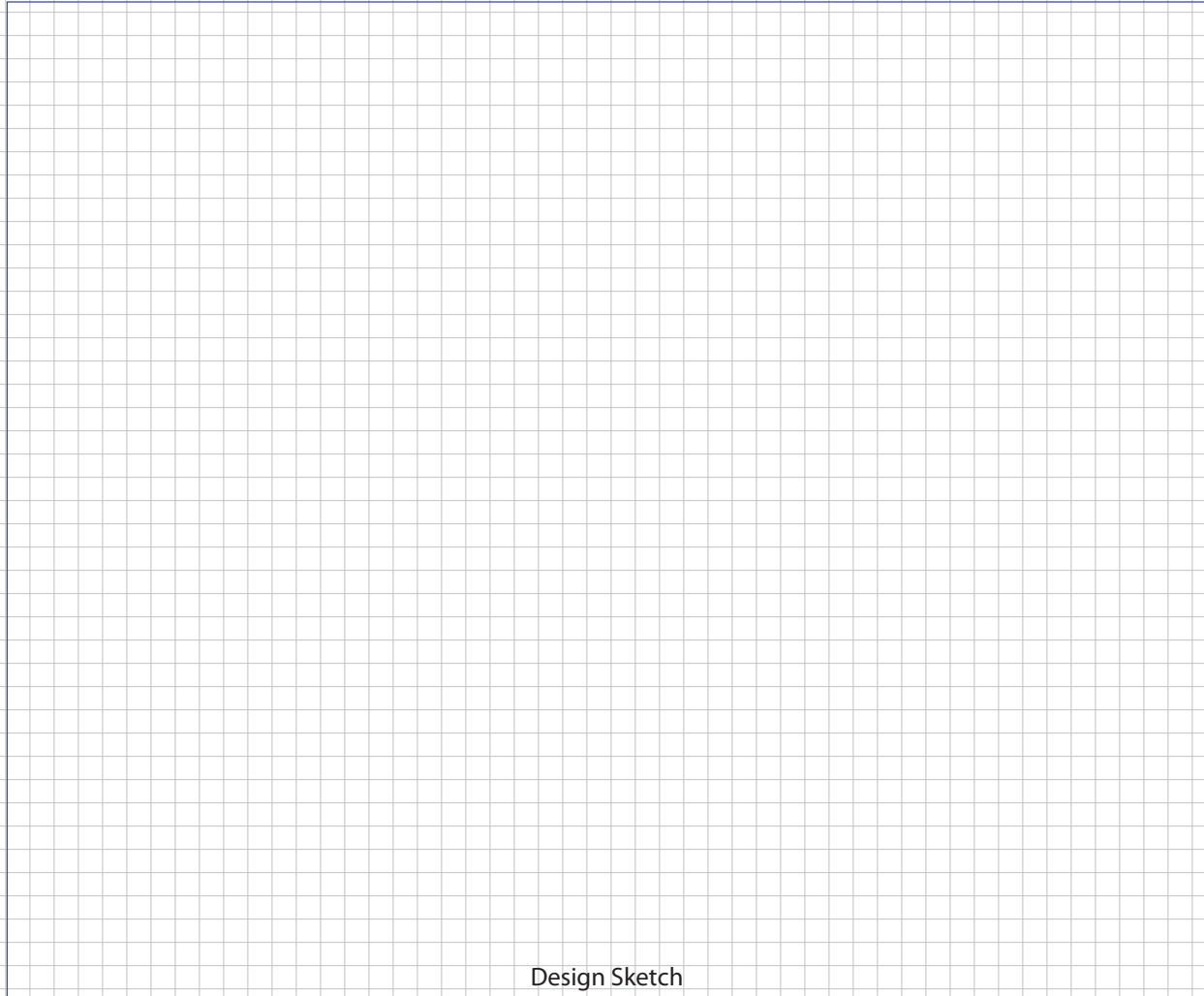
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM02 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315) 552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Cindy Mullen Affiliation: TENANT
Phone No: (315) 717-4954 Alt. Phone No: _____ Email: _____
Number of Occupants (total): 15 Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM02 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-27/SSV-28	SCJohnson Fantastik multi surf	1 Qt	U	Diisopropanolamine, Alkyl dimethyl benzyl ammonium chloride	132 ppb	☐
	Betco Deep blue glass and surf	32 Fl oz	U	2-butoxyethanol, ammonia, Alcohols, C10-16, ethoxylated, sulfates, sodium salts	137 ppb	☐
	Quaker state defy SAE 10W-30	5 Qt	U	Interchangeable low viscosity base oil, Alkaryl amine	152 ppb	☐
	Red Max	-	U	-	135 ppb	☐
	Firewater Pre-Treater Ice-Melte	1 Gal	U	Glycol Ether EB, Sodium Metasilicate, Surfactant blend, Sodium Tripolyphosphate, D-Limonene	117 ppb	☐
	Swish Miracle disinfectant spra	1 Qt	U	Diethylene glycol monobutyl ether, Tetrasodium ethylenediamine tetra acetic acid, Alkyl dimethyl ethylbenzyl ammonium chloride, Alkyl dimethyl	264 ppb	☐
	Enviro Solutions ES74 spray an	1 US Qt	U	Alcohol Ethoxylate, Sodium Carbonate, Surfactant, Tetrasodium Iminodisuccinate, Aspartic acid, disodium salt, Fragrance, Disodium fumarate, Dye	304 ppb	☐
	Harbor Point energy products	-	U	-	313 ppb	☐
	RMC Quat Plus TB	1 Qt	U	Diethylene glycol butyl ether, Tetrasodium EDTA	308 ppb	☐
	Enviro Solutions Heavy duty cle	1 US Gal	U	Water, Alcohol ethoxylate, Sodium tetraborate pentahydrate, Sodium gluconate, Sodium metasilicate, Surfactant, Citric Acid, FD&C Red #4	371 ppb	☐
	Amerigas	-	-	-	61 ppb	☐
	Hudson Valley natural backpack	4 Gal	U	-	263 ppb	☐
	Penreco Amber Pet USP 27180	386 Lb	UO	-	0ppb	☐
	Petrolatum Amber O/S	386.0 Lb	UO	-	0ppb	☐
	black flag fogging insecticides	32 oz	U/UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	134 ppb	☐
	backyard bug control- fogging	-	UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	0 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM02 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: hand sanitizer, disinfectant spray

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

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

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

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Strong smell of exhaust

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Grease cutting solvent

☒ Recent Pesticide/Rodenticide? Description of Last Use: Pesticides are stored in this warehouse area

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

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

☒ Any Prior Testing For VOCs? If So, When?: 03/30/2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM02 Address: 2200 Bleecker St Utica, NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Emily Paye Sampler Company Code: ERM
Sample Collection Date: Mar 30, 2022 Date Samples Sent To Lab: Mar 30, 2022
Sample Chain of Custody Number: Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-25(03302022)	IDA-6(03302022)	ODA-03(03302022)		
Location Code:	SSV-25	IDA-6	ODA-03		
Location Type:	SUBSLAB	FIRST FLOOR	OUTDOOR		
Canister ID:	3597	1991	2932		
Regulator ID:	01461	01491	02247		
Matrix:	Subslab Soil Vapor	Indoor Air	Ambient Outdoor Air		
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING		

Sampling Area Info

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

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 0:00	03/30/2022 0:00	03/30/2022 0:00		
Vacuum Gauge Start:	-30.64	-30.22	-30.36		
Sample End Date/Time:	03/31/2022 11:00	03/31/2022 11:00	03/31/2022 11:00		
Vacuum Gauge End:	-9.77	-8.6	-6.63		
Sample Duration (hrs):	24	24	24		
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	151.6				
Purge PID Unit:	ppm				
Tracer Test Pass:	☐	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



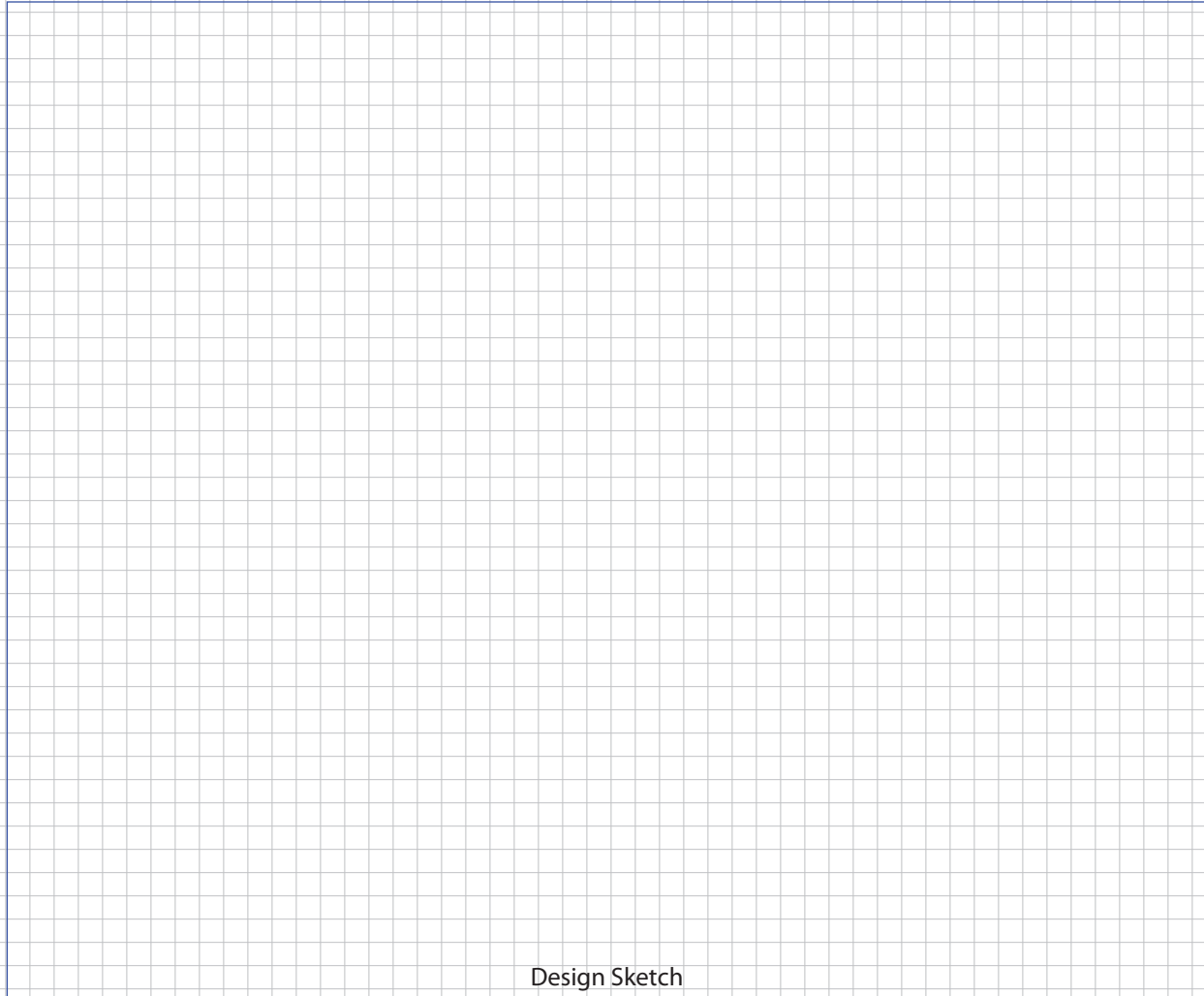
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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

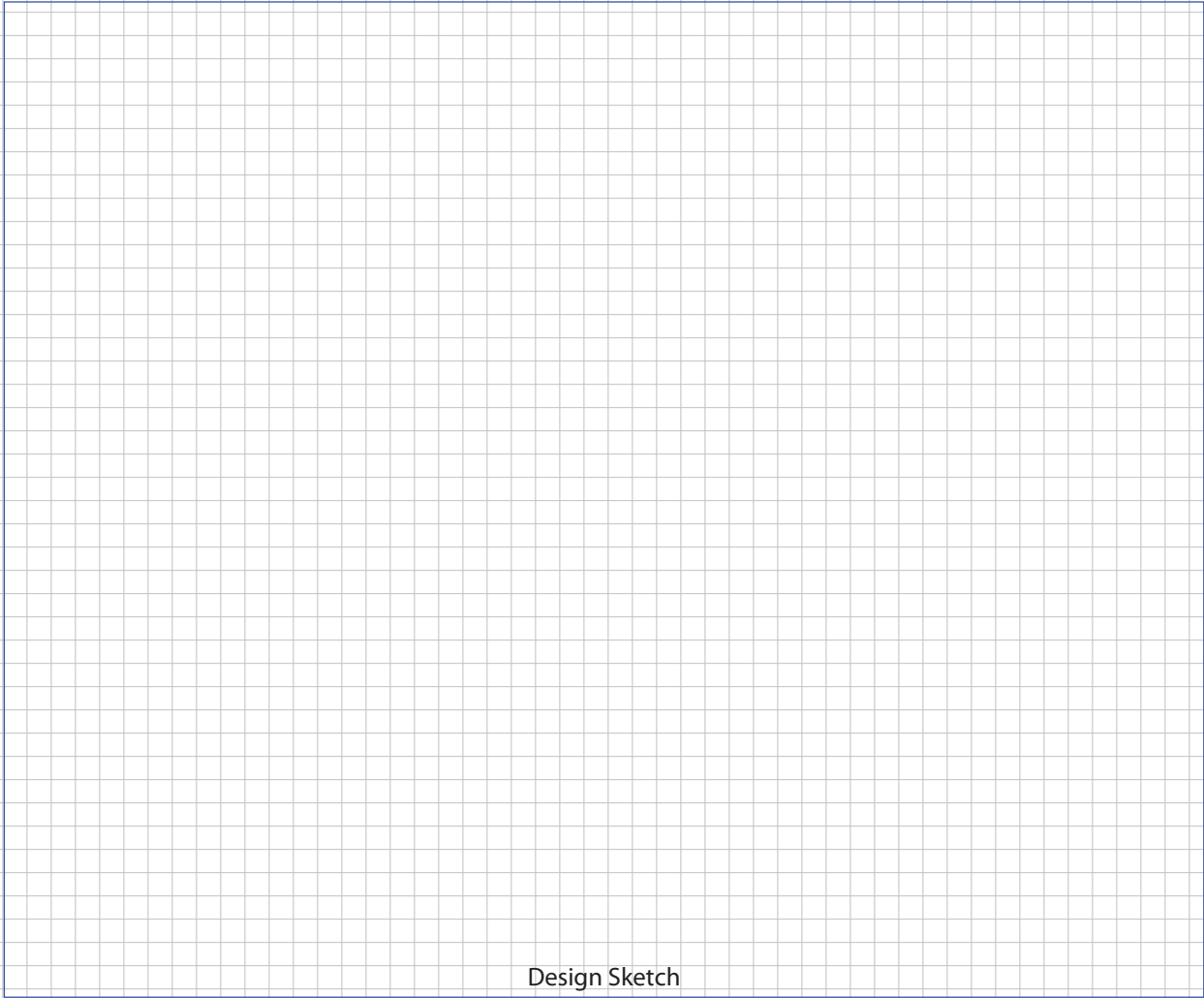


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM02 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13440 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315) 552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Cindy Mullen Affiliation: TENANT
Phone No: (315) 717-4954 Alt. Phone No: _____ Email: _____
Number of Occupants (total): 15 Number of Children: 0
☒ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM02 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13440

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-27/SSV-26	SCJohnson Fantastik multi surf	1 Qt	U	Diisopropanolamine, Alkyl dimethyl benzyl ammonium chloride	132 ppb	☐
	Betco Deep blue glass and surf	32 Fl oz	U	2-butoxyethanol, ammonia, Alcohols, C10-16, ethoxylated, sulfates, sodium salts	137 ppb	☐
	Quaker state defy SAE 10W-30	5 Qt	U	Interchangeable low viscosity base oil, Alkaryl amine	152 ppb	☐
	Red Max	-	U	-	135 ppb	☐
	Firewater Pre-Treater Ice-Melte	1 Gal	U	Glycol Ether EB, Sodium Metasilicate, Surfactant blend, Sodium Tripolyphosphate, D-Limonene	117 ppb	☐
	Swish Miracle disinfectant spra	1 Qt	U	Diethylene glycol monobutyl ether, Tetrasodium ethylenediamine tetra acetic acid, Alkyl dimethyl ethylbenzyl ammonium chloride, Alkyl dimethyl	264 ppb	☐
	Enviro Solutions ES74 spray an	1 US Qt	U	Alcohol Ethoxylate, Sodium Carbonate, Surfactant, Tetrasodium Iminodisuccinate, Aspartic acid, disodium salt, Fragrance, Disodium fumarate, Dye	304 ppb	☐
	Harbor Point energy products	-	U	-	313 ppb	☐
	RMC Quat Plus TB	1 Qt	U	Diethylene glycol butyl ether, Tetrasodium EDTA	308 ppb	☐
	Enviro Solutions Heavy duty cle	1 US Gal	U	Water, Alcohol ethoxylate, Sodium tetraborate pentahydrate, Sodium gluconate, Sodium metasilicate, Surfactant, Citric Acid, FD&C Red #4	371 ppb	☐
	Amerigas	-	-	-	61 ppb	☐
	Hudson Valley natural backpac	4 Gal	U	-	263 ppb	☐
	Penreco Amber Pet USP 27180	386 Lb	UO	-	0ppb	☐
	Petrolatum Amber O/S	386.0 Lb	UO	-	0ppb	☐
	black flag fogging insecticides	32 oz	U/UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	134 ppb	☐
	backyard bug control- fogging	-	UO	SUMITHRIN® (d-Phenothrin), Piperonyl Butoxide (PBO), Petroleum distillates, hydrotreated light, White mineral oil, petroleum	0 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM02 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13440 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: hand sanitizer, disinfectant spray

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

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

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

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

☒ Solvent or Chemical Odors? Describe Odors (if any): Strong smell of exhaust

☒ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Grease cutting solvent

☒ Recent Pesticide/Rodenticide? Description of Last Use: Pesticides are stored in this warehouse area

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

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

☒ Any Prior Testing For VOCs? If So, When?: 03/30/2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19.0 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.5 in(hg)

Product Inventory Complete? ☐ Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM02

Address: 2200 Bleecker St Utica, NY 13440

Sampling Information

Sampler Name(s): Olivia Botting, Emily Paye

Sampler Company Code: ERM

Sample Collection Date: Mar 30, 2022

Date Samples Sent To Lab: Mar 30, 2022

Sample Chain of Custody Number:

Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-27(03302022)	IDA-3R(03302022)	SSV-26(03302022)	IDA-5R(03302022)	ODA-03(03302022)
Location Code:	SSV-27	IDA-3R	SSV-26	IDA-5R	ODA-03
Location Type:	SUBSLAB	FIRST FLOOR	SUBSLAB	FIRST FLOOR	OUTDOOR
Canister ID:	2979	3390	2649	1537	2932
Regulator ID:	01476	01784	01780	0413	02247
Matrix:	Subslab Soil Vapor	Indoor Air	Subslab Soil	Indoor Air	Ambient Outdoor Air
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING

Sampling Area Info

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

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 11:00	03/30/2022 11:00	03/30/2022 11:00	03/30/2022 11:00	03/30/2022 11:00
Vacuum Gauge Start:	-30.2	-30.14	-30.41	-29.97	-30.36
Sample End Date/Time:	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00	03/31/2022 14:00
Vacuum Gauge End:	-11.43	-8.29	-13.42	-10.52	-6.63
Sample Duration (hrs):	24	24	24	24	24
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)	in(hg)	in(hg)

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☒	☐	☐
Purge PID Reading:	0.0		1465.0		
Purge PID Unit:	ppm		ppb		
Tracer Test Pass:	☐	☐	☐	☐	☐

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

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Design Sketch

Design Sketch Guidelines and Recommended Symbolology

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Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

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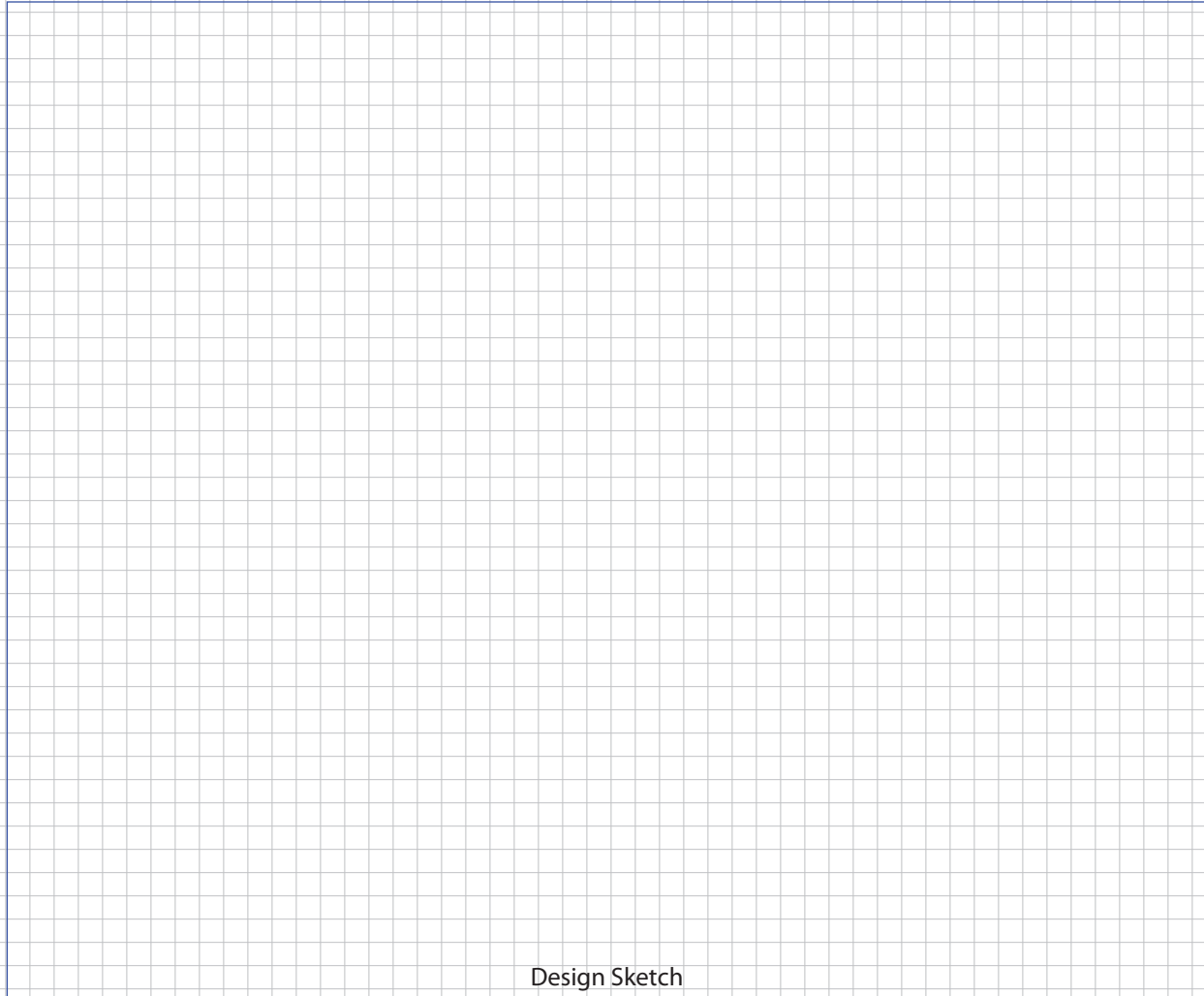
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

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Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumatic Site Code: 622003 Operable Unit: 01
Building Code: MB-RM08 Building Name: Main Building
Address: 2200 Bleecker St Apt/Suite No: _____
City: Utica State: NY Zip: 13340 County: Herkimer

Contact Information

Preparer's Name: Olivia Botting Phone No: (315)552-8484
Preparer's Affiliation: ERM Consulting and Engineering Company Code: ERM
Purpose of Investigation: SVI Sampling Date of Inspection: Mar 30, 2022
Contact Name: Tryntjie Chrysler Affiliation: TENANT
Phone No: (315)724-9896 Alt. Phone No: (315)570-6961 Email: tryntjiec@htcorp.net
Number of Occupants (total): 40 Number of Children: 0
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Randolph B. Soggs Owner Phone: (315) 724-0000
Owner Mailing Address: PO Box 684 New Hartford, NY 13413

Building Details

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

Foundation Description

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

Heating / Cooling / Ventilation Systems

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

Vented Appliances

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM08 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13340
 Make and Model of PID: PPB Rae +3000 Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-11/IDA-1	Spartan Chewing gum remove	6.5 oz	UO	Propane, Butane	0	☐
	Diversity Gum Remover	6.5 oz	UO	Butane, Propane, Ethyl Alcohol	0	☐
	Alphachemical Hand Sanitizer	1 Gal	U	Alcohol 80%	1008 ppb	☐
	Easy Paks Neutral Cleaner	2.81 lb	U	Citric acid, sodium carbonate, benzenesulfonic acid, mono-C-10-16-alkyl derivatives, sodium salts, alcohol, C9-C11, ethoxylated, sodium	470 ppb	☐
	Swish Zenith Burnishing Creme	16 fl oz	U	Nonylphenolpolyethoryethanol, d-Limonene, Polypropylene Glycol, Polyethylene Glycol	130 ppb	☐
	safetec sanizide surface disinfe	1.31 lb	U	Ethanol, Didecyl Dimethyl Ammonium Chloride	29 ppb	☐
	Tru shot power cleaner and de	10 fl oz	UO	Benzyl alcohol, Sodium C14-17 Alkyl Sec Sulfonate, Diisopropanolamine, Ethyleneglycol monohexylether, Propylene glycol n-propyl ether	0	☐
	Tru shot multisurface, restroom	10 fl oz	UO	Alkyl dimethyl benzyl ammonium chloride, Alcohols, C9-11, ethoxylated, Tetrasodium ethylene diamine tetraacetate, ethyl acohol	0	☐
	Tru shot restroom cleaner	10 fl oz	UO	Citric acid, Fatty alcohol alkoxyate EO-7, Lactic Acid, Ethoxylated Linear Alcohol 9 EO, Benzyl Salicylate	0	☐
	Sc Johnson heavy duty neutral	2.09 Qt	UO	Fatty alcohol alkoxyate EO+7, ethoxylated linear alcohol 9 EO, sodium exylene sulfonate	0	☐
	clean on the go xcelente	67.6 oz	U	Water, C9-11 Pereth-6, isopropyl alcohol, sodium caprylyl sulfonate, Tetrasodium EDTA, Fragrance, Terpeneol Acetate, 7-Octen-2-ol, 2-Methyl-6-	17.07 ppm	☐
	Clean on the go peroxy	67.6 oz	U	Water, undeceth-3, hydrogen persoxide, C9-11 Pareth-6, Poly(oxy-1,2-ethanediyl) a,a-[[[3-(decyloxy)propyl]methyliminio]di-2,1-ethane	3101 ppb	☐
	spartan chlorinated degreaser	1 US Gal	U	water, sodium hypochlorite, potassium hydroxide, sodium silicate, sodium ethylhexyl sulfate	2550 ppb	☐
	clean on the go glass cleaner	1 US Gal	U	water, Caprylyl/Carpyl Glucoside, cocamidopropyl hydroxysultaine, Lauryl Glucoside, Sodium Carbonate, Citric Acid, Fragrance, Ethylene	155 ppb	☐
	super blast horn/klaxon	8 oz	U	1,1-difluoroethane	120 ppb	☐
	Traveller SAE SW-30 premium r	2 Gal	U	Petroleum distillates, solvent dewaxed heavy paraffinic	167 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM08 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-11/IDA-1	Airlift odor eliminator	1 Lb	U	water, isopropyl alcohol, C9-11 Pareth-6, Alkyl C12-16 dimethylbenzyl ammonium chloride, fragrance, phenethyl alcohol, linalool, +	1980 ppb	☐
	Spartan Foamy Q&A acid disinfectant +	1 Qt	UO	water, phosphoric acid, diethylene glycol monobutyl ether, hydroxyacetic acid, alcohol ethoxylate, cocamidopropyl hydrolysulfate, alkyl +	4578 ppb	☐
	Purell Surface disinfecting wipe +	2.14 lbs	UO	ethyl alcohol, isopropyl alcohol	0	☐
	purell hand sanitizer	-	U	ethanol, propan-2-ol	0	☐
	Liten foamy cranberry ice hair, +	1 Gal	U	water, sodium (C-14-16) olefin sulfonate	0	☐
	Bio renewables Glass cleaner	1 Gal	U	water, caprylyl/capryl glucoside, cocamidopropyl hydroxysulfate, Lauryl Glucoside, Sodium Carbonate, Citric Acid, Fragrance, Ethylene +	0	☐
	promatte floor protectant finish +	1 Gal	U/UO	water, acrylate copolymer, ethoxydiglycol, tributoxymethyl phosphate, ethylene copolymer, polyethylene wax, Zinc ammonium carbonate +	0	☐
	CDC-10 clinging disinfectant cleaner +	1 Qt	U	water, butoxydiglycol, pentasodium triphosphate, imidazolium compounds, lauramine oxide, dicapryl/dicaprylyl dimonium chloride, sodium +	0	☐
	Scotchgard liquid stain remover +	1 Qt	U	water, hydrogen peroxide, polymer resin, sodium lauryl sulfate, 1-methoxypropan-2-ol	0	☐
	The fixx high solids floor finish +	1 Gal	U/UO	water, acrylic polymer, ethoxydiglycol, tributoxymethyl phosphate, PPG-2 Propyl Ether, Polyethylene Polymer, Zinc Ammonium Carbonate +	0	☐
	Split! restorative cleaner	1 Gal	U/UO	Sodium Salt, Phosphoric Acid	0	☐
	Swish aromx35 Bio-enzymatic cleaner +	32 US fl oz +	U	Alcohols, C9-11, ethoxylated(C9-11 PARETH-3), Water (65-75%)/ Tetrasodium ethylene diamine tetraacetate (<1%)	0	☐
	simoniz stryke force	1 US Qt	U/UO	Water, 2-Butoxy Ethanol, Sodium Metasilicate, Coco Diethanolamide, D-Limonene	0	☐
	Clean on the go hdqC2	1 Gal	U	dialkyl dimethyl ammonium chloride, alkyl dimethyl benzyl ammonium chloride, ethanol, tetrasodium ethylenediaminetetraacetate, alcohol +	0	☐
	EnviroSolutions antistat	5.00 Gal	U	Choline Chloride (2%)/Lithium Chloride (1%), Ethene homopolymer oxidized (20-25 %), Diethyl ethanolamine oleate (5-10%), Dipropylene glycol +	0	☐
	Sparclean sure step no rinse emulsifier +	1 Gal	U/UO	water, Sodium Xylenesulfonate, C9-11 Pareth-6, Tetrasodium EDTA, Lauramine Oxide, Citric Acid, Lipase, Fragrance, Orange Terpenes, +	0	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM08 Date: Mar 30, 2022

Bldg Address: 2200 Bleecker St Apt/Suite No:

Bldg City/State/Zip: Utica NY, 13340

Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-11/IDA-1	Simoniz Lime scale remover	1 Gal	U/UO	water, Phosphoric Acid, Sulfamic Acid	0	☐
	High shine no buff no scuff floor polish	1 Gal	UO	water, Ethylene/Acrylic Acid Copolymer, C12-14 Sec-Pareth-9, Methylchloroisothiazolinone, Acid Blue 25, Methylisothiazolinone, Fragrance	53 ppb	☐
	commercial strength Murphy's Oil Soap	1 Gal	U	water, Fragrance, Lauramidopropyl dimethylamine, Sodium Tallate, Trisodium MGDA	32 ppb	☐
	Restorz Condenser Coil Revitalizer	1 Gal	U	Sodium Hydroxide, Sodium silicate, Tetrasodium EDTA, Water	39 ppb	☐
	spartan oven and grill cleaner	1 Gal	U	water, Butoxydiglycol, Sodium Hydroxide, Triethanolamine, C9-11 Alkyl Glucoside, Tetrasodium EDTA, Sodium	33 ppb	☐
	virex 256	1.59 US C	U	Didecyl dimethyl ammonium chloride, n-alkyl dimethyl benzyl ammonium chloride, Ethyl alcohol, Tetrasodium salt of EDTA, Lauryl dimeth	30 ppb	☒
	SC Johnson pledge furniture polish	4.2 oz	U/UO	Hydrocarbons, C7-C9, isoalkanes	42 ppb	☐
	spartan premium wood polish	1 Lb	U	Water, Butane, Dimethicone, Propane, MIPA-Borate, Mea-Borate, Oxidized Polyethylene, Glycol Montante, Limonene, Morpholine, Oleic Acid,	43 ppb	☐
	Enviro solutions 92 H2O2 carpet cleaner	32 oz	U	Water, Hydrogen Peroxide, Surfactant blend	938 ppb	☐
	Clean on the Go Xcelente multi-surface cleaner	2 lites	U/UO	Water, C9-11 Parath-6, Isopropyl Alcohol, Sodium Caprylyl Sulfonate, Tetrasodium EDTA, Fragrance, Terpeneol Acetate, 7-Octen-2-ol, 2-Methyl-6-	950 ppb	☐
	Ice beeter ice melter	50 lb	U/UO	Sodium Chloride, Magnesium Chloride, Calcium Magnesium Acetate (CMA), Potassium Chloride, Beet Extract Solution (Beet Raffinate)	0	☐
	diversey high mileage floor finish	5 Gal	U	2-(2-ethoxyethoxy)ethanol, Tributoxyethyl phosphate, Zinc ammonium carbonate, phosphoric acid, (ethoxylated tridecyl alcohol)	1653 ppb	☐
	Terra glaze	5 Gal	U/UO	water, Acrylate Copolymer, Ethoxydiglycol, Ethylene Copolymer, Tributoxyethyl Phosphate, Zinc Ammonium Carbonate, Fluorosurfactant	885 ppb	☐
	Diversey revive plus	2.5 L	U	2-(2-ethoxyethoxy)ethanol, Alcohol, C9-C11, ethoxylated	0	☐
	spartan shineline emulsifier plus	5 Gal	U	water, 2-butoxyethanol, sodium xylene sulfonate, monoethanolamine, sodium hydroxide, phosphate ester, sodium silicate	0	☒
	clorox disinfecting spray	19 oz	U/UO	Ethanol, Isobutane, Propane, Sodium nitrite, n-Alkyl (40% C12, 50% C14, 10% C16) dimethyl benzyl ammonium chloride, Octyl decyl dimeth	3767 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB-RM08 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13340
 Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-11/IDA-1	Kitch Klenzer original powder c	21 oz	U	Limestone , Crystalline Silica, quartz (impurity) , Sodium Carbonate, SodiumDodecylbenzene Sulfonate , Trichloroisocyanuric Acid	2672 ppb	☐
	spartan chewing gum remove	6.5 oz	U	Propane, Butane	657 ppb	☐
	TB-cide quat	1 Qt	UO	Water, diethylene glycol monobutyl ether, tetrasodium ethylenediaminetetraacetate,alkyl dimethyl ethylbenzyl ammonium chloride, alkyl	7091 ppb	☐
	Spartan Super concentrated gl.	2 L	UO/U	Water, Caprylyl/Carpyl Glucoside, Lauryl Glucoside, sopropyl Alcohol, Tetrasodium EDTA, Fragrance, Orange Terpenes, Lemon Oil Terpenes,	4893 ppb	☐
	Bio Renewables Glass cleaner (	1 Gal	UO	Water, Caprylyl/Carpyl Glucoside, Cocamidopropyl Hydroxysultaine, Lauryl Glucoside, Sodium Carbonate, Citric Acid, Fragrance, Ethylene	12.85 ppm	☐
	Shineline Em. plus stripper	1 Gal	U	water, 2-butoxyethanol, sodium xylene sulfonate, monoethanolamine, sodium hydroxide, phosphate ester, sodium silicate	6718 ppm	☒
	CDC-10 cleaner	1 Qt	U	Alkyl dimethyl benzyl ammonium chlorides, octyl decyl dimethyl ammonium chloride, dioctyl dimethyl ammonium chloride, didecyl dimethyl	4445 ppb	☐
	Power services Diesel Fuel Sup	32 oz	UO	Petroleum Distillates, Hydroxy alkoxylate, Alkyl Nitrates, Aromatic hydrocarbons, Naphthalene , Hexan-1-ol, 2-ethyl	155 ppb	☒
	CarGo silicone brake fluid long	12 US FL	U	Tributyl phosphate	196 ppb	☐
	Uline Maskout Paint	13 oz	U	Acetone, Propane, Titanium Dioxide, N-Butyl Acetate, N-Butane, Xylene, Methyl Ethyl Ketone, Solvent, Naphtha, Ethylbenzene	470 ppb	☒
	Power services Diesel 911	32 FL oz	U	Aliphatic hydroxy hydrocarbons , Petroleum Distillates	335.5 ppb	☐
	WD-40	8 oz	U	LVP Aliphatic Hydrocarbon,Petroleum Base Oil, Aliphatic Hydrocarbon ,Carbon Dioxide	94 ppb	☐
	Stencil ink Marsh Marsh K black	1 US Gal	U	Calumet 420-460, Carbon black	8299 ppb	☐
	Super tech power steering fluic	12 oz	U	Base Lubricating Oil, Detergent/Inhibitor System	2565 ppb	☐
	Mar-hyde acrylic enamel	11 oz	U	2-Butanone, Toluene, xylene, Dimethylbenzene, xylol, Propyleneglycol Monomthyl Ether Acetate, 2-Butoxyethanol, Butyl, Isobutane, 2-	6420 ppb	☒
	power-foam bravo ultra mouss	23 oz	U	Benzyl alcohol,2-butoxyethanol,Diethylene glycol butyl ether,Potassium hydroxide, Monoethanolamine, Isobutane	1464 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: Main Building Bldg Code: MB - RM08 Date: Mar 30, 2022
 Bldg Address: 2200 Bleecker St Apt/Suite No: _____
 Bldg City/State/Zip: Utica NY, 13340
 Make and Model of PID: PPB Rae 3000+ Date of Calibration: Mar 30, 2022

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SSV-11/IDA-1	enviro solutions 92 H2O2 carpe	32 oz	U	Water, Hydrogen Peroxide, Surfactant blend	938 ppb	☐
	spartan clean on the go all puri	67.6 oz	U	Water, Undeceth-3, Hydrogen Peroxide, C9-11 Pareth-6, Poly(oxy-1,2-ethanediyl) a,a-[[[3-(decyloxy)propyl]methyliminio]di-2,1-	950 ppb	☐
	diversey revive plus SC	2.64 US G	UO	2-(2-ethoxyethoxy)ethanol , Alcohol, C9-C11, ethoxylated	0	☐
	shine line emulsifier plus finish	5 Gal	U	water, 2-butoxyethanol, sodium xylene sulfonate, monoethanolamine, sodium hydroxide, phosphate ester, sodium silicate	0	☒
	Spa Soap Antibacterial liquid so	32 fl oz	U	Proprietary Sufcactant Blend, Sodium Chloride, Glycerin, 5-Chloro-2-Methyl-4-isothiazolin-3-one, EDTA	3025 ppb	☐
	Assured instant hand sanitizer	8 fl oz	U	Ethyl Alcohol	530 ppb	☐
	sparcreme liquid creme cleansi	-	UO	Water, Quartz, Citric Acid, Alkylbenzene Sulfonic Acid, Xanthan Gum, Triethanolamine, Fragrance, Limonene, Citrus Limon Peel Oil, Citrus Aurantifo	0	☐
	metaquat germicidal cleaner	67.6 Fl oz	U	Water, C9-11 Pareth-6, Alkyl C12-16 Dimethylbenzyl Ammonium Chloride, Sodium Metasilicate, Tetrasodium EDT, Acid Orange 7	3255 ppb	☐
	spartan hdqC2	2 Qt 3.6 f	U	Water, Dicapryl/Dicaprylyl Dimonium Chloride, Alkyl C12-16 Dimethylbenzyl Ammonium Chloride, Alcohol, Tetrasodium EDTA, C9-11 Pareth, Citri	11.54 ppm	☐
	Brasso metal polish	8 Fl oz	U	ISOPROPYL ALCOHOL, AMMONIUM HYDROXIDE, SILICA POWDER CRYSTALLINE, OXALIC ACID DIHYDRATE	2650 ppb	☒
	Airx Spray N Go disinfectant Cl	1 Gal	U	Tetra Sodium Ethylenediamine Tetra Acetic Acid, Alkyl dimethyl ethylbenzyl ammonium chloride, Alkyl dimethyl benzyl ammonium chloride	1279 ppb	☐
	RMC Quat plus TB	1 Qt	U	Diethylene glycol butyl ether, Tetrasodium EDTA	2658 ppb	☒
	boardwalk Pink lotion soap	1 US Gal	U	Alcohols, C10-16, ethoxylated, sulfates, sodium salts, Cocoamidopropyl betaine	3443 ppb	☐
	Mighty Sonic safety horn	8 oz	U	Ethane, 1,1,1,2-tetrafluoro-	781 ppb	☒
	equate 70% isopropyl alcohol	16 oz	U	isopropyl alcohol, purified water	318.4 ppm	☐
	Gravograph Gravoxide	3 oz	U	Phosphoric Acid, Zinc Sulphate (Anhydrous), Ammonium Molybdate, Selenious Acid, Copper (II) Sulfate, Pentahydrate	6054 ppb	☐

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

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

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



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Vontier Corporation Former Chicago Pneumati Site Code: 622003 Operable Unit: 01

Building Code: MB-RM08 Building Name: Main Building

Address: 2200 Bleecker St Apt/Suite No: _____

City: Utica State: NY Zip: 13340 County: Herkimer

Factors Affecting Indoor Air Quality

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

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

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

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

☒ Cleaning Products Used Recently?: Description of Cleaning Products: multi-purpose cleaners, hand +

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

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

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

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

☐ Solvent or Chemical Odors? Describe Odors (if any): _____

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

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

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

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

☒ Any Prior Testing For VOCs? If So, When?: Mar 30, 2021

Sampling Conditions

Weather Conditions: SUNNY Outdoor Temperature: 19 °F

Current Building Use: MANUFACTURING Barometric Pressure: 29.92 in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: MB-RM08 Address: 2200 Bleecker St Utica , NY 13340

Sampling Information

Sampler Name(s): Olivia Botting, Dikshya Khanal Sampler Company Code: ERM
Sample Collection Date: 03/30/2022 Date Samples Sent To Lab: 03/31/2022
Sample Chain of Custody Number: Outdoor Air Sample Location ID: ODA-03

SUMMA Canister Information

Sample ID:	SSV-11(03302022)	IDA-1(03302022)	ODA-03(03302022)		
Location Code:	SSV-11	IDA-1	ODA-03		
Location Type:	SUBSLAB	FIRST FLOOR	OUTDOOR		
Canister ID:	2960	1574	2932		
Regulator ID:	0001	0824	02247		
Matrix:	Subslab Soil Vapor	Indoor Air	Ambient Outdoor Air		
Sampling Method:	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING	SUMMA AIR SAMPLING		

Sampling Area Info

Slab Thickness (inches):	8				
Sub-Slab Material:	FILL				
Sub-Slab Moisture:	DRY				
Seal Type:	NONE				
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	03/30/2022 9:59	03/30/2022	03/30/2022		
Vacuum Gauge Start:	-30.06	-30.04	-30.36		
Sample End Date/Time:	03/31/2022 14:00	03/31/2022	03/31/2022		
Vacuum Gauge End:	-9.8	-23.05	-6.63		
Sample Duration (hrs):	24	24	24		
Vacuum Gauge Unit:	in(hg)	in(hg)	in(hg)		

Sample QA/QC Readings

Vapor Port Purge:	☒	☐	☐	☐	☐
Purge PID Reading:	112.0				
Purge PID Unit:	ppm				
Tracer Test Pass:	☐	☐	☐	☐	☐

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

LOWEST BUILDING LEVEL LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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



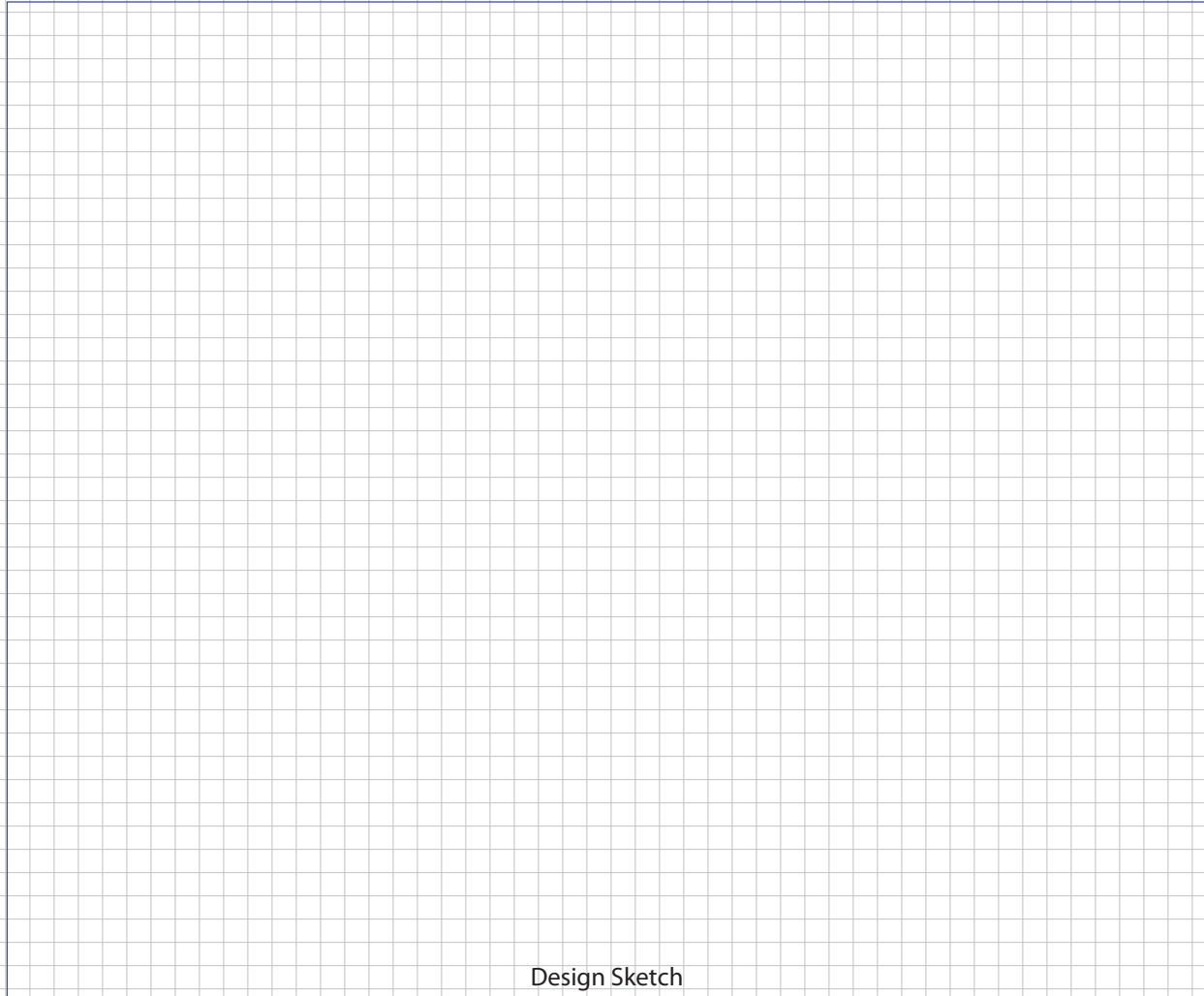
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

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

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

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

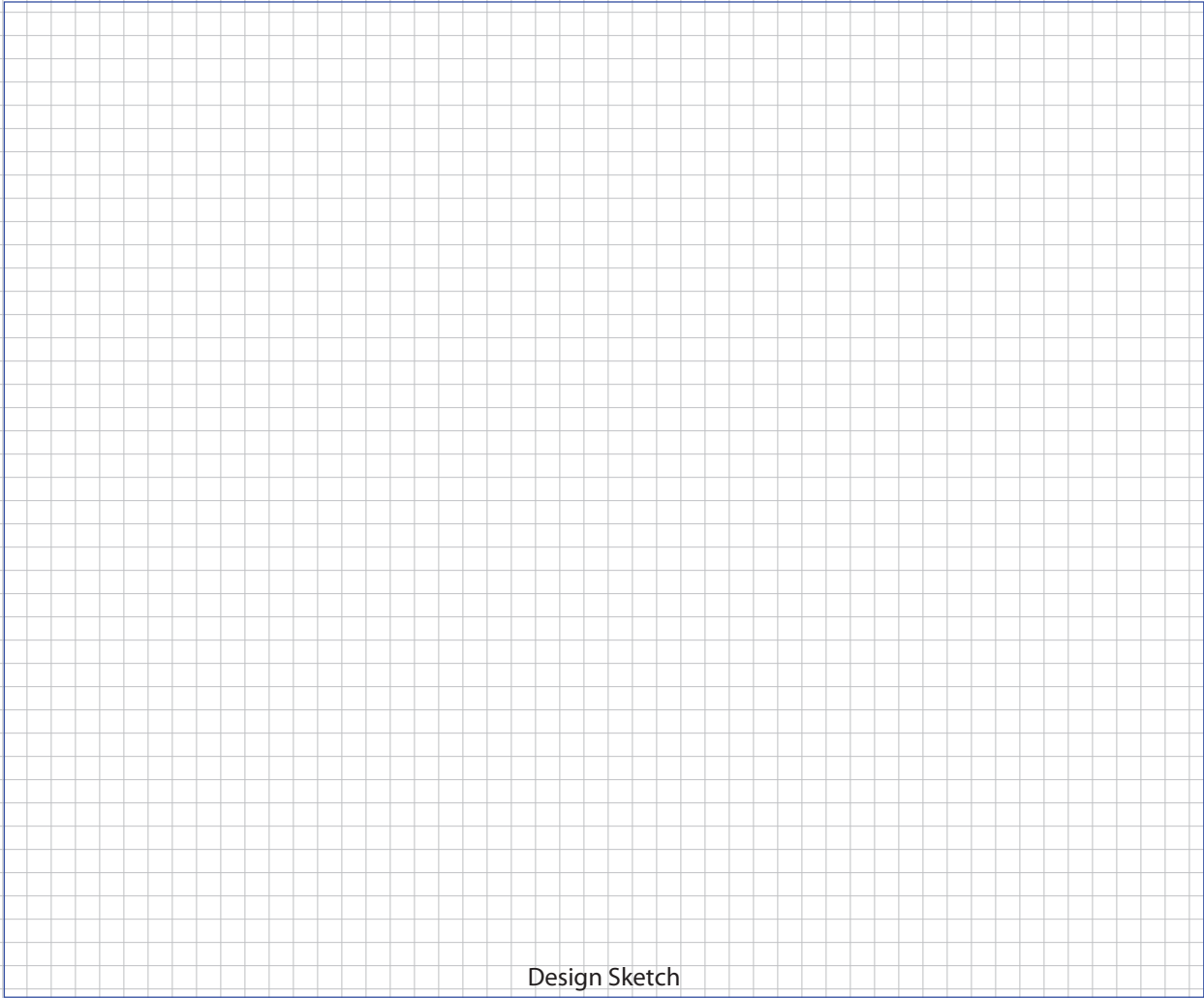


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

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

APPENDIX I PHOTOGRAPHIC LOG

ERM Project #0631423

PHOTO LOG – 2022

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 1	Date: 1/21/2022		
Description: Fan #1 of SSDS			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 2	Date: 1/21/2022		
Description: Fan #2 of SSDS			

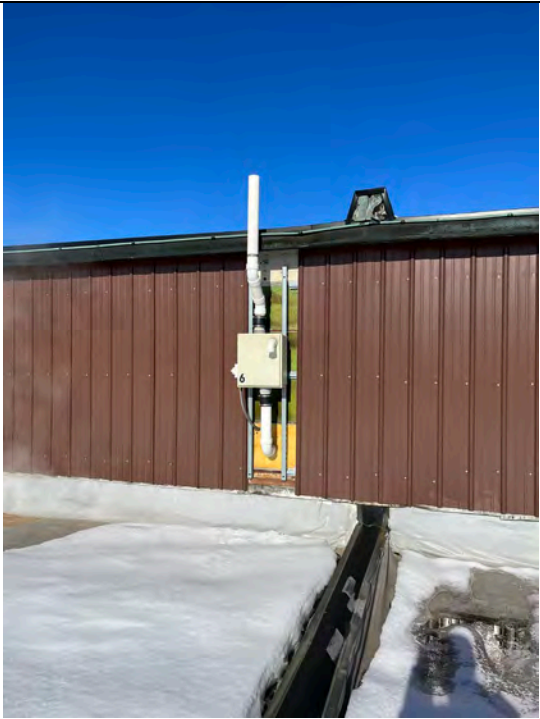
ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 3	Date: 1/21/2022		
Description: Fan #3 of SSDS			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 4	Date: 1/21/2022		
Description: Fan #4 of SSDS			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 5	Date: 1/21/2022		
Description: Fan #5 of SSDS			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 6	Date: 1/21/2022		
Description: Fan #6 of SSDS			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 7	Date: 1/21/2022	
Description: Soil piles from loading dock excavation are removed.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 8	Date: 1/21/2022	
Description: Totalizer to leachate tank at RAF Building.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 9	Date: 1/21/2022		
Description: MW-17 north of the Main Building.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 10	Date: 1/21/2022		
Description: MW-6R covered with snow in east parking lot north of Main Building.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 11	Date: 1/21/2022		
Description: MW-18 south of Main Building.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 12	Date: 1/21/2022		
Description: MW-14A in RAF southeast of Main Building.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 13	Date: 1/21/2022		
Description: MW-13A in RAF east of Main Building.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 14	Date: 1/21/2022		
Description: Gas Vent 1 on top of landfill in RAF, facing west.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 15	Date: 1/31/2022	
Description: Record air flow measurement from VS-11.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 16	Date: 1/31/2022		
Description: Record pressure in inches of water with magnehelic at VS-06.			

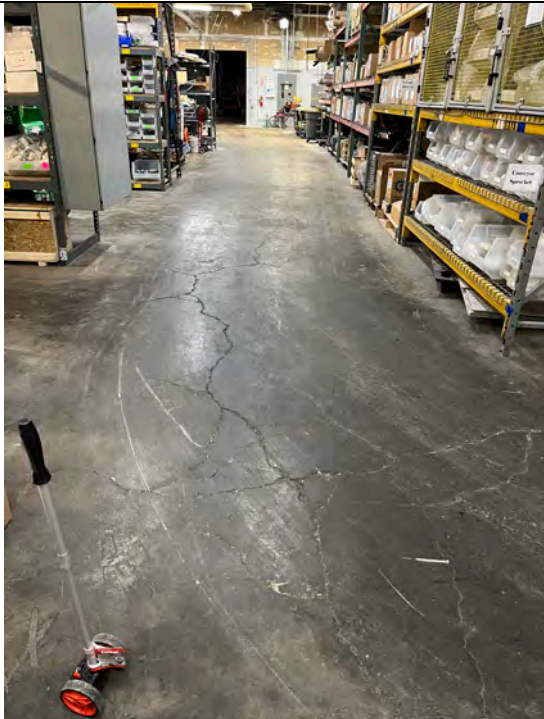
ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 17	Date: 1/31/2022		
Description: Record pressure in inches of water with digital manometer at SSV-31.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 18	Date: 2/22/2022		
Description: Measured cracks in slab at in Main Building.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 19	Date: 2/22/2022	
Description: Measured cracks in slab in Main Building.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 20	Date: 2/22/2022	
Description: Measured cracks in slab in Main Building.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 21	Date: 2/22/2022	
Description: Opening cut in Main Building wall.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 22	Date: 3/30/2022	
Description: Indoor air sample IDA-11R-A taken from freshly dry-cleaned lab coats.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 23	Date: 3/30/2022	
Description: SSV-14R and IDA-9R during the March 2022 sampling event.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 24	Date: 4/4/2022		
Description: Low flow set up on MW-14A during the April 2022 groundwater sampling event.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 25	Date: 5/2/2022		
Description: Loading dock outside of Main Building after excavation.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 26	Date: 5/2/2022	
Description: Soil piles from excavation on loading dock outside of Main Building.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 27	Date: 5/13/2022	
Description: Relocated soil from 2020 loading dock and roadway excavation.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 28	Date: 5/13/2022	
Description: Gopher hole on top of RAF landfill.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 29	Date: 5/17/2022		
Description: Vacuum suction pipe VS-02 needs to be sealed.			

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY	
Photo #: 30	Date: 5/17/2022		
Description: Record vacuum measurements at SSV-22 in May 2022.			

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 31	Date: 5/17/2022	
Description: Completed loading dock outside of Main Building.		

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 32	Date: 9/15/2022	
Description: Gopher hole found on side of the RAF landfill during OM&M, filled in on 9/15/2022.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 33	Date: 10/4/2022	
Description: Groundwater sampling at MW-17 in October 2022.		 A photograph showing groundwater sampling equipment on a green lawn. The equipment includes two orange buckets, a white bucket, a black pump unit, a black control unit with a screen, and a coiled hose. A bag of TouchNTuff gloves is also visible. In the background, there is a large industrial building and a white truck.

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 34	Date: 11/8/2022	
Description: Valve installed on VS-11 during annual SSDS OM&M and inspection.		

ERM Project #0631423

Property ID: Former Chicago Pneumatic Tool Company		Property Location: Frankfort, NY
Photo #: 35	Date: 12/7/2022	
Description: Record vacuum measurement at SSV-15 in December 2022.		

APPENDIX J

DMRS

DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 01/01/22 to 01/31/22

DMR Due Date:

02/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-02-14 11:44 (Time Zone: -05:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-02-17 10:47 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 02/01/22 to 02/28/22

DMR Due Date:

03/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-03-10 17:01 (Time Zone: -05:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-03-28 20:57 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:	NY0108537	Permittee:	CHICAGO PNEUMATIC TOOL CO	Facility:	CHICAGO PNEUMATIC TOOL CO.
Major:	No	Permittee Address:	1815 CLUBHOUSE DRIVE ROCK HILL, SC 29730	Facility Location:	2200 BLEECKER ST UTICA, NY 13501
Permitted Feature:	03A External Outfall	Discharge:	03A-M CLAY PIPE GROUNDWATER		

Report Dates & Status

Monitoring Period:	From 03/01/22 to 03/31/22	DMR Due Date:	04/28/22	Status:	NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name:	Title:	Telephone:
Last Name:		

No Data Indicator (NODI)

Form NODI: --

[illegible]

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:	CHURLBURT
Name:	Caroline Hurlburt
E-Mail:	churlburt@chacompanies.com
Date/Time:	2022-04-15 11:14 (Time Zone: -04:00)

Report Last Signed By

User:	SJMILLER
Name:	Samantha Miller
E-Mail:	smiller@chacompanies.com
Date/Time:	2022-04-19 09:34 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 04/01/22 to 04/30/22

DMR Due Date:

05/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-05-17 11:05 (Time Zone: -04:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-06-01 09:12 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 05/01/22 to 05/31/22

DMR Due Date:

06/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-06-27 11:51 (Time Zone: -04:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-06-29 13:03 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 06/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-07-26 22:56 (Time Zone: -04:00)

Report Last Signed By

SJMILLER

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-07-29 10:13 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0108537
No

Permittee:
Permittee Address:

CHICAGO PNEUMATIC TOOL CO
1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:
Facility Location:

CHICAGO PNEUMATIC TOOL CO.
2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 07/01/22 to 07/31/22

DMR Due Date:

08/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	5176.0	=	3615.0	07 - gal/d									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	07 - gal/d										
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.3			=	7.1	12 - SU		01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
34546	trans-1,2-Dichloroethylene	1 - Effluent Gross	0	--	Sample	<	0.000207	<	0.000145	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L			
					Value NODI															
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample	<	0.000207	<	0.000145	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L			
					Value NODI															
39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000186	=	0.000145	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L			
					Value NODI															
81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000194	=	0.000145	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L			
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-09-01 10:40 (Time Zone: -04:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-09-01 10:40 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0108537
No

Permittee:
Permittee Address:

CHICAGO PNEUMATIC TOOL CO
1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:
Facility Location:

CHICAGO PNEUMATIC TOOL CO.
2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 08/01/22 to 08/31/22

DMR Due Date:

09/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	2854.0	=	6066.0	07 - gal/d									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	07 - gal/d									99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.2			=	7.4	12 - SU		01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
34546	trans-1,2-Dichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000114	=	0.000243	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample	=	0.000114	=	0.000243	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
X 39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000393	=	0.002378	26 - lb/d			=	17.2	=	49.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
X 81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000356	=	0.002038	26 - lb/d			=	15.6	=	42.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
39180	Trichloroethylene	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

System required maintenance, pump 2 went down which caused a backlog of water. The system was back online toward the end of the month and pushed large amounts of sediment through, likely attributing to the exceedances

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-09-30 10:01 (Time Zone: -04:00)

Report Last Signed By



DMR Copy of Record

Permit

Permit #:	NY0108537	Permittee:	CHICAGO PNEUMATIC TOOL CO	Facility:	CHICAGO PNEUMATIC TOOL CO.
Major:	No	Permittee Address:	1815 CLUBHOUSE DRIVE ROCK HILL, SC 29730	Facility Location:	2200 BLEECKER ST UTICA, NY 13501
Permitted Feature:	03A External Outfall	Discharge:	03A-M CLAY PIPE GROUNDWATER		

Report Dates & Status

Monitoring Period:	From 09/01/22 to 09/30/22	DMR Due Date:	10/28/22	Status:	NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name:	Title:	Telephone:
Last Name:		

No Data Indicator (NODI)

Form NODI: --

[illegible]

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:	CHURLBURT
Name:	Caroline Hurlburt
E-Mail:	churlburt@chacompanies.com
Date/Time:	2022-10-28 10:53 (Time Zone: -04:00)

Report Last Signed By

User:	SJMILLER
Name:	Samantha Miller
E-Mail:	smiller@chacompanies.com
Date/Time:	2022-11-03 12:14 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0108537
No

Permittee:
Permittee Address:

CHICAGO PNEUMATIC TOOL CO
1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:
Facility Location:

CHICAGO PNEUMATIC TOOL CO.
2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 10/01/22 to 10/31/22

DMR Due Date:

11/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	8425.0	=	10291.0	07 - gal/d								99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	07 - gal/d								99/99 - Continuous	RC - Recorder (auto)
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.1				=	7.3	12 - SU	01/07 - Weekly	GR - GRAB
					Permit Req.					>=	6.0 MINIMUM				<=	9.0 MAXIMUM	12 - SU	01/07 - Weekly	GR - GRAB
					Value NODI														
34546	trans-1,2-Dichloroethylene	1 - Effluent Gross	0	--	Sample	<	0.000337	<	0.000412	26 - lb/d			<	5.0	<	5.0	28 - ug/L	01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L	01/07 - Weekly	GR - GRAB
					Value NODI														
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample	=	0.000337	=	0.000412	26 - lb/d			<	5.0	<	5.0	28 - ug/L	01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L	01/07 - Weekly	GR - GRAB
					Value NODI														
X 39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.001038	=	0.004281	26 - lb/d			=	15.4	=	52.0	28 - ug/L	01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L	01/07 - Weekly	GR - GRAB
					Value NODI														
X 81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000741	=	0.003211	26 - lb/d			=	10.988	=	39.0	28 - ug/L	01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L	01/07 - Weekly	GR - GRAB
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
39180	Trichloroethylene	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2022-12-08 15:18 (Time Zone: -05:00)

Report Last Signed By



DMR Copy of Record

Permit

Permit #:

NY0108537

Major:

No

Permittee:

CHICAGO PNEUMATIC TOOL CO

Permittee Address:

1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:

CHICAGO PNEUMATIC TOOL CO.

Facility Location:

2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 11/01/22 to 11/30/22

DMR Due Date:

12/28/22

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

CHURLBURT

Name:

Caroline Hurlburt

E-Mail:

churlburt@chacompanies.com

Date/Time:

2022-12-23 09:36 (Time Zone: -05:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2023-01-03 08:21 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0108537
No

Permittee:
Permittee Address:

CHICAGO PNEUMATIC TOOL CO
1815 CLUBHOUSE DRIVE
ROCK HILL, SC 29730

Facility:
Facility Location:

CHICAGO PNEUMATIC TOOL CO.
2200 BLEECKER ST
UTICA, NY 13501

Permitted Feature:

03A
External Outfall

Discharge:

03A-M
CLAY PIPE GROUNDWATER

Report Dates & Status

Monitoring Period:

From 12/01/22 to 12/31/22

DMR Due Date:

01/28/23

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	9269.0	=	12566.0	07 - gal/d									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	07 - gal/d									99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	7.5	12 - SU		01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
34546	trans-1,2-Dichloroethylene	1 - Effluent Gross	0	--	Sample	<	0.000371	<	0.000503	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample	<	0.000371	<	0.000503	26 - lb/d			<	5.0	<	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000376	=	0.000533	26 - lb/d			=	5.0	=	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															
81574	1,2-cis-Dichloroethylene	1 - Effluent Gross	0	--	Sample	=	0.000354	=	0.000503	26 - lb/d			=	5.0	=	5.0	28 - ug/L		01/07 - Weekly	GR - GRAB
					Permit Req.		Req Mon DAILY AV		Req Mon DAILY MX	26 - lb/d				Req Mon DAILY AV	<=	10.0 DAILY MX	28 - ug/L		01/07 - Weekly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

CHICAGO PNEUMATIC TOOL CO

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2023-01-09 09:58 (Time Zone: -05:00)

Report Last Signed By

User:

SJMILLER

Name:

Samantha Miller

E-Mail:

smiller@chacompanies.com

Date/Time:

2023-01-09 09:58 (Time Zone: -05:00)

APPENDIX K FIELD LOGS

0591820 Vantier Farmer OB
Chicago Pneumatic Fri 1/21/22

- Purpose: January 2022 OM&M, Fan check
Weather: 11°, Sunny, wind E 5 mph
Personnel: Olivia Botting (OB) of ERM
1240 - OB on site. Mob to roof to check fans.
1300 - All fans are running. Fan #1 is louder than other fans. Take pictures of fans.
1315 - Mob to FGI ~~to~~ to notify CHIEF of FGI of air sampling on February 8-9. Soil piles near HTC are missing.
1325 - Mob to RAF to complete OM&M.
1405 - Complete OM&M. MW-6R is covered in snow.
1410 - OB off site.

Olivia Botting
1/21/22

0631423 Vantier Farmer OB/DK
Chicago Pneumatic Mon. 1/31/22

- Purpose: Vacuum measurements
Weather: 19°, Sunny
Personnel: O. Botting (OB), Dikshya Khanna (DK)
1100 - DK of ERM on site.
1135 - OB of ERM on site.
1145 - OB off site for lunch.
1200 - OB on site.
1215 - Mob to roof to check fans.
1235 - All fans are running. Mob to RAF Building
1300 - Begin vacuum measurements in Environmental Composites and VS flow readings.
1315 - Mob to FGI to collect readings.
1435 - United Civil is not here anymore. Contact Chris Holovitz of Maintenance to open door.
1445 - MW-18 DTW = 5.88'
1505 - Access and measure in United Civil. Chris Holovitz says new company Indium is moving in in the next couple months. Maintenance is updating lighting, bathroom, and may replace slab in places. OB takes photo of floor they want to cut & replace.
1530 - Mob to Detonics to collect measurements

0631423

Vantier Sommer
Chicago PneumaticOB/AK
Mon. 1/31/22

- 1650 - Complete measurements in Detonics
Sign out and mob to RAF.
- 1700 - Measure leachate: $\text{DTW} = 4.90'$
- 1710 - Return equipment and lock RAF.
- 1720 - ERM off site.

Notes:

- Cracks in floor near VS-17, 21, 26
- Could not access: VS-01, 02, 03, 14,
16, 22, 25, SSV-06, 10, 28, 26,
27, 29
- Not found: SSV-12, 13, 19, 20

15
1/31/22

Vantier Sommer

OB

0631423

Chicago Pneumatic Tues. 2/22/22

Purpose: Check Fans & measure cracks (Detonics, Env. Comp)

Weather: 51°, overcast, damp

Personnel: Olivia Botting (OB) of ERM

1420 - OB on site.

1445 - All Fans are running. Mob to Environmental Composites to measure cracks in SIA.

1530 - Measure approximately 8
cracks = 544' linear feet
joints = 298' linear feet

1550 - Mob to Detonics to measure cracks.

1720 - Measure approximately 8
cracks = 527' linear feet
joints = 238' linear feet

1730 - Sign out at Detonics.

1740 - Mob to RAF to complete O&M.

1800 - Clean RAF Building

1820 - OB off site. Notify Tim Daniuk
a wall in Detonics was cut to
expand space. will be used for storage.

15
2/22/22

0631423

Vontier Former
Chicago PneumaticOB/SM
/TD

Tues. 3/1/22

Purpose: Site walk w/SM, check Fans, CHA ^{GW treatment}

Personnel: O. Botting (OB), S. Mirabella (SM), T. Daniluk (TD)

Weather: 21°, overcast, wind NW 8 mph

0900 - OB and SM at ERM onsite.

Hold safety tailgate meeting.

0915 - Mobilize to roof to check fans.

0930 - All fans are running.

0935 - Mob to Detorios and sign in.

- Assess cracks - SM approximates 75% of perimeter needs to be sealed in mechanic shop.

Loading was covered in pallets and can't access. cracks ~ 500 ft.

1130 - Sign out at Detorios and mob to Environmental Composites - note cracks & joints that need sealing

1200 - ERM offsite for lunch.

1250 - Onsite. TD on site.

1310 - Meet Sam from CHA and see Groundwater treatment system -

- Mob to Indium and check floor with Chris Holantz from maintenance. Floor has been sealed.

1430 - TD offsite.

1435 - OB and SM mob to RAF building.

0631423

Vontier Former
Chicago Pneumatic

OB/SM/TD

Tues. 3/1/22

1440 - SM finishes inspection of RAS tank and offsite.

1450 - OB locks RAS and offsite.

3/1/22

0631423

Vantier Farmer OS/TD/ER/MM
Chicago Pneumatic Thurs. 3/3/22

Purpose: Site Visit with Michael Moore (client)

Personnel: O. Botang (OS), T. Daniluk (TD),
E. Rossano (ER), Michael Moore (MM)

Weather: 24°, sun & clouds, wind

0830 - ERM onsite. Meet MM onsite.

0850 - Mob to RAF Building and show
interior OS Building & leachate tank

0930 - Mob to FGI to show VS and
SSV points and panels.

0945 - Mob to Environmental Composites
to observe cracks in slab near
SSV-24/JDA-2R.

1000 - ERM and MM offsite.

Olivia Botang
3/3/22

0631423

Vantier Farmer OS
Chicago Pneumatic Thurs. 3/10/22

Purpose: March OM & M, check fans

Personnel: Olivia Botang (OS)

Weather: 31°, mostly cloudy, wind SE 3 mph

0920 - OS off ERM onsite. Mob to roof
to check fans.

0940 - All fans are running. Mob to
RAF Building to complete OM & M.

1010 - Complete OM & M,

1015 - OS off site.

Olivia Botang
3/10/22

0631423

Vintia Former Chicago
Pneumatic

OB

3/16/2022

Purpose: Check Fans on roof

Personnel: Olivia Botting (OB)

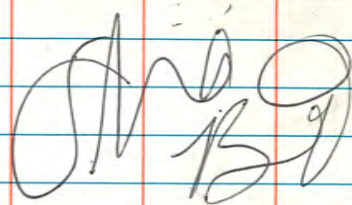
Weather: 58°, sunny

1450 - OB onsite. Mob to roof to
check fans.

1505 - All fans are running.

1510 - Notify Tim Daniluk as ERM
that fans are running.

1515 - OB offsite.



3/16/22

0631423

Vintia Former
Chicago Pneumatic

OB/DR

Wed. 3/16/22

Purpose: Annual Air Sampling & Vacuum Readings

Personnel: O. Botting (OB), D. Khanna (DR)

Weather: 19°, sunny, wind E 1 mph, 27.92°F

0800 - OB and DR on site. Mob to
RAF Building for air sampling
materials.

0830 - Mob to roof to check fans. All running.

Sample ID	Start time	Start Pressure	Can ID	Controller ID	(ppb) PID PT	(ppb) PID Bkg
ODA-03	0841	-30.36	2932	02247	0.177	
SSV-24	0912	-30.13	622 (OB)	01357	0.0	27.14
IDA-2R	0911	-30.09	3599	02253	11.2	68.14
SSV-11	0959	-30.06	2960	0001	11.2	68.14
IDA-1	0958	-30.04	1574	0824	15.6	190.4 ✓
SSV-25	1118	-30.04	3597	01461	15.6	190.4 ✓
IDA-6	1118	-30.22	1991	01491		
SSV-27	1147	-30.20	2979	01476	0.0	58.14 ✓
IDA-3R	1147	-30.14	3390	01784		
SSV-26	1211	-30.41	2649	01780	1465	573 ✓
IDA-5R	1211	-29.97	1537	02413	499	267.14
SSV-5	1231	-30.28	3603	0226	499	267.14
IDA-10R	1233	-30.14	1657	01219		
SSV-28	1300	-30.09	2101	02207	0.0	295 ✓
IDA-7R	1311	-30.02	3266	01405		

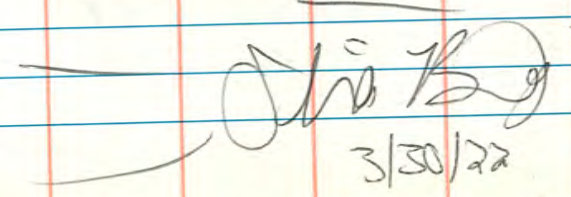
0631423

Vantier Farmer
Chicago PneumaticOB/DK
Wed 3/30/22

- 1320 - CRM off site. St lunch.
 1355 - CRM on site. Mo5 to ~~initiate~~ into
 finish air flow measurements.
 1420 - Issue with equipment. Contact
 Pine Technician.
 1545 - Sign in at Detonios.

Location ID	Start Time	Start Pressure	Can ID	Controller ID	PID PT	PID BAY	WAB JAN
SSV-21	1520	-30.46	2618	0850	1269 pph	873 ppb	NA
IDA-4R	1526	-30.08	3308	0094	01201		
DUP	1526	-29.84	2889	0089			
SSV-14R	1557	-29.10	2560	01074	1096 pph	2109 ppb	V
IDA-9R	1557	-29.80	3641	0499			
SSV-15	1611	-29.57	3064	0043	2774 pph	1132 ppb	
IDA-11R	1611	-29.88	3064	01366			
IDA-11R-A	1626	-29.94	3308	0091			

- 1700 - Complete Sampling and vacuum
 measurements in Detonios. Sign out.
 1725 - MW-18 DTW = 3.99
 1730 - Update Tim Daniluk of today's work.
 1745 - CRM off site.



3/30/22

0631423

Vantier Farmer
Chicago PneumaticOB/DK
Thurs. 3/31/22

- Purpose: Air Sampling & Vacuum Measurement
 Weather: 42° mostly sunny, wind W 10 mph, 29.04 in Hg
 Personnel: O. B. (OB), D. Khavari (DK)
 0800 - CRM on site. Mo5 to ODA-03.

Location ID	End Time	End Pressure
ODA-03	0800	-6.63
IDA-10R	1044	-7.32
SSV-28	1047	-0.25
IDA-6	1140	-8.60
SSV-25	1141	-9.77
IDA-2R	1213	-8.79
IDA-3R	1239	-8.29
SSV-21	1327	-7.34
DUP	1327	-7.83
IDA-11R-A	1332	-8.89
IDA-4R	1336	-9.57
SSV-21 (OB)	1429	-9.80
SSV-5	1441	-9.94
IDA-7R	1446	-10.55
SSV-27	1452	-11.43
IDA-5R	1455	-10.52
SSV-26	1506	-13.42
IDA-1	1556	-23.05
IDA-9R	1628	-7.72

0631423

Vontier Farmer
Chicago PneumaticCB/DK
Thurs. 3/31/22

- Mob to Environmental Composites to complete Chemical Inventory.
- SSV-24 controller not functioning. Reads -29.14. Notifies Tim Daniluk & replaces controller. Reads -29.04.
- 1045 - Complete inventory in Env. Composite
- 1050 - Mob to FGI. SSV-28 is -0.25 pressure
- 1210 - ERM off site for lunch.
- 1230 - ERM on site.
- 1235 - Continue inventory in FGI.

Location ID	end time	end Pressure
SSV-14R	1628	-9.48
IDA-11R	1724	-9.27
SSV-15	1724	-18.25
SSV-24	1740	-21.96

- 1540^{CB} - Mob to Human Technologies to complete inventory.
- 1610 - Complete inventory. Mob to DeJorios.
- 1730 - Complete inventory in DeJorios.
- 1735 - Scan wooden bricks with PPb Rae
Background = ~~1150~~^{CB} ppb 1. Bricks = 1316 ppb
990 2. Bricks = 3100 ppb
- 1740 - Scan under refrigeration unit
Background 1456 ppb 1. = 4886 ppb
2. = 2849 ppb

0631423

Vontier Farmer
Chicago PneumaticCB/DK
Thurs. 3/31/22

- 1745 - Sign out of DeJorios. Collect SSV-24.
- 1810 - ERM off site.

Other notes:

- Jack hammering at loading dock of Indium (previously United Civil). CB observed soil disturbance and documented.
- Soil piles in eastern parking lot from new loading dock construction in 2020 are still on site. Pushed to eastern tree line.
- FGI: Chris says will be moving out of half of space by middle of 2022.
- Told Chris Holavitz ERM could not open SSV-18 due to covered in epoxy. He said he will clean surface.
- Hear air at VS-01, -26, -28, -29, -17, -21. Hear water at VS-17.

Chris B
3/31/22

0631423 Vontier Former Chicago Pneumatic Jan. 4/4/22 OB/EP

Purpose: April 2022 GW Sampling
Personnel: O. Batty (OS), E. Poye (EP)
Weather: 37°, partly cloudy, wind SE 7 mph
0840 - ERM on site. Met to RAS Building and held safety tailgate meeting.

0900 - FF-EB (04042022) V, M, PCB

Well ID	PID	DTW
MW-18	0.0	3.89
MW-6R	0.1	3.43
MW-17	1.8	3.37
MW-14A	0.0	2.42
MW-13A	0.0	3.20 ^{OS} 3.11

1120 - FF-MW-13A (04042022) V, M, PCB

1205 - FF-MW-18 (04042022) * V, M, PCB

* MS/MSD

* FF-DUP (04042022)

1435 - FF-MW-17 (04042022) * V, M, PCB

1445 - FF-MW-6R (04042022) V, M, PCB

1600 - FF-MW-14A (04042022) V, M, PCB

1230 - offsite for lunch.

1330 - on site.

1615 - OB completes OM & M. Lead rate DTW=4.75

1625 - ERM offsite.

OMV 130 4/4/22

0631423 Vontier KP/AH 5/2/22

Purpose: Indium loading dock excavation
Personnel: K. Poppyack (KP), A. Harford (AH)
Weather: 52°F, overcast, wind ESE @ 4 mph
0800: All onsite, set up CAMP stations, speak w/ Chris H

0830: Truck goes by DW camp station.

0839: Excavator onsite

0845: Excavation begins

Brown silty sand, moist, chunks of glass, brick, rebar, porcelain, ^{trace} small fire metal, wood frag.

1045: Truck not starting

1100: ERM offsite for lunch

1200: ERM onsite

1215: KP offsite

1250: excavation concluded

downwind CAMP

upwind CAMP

Max: 0.032

Max: 0.019

Twa: 0.009

Twa: 0.006

PID: 0.1 ppm

PID: 0.0

1330 Kitchen excavation offsite

1335 ERM offsite

5/2/22

0631423

Vanier Former
Chicago Pneumatic

OB

Fri. 5/13/22

Purpose: Fan Check & May O&M

Personnel: Olivia Botting (OB)

Weather: 71°, partly cloudy, wind NW 5 mph

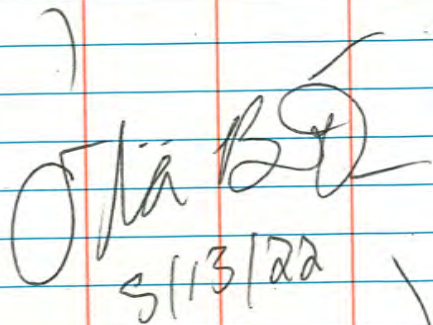
0915 - OB off ERM on site. Mob to
roofs to check fans.0930 - All fans are running. Mob to
RAF to complete O&M.

1000 - OB fills in gopher holes on landfills.

1015 - Tree is on perimeter fence.

1025 - OB asks Cliff from FGI when
they are moving out and he
said probably late summer. The
date is keep getting pushed back.

1030 - OB notices ID and off site.



5/13/22

0631423

Vanier Former
Chicago Pneumatic

OB

Tues. 5/17/22

Purpose: Vacuum measurements, Fan Check

Personnel: O. Botting (OB)

Weather: 53°, cloudy, wind E 11 mph

0845 - OB off ERM on site. Mob to RAF
Building to prepare equipment.

0900 - Mob to roofs to check fans.

0920 - All fans are running. Mob to Environ.
Composites to record vacuum.0935 - Could not access SSV-17 and VS-08
due to running machinery.0940 - Mob to Human Technology. VS-02
is low and visible gap at pipe and
floor.

1025 - Finish vacuum readings at HTC.

1030 - Mob to Indium.

1045 - Finish collection at Indium. Kitchen
excavation is laying asphalt for loading
dock.- Mob to FGI. Many VS and SSV
are covered. Ask them to move
pallets.

1205 - OB off site

1230 - OB on site.

1405 - OB completes vacuum readings at
FGI. Mob to Detonics.

0631423 Vanier Farmer Chicago Pneumatic OB
Tues. 5/17/22

1415 - Sign in at DeJonas and record
vacuum measurements

1510 - Finish at DeJonas

1520 - DTW at MW-18 = 5.09

1525 - Return equipment to RAF Building
and notify Tim Daniluk as to day.

1535 - OB off site.

Mia B. D.
5/17/22

0631423 Vanier Farmer Chicago Pneumatic OB
Mon 5/23/22

Purpose: Fan Check

Personnel: O. Botting (OB) of FRM

Weather: 68°, sunny

1450 - OB on site. Mob to roof to
check fans.

1455 - All are running

1510 - OB off site.

Mia B. D.
5/23/22

0631423

Ventier Former
Chicago Pneumatic

OB

Fri 5/27/22

Purpose: Fan check

Personnel: O. Botting (OB) of ERM

Weather: 72°, sunny

1730 - OB on site. Mob to roof to
check fans.

1735 - All fans are running.

1745 - OB off site.

O. Botting
5/27/22

Ventier Former
Chicago Pneumatic

AH

0631423

Tue 5/31/22

Purpose: Fan check

Personnel: A. Harford (AH) of ERM

Weather: 84°F, sunny

11:40 - AH on site, met Chris Holovitz
for access to roof. Mob to roof to
check fans

11:55 - all fans are running

12:10 - AH off site

A. Harford
5-31-22

0631423 Vontier Former AH
chicago Pneumatic 6/16/22
Thurs.

Purpose: Fan check

Personnel: A. Harford (AH) of ERM

Weather: 77°F overcast

10:45 - AH on site. Mob to roof to
check fans

10:55 - All fans running

11:05 - AH off site

[Handwritten signature]
6-16-22

[Handwritten signature]

0631423 Vontier Former OB
chicago Pneumatic Mon. 6/27/22

Purpose: Fan check & June ~~06/27~~

Personnel: Olivia Botting (OB) of ERM

Weather: 69°, partly cloudy, wind E 16 mph

0920 - ERM on site. Mob to R&F
Building to complete OM & M.

0950 - Complete OM & M. Mob to roof
to check fans. Notify class of S&I
of PSV work.

1000 - All fans are running.

1010 - OB off site.

[Handwritten signature]
6/27/22

0631423

vorhies Former
chicago Pneumatic

AH

7/1/2022

Friday

Purpose: Fan check

Personnel: A. Harford (AH) of ERM

weather: 91°F, sunny

13:00 - AH on site Mob to roof to
check fans

13:15 - All fans Running

13:20 - AH off site

val for
7-1-2022

Vontier Former

AH

0040674

Chicago Pneumatic

9/22/22

Purpose: Fan check

Personnel: A. Hartford (AH)

Weather: part cloudy, 62°F

09:55 - AH onsite mob to the roof to check fans

10:10 - All fans are running

10:15 - AH offsite

al jml

a. r. r.

0631423

Vantier Farmer
Chicago Pneumatic

OB

Fri. 9/30/22

Purpose: Fan check

Personnel: Olivia Botting (OB)

Weather:

1225 - ERM on site. Mob to roof
to check fans.

1245 - All fans are running.

1250 - Mob to RAF Building to turn
on heat and clean.

1305 - ERM off site.

Olivia Botting
9/30/22

0631423

Vantier Farmer
Chicago Pneumatic

OB

Mon. 10/3/22

Purpose: Fan check

Personnel: Olivia Botting (OB)

Weather: 45°, Sunny

0930 - ERM on site. Mob to roof
to check fans.

0950 - All fans are running.

0957 - ERM off site.

Olivia Botting
10/3/22

0631423

Vantier Former CB/MC
Chicago Pneumatic Tues. 10/4/22

Purpose: Semi-Annual GW Sampling

Personnel: O. Botting (CB), Matthew Cameron (MC)

Weather: 45°, overcast, wind

0830 - CRM on site. Mob to RAF
Building to prepare equipment.

0840 - MC signs HASP. Mob to MW-18.

Well ID	PID	DTW
MW-18	0.0	5.70
MW-6R	0.0	4.65
MW-17	6.1	8.73
MW-14A	0.0	4.00
MW-13A	0.0	4.425

1020 - FF-MW-18 (10042022) VOL, Metals, Pest

- MC sets up at MW-14A.

- CB mobs to MW-13A. Observes a
tent, garbage, and shopping cart near
MW-13A. CB notices Tim Daniluk and
does not go near well.1205 - FF-MW-14A (10042022) * VOLs, Metals, Pest
* MS/MSD

1220 - FF-MW-6R (10042022) VOL, Metals, Pest

1300 - MC offsite for lunch.

1315 - MC on site.

0631423

Vantier Former CB/MC
Chicago Pneumatic Tues. 10/4/22

1415 - FF-MW-17 (10042022) * VOL, Pest, Met.

* FF-DUP (10042022)

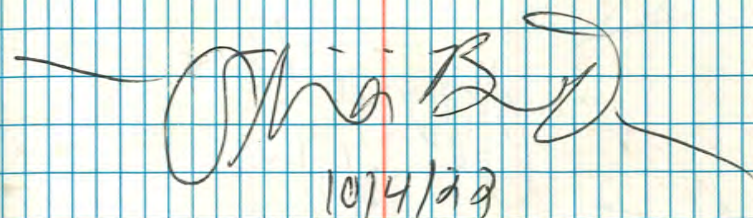
1515 - FF-MW-13A (10042022) VOL, Pest, Metals

1010 - FF-EB (10042022) on masterflex
and HPLC tubing~~1515 - FF-MW-13A (10042022) (CB)~~1545 - Courier on site. CB hands off
Samples. DTW

1600 - Measure leadrate tank = 4.10

1610 - Check fans on roof. TD = 8.25

1625 - All fans are running. CRM offsite.



10/4/22

0631423

Vantier Farmer
Chicago Pneumatic

OB

11/1/22

Purpose: Fan check

Personnel: G. Botting (OB)

Weather: 60°, Sunny

1600 - OB onsite. Mob to FGI to meet
Chris Holowitz of maintenance to
attempt to find PSV-41.

1620 - Pallets are in area. Cannot find
PSV-41.

1625 - OB checks fans on roof.

1635 - All fans are running. OB offsite.

John BT
11/1/22

11/9/22 Ventur Farmer Chicago Pneumatic 0631423

Purpose: Maintenance of Fans

Personnel: K. Popycet, J. Maddox of ERM;
Tim Depice (Fabrication)

Weather: 50°F, wind ESE @ 4 mph

0830: All onsite at the RAF; tailgate safety meeting, discuss today's activities

0930: Sign into Human Technologies

1130: Adjusted VS-04 by adding a flow controller knob at 30%.

Adjusted readings

	Flow	Press.
VS-04	200	6.5
VS-05	299	9.5
VS-06	1510	9

1200: Mob to environmental composites for pressure readings

1230: Back for lunch

1315: Back from lunch; Mob to Diaries

1330: Sign in at front desk

1445: Finish in Diaries - mob to Human Technologies to put valve on VS-10 after turning off Fan 5

Adjusted flow measurements on VS-10:

Flow: 11.5

Pressure: 453.8 → 270

Knob is ~60° from vertical

1600: KP offsite

John A. B. 1

0631423

11/10/22

Ventur Farmer Chicago Pneumatic

Purpose: INSTALLATION OF FLOW VALVES TO VS PIPES.

Personnel: J. MALLS, J. MADDOX OF ERM

Weather: ± 50°F, Sunny, Wind ~ 5 mph ESE

0800: All onsite at the RAF; Tailgate Safety Meeting; discuss today's activities

0830: ERM MOBS TO ROOF TO SHUT OFF FAN #3.

0852: ERM STAYS IN WITH THE FRONT DESK AT DEFENSE.

0855: ERM MOBS TO VS-09

0922: FLOW VALVE INSTALLED AT VS-09 AND IT IS DEVED TO ~30%. ERM MOBS TO VS-11

0943: FLOW VALVE INSTALLED AT VS-11 AND IT IS DEVED TO ~30%.

0952: ERM EXITS DEFENSES AND MOBS TO ROOF. FANS #3 AND #5 RETURNED BACK ON.

1005: ERM MOBS BACK TO DEFENSE.

1008: ERM MOBS TO VS-11 TO GAUGE THE FLOW.

Adjusted Composites	Flow (ft ³ /min)	Pressure (in H ₂ O) (in WC)
VS-11	183	-10.5
SSV-08	N/A	-0.049
SSV-21	N/A	-0.092
VS-12	224	-11.0
SSV-16R	N/A	-0.221
SSV-15	N/A	-0.062
SSV-22	N/A	-0.010

0631423

Vantier Farmer
Chicago Pneumatic

11/10/22

1050 ERM EXITS DEFENDS AND MOBS
TO HUMAN TECHNOLOGIES

1058 ERM SIGNS IN AT HUMAN TECHNOLOGIES.

INSTANT ADJUSTED RECORDING	Flow (ft/min)	Pressure ("WC)
----------------------------------	------------------	-------------------

VS-10 112 -11.5

VS-02 572 -11.5

VS-01 UNABLE TO
USE WIND -11.5

VS-03 ↓ -11.5

1124 VS-02 IS CHANGED FROM 100% ON
TO -30% OPEN WITH THE FLOW VALUE.

ADJUSTED RECORDING	Flow (ft/min)	Pressure ("WC)
VS-01	UNABLE TO USE	-9
VS-02	436	-9.5
VS-03	UNABLE TO USE WIND	-12

1138 ERM SIGNS OUT OF HUMAN TECHNOLOGIES
AND MOBS TO DEFENDS

1140 ERM SIGNS IN AT DEFENDS

1145 ERM MOBS TO VS-09 TO CALIB
RECORDING

VS-09 158 -10.5

1158 ERM EXITS DEFENDS AND MOBS TO
ENVIRONMENTAL COMPOSTS.

1200 ERM SIGNS IN AT ENVIRONMENTAL COMPOSTS.

1201 ERM SIGNS TAKING VS MEASUREMENTS

0631423

Vantier Farmer
Chicago Pneumatic

11/10/22

ADJUSTED RECORDING	Flow (ft/min)	Pressure ("WC)
VS-07	173	-11
VS-08	796	-11
SSV-24	N/A	-0.055
SSV-17	N/A	-0.104

1205 ERM MOBS TO RAF BUILDING

1230 ERM DEPARTS VANTIER.

11/10/22

Vontier Former CB & MD
Chicago Pneumatic Wed. 12/7/22
063423
Purpose: Vacuum Measurements & Dec. OM&M
Personnel: O. Botting (CB), M. Inkawich (MI)
Weather: 50°, rain
0830 - GRM onsite. Mob to RAS Building
to prepare equipment and hold
safety tailgate meeting.
0845 - Door to RAS does not lock. Notify
Tim Daniluk of GRM.
0920 - Mob to roof to check Fans. All fans
are running.
0940 - Begin vacuum readings measurements
in Human Technologies.
1000 - Collect readings in FGI. (could not get
SSV-29 or
1200 - Offsite for lunch. SSV-12.
1230 - Onsite. Mob to Environmental
Composites.
1345 - Mob to Indium for measurements.
1400 - Mob to DeIorios for measurements.
1450 - MW-18 DTW = 4.38. Water present
between PVC riser and steel casing.
1500 - GRM begins OM&M.
1610 - GRM completes OM&M. GRM
off site.

John BD
12/7/22

Vontier
0631423 12/8/22
Purpose: Fan #5 check
Weather: 44°F, cloudy
Personnel: Mikah Inkawich (MI)
1615 MI of GRM on site to check if fan
#5 is working
1630 All fans running
1640 picked up water depth finder from
landfill
1640 MI offsite
*/

12/8/22

MI

12/9/22

Vantier

0631423

Purpose: Check fans

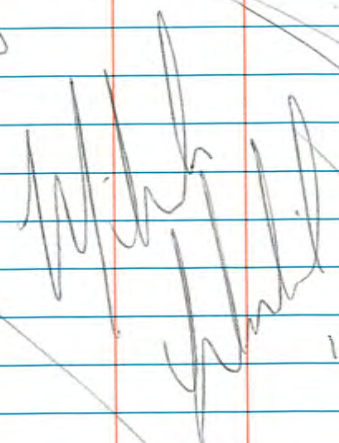
Personnel: Mikah Inkawich (MI) of ERM

Weather: 37°F and sunny

1600 MI on site. Mob to roof to check fan

1620 All fans are running

1625 ERM off site



12/9/22

0631423

Vantier

12/12/22

Purpose: Check fans

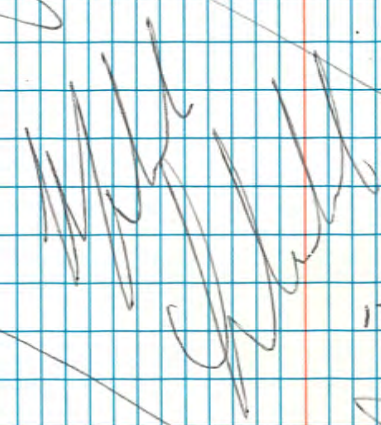
Personnel: Mikah Inkawich (MI) of ERM

Weather: 30°F and cloudy

1220 MI on site. Mob to roof to check fan

1240: All fans are running

1245: ERM off site



12/12/22

1/5/22

65° in
39° out cloudy

HURIBURT on site for weekly
samples @ 14:34

MW2 high level alarm on
AIR STRIPPER low air alarm on

changed p1 + p2 filters

MH1 @ 15:10 pH 8.41

MH2 @ 15:00 pH 7.94

EKK @ 15:05 pH 8.79

MH1 16056310

MH2 03143487

FS 00077075

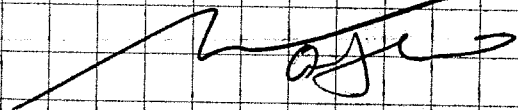
EKK 91773599

BFM 10312009

HA RESET

MH2 still high

CHA off site @ 15:02



out = 29°F

in = 46°F

1.12.22

CHA onsite at 08:55 for weekly sampling

MH-2 High Sump Alarm active

System not running

MH-2 Pumps 3 & 4 active but ^{slow} no flow
into tank — frozen? ^(P)

MH1 16672495

MH2 3143487

Effluent 41805315

Flux Sump 27075

BFM 1035241.5

Changed A & P2 filters

Samples

MH-2 09:25 pH = 6.2

Effluent 09:35 pH = 7.2

calibrated pH meter

rechecked MH-2 / Effluent pH values — accurate ✓

Reset system — MH-2 sump still activated
CHA offsite at 10:00

1/19/22

66°F in Cloud:
41°F out

HURIBURT on site for weekly
samples @ 15:57

MH2 High level alarm active

changed P1 + P2 filters

MH2 @ 16:10 pH 6.1

Effluent @ 16:15 pH 6.8

MH1 16685700

MH2 03143487

FS 00027075

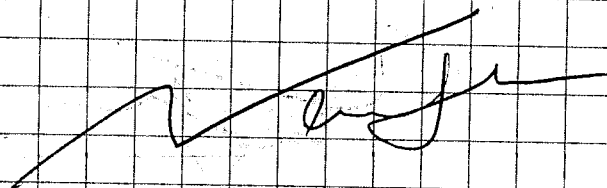
EFF 41835247

BFM 10390613

HH reset

MH2 SUMP still active

CHA OFFSITE @ 16:30



1/27/22

66°F in
21°F out sunny

HURIBURT on site @ 12:40 for
weekly samples

MH2 High level alarm active

changed P1 & P2

MH2 @ 12:55 pH 7.2

Effluent @ 13:00 pH 7.1

MH1 16690414

MH2 03143487

FS 00027075

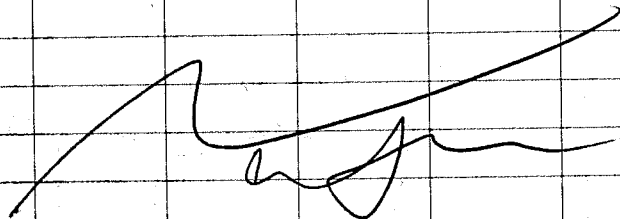
EFF 41863045

BFM 10426241

HH Reset

MH2 high active

CHA off site @ 13:20



2/2/22

68°F in
38°F out

HURIBURT on site @ 11:35 for
weekly samples

MH2 High level alarm active

changed P1 & P2

MH1 @ 11:55 pH 7.1

MH2 @ 11:50 pH 7.0

Effluent @ 12:00 pH 7.2

MH1 16702016

MH2 03143487

FS 00027075

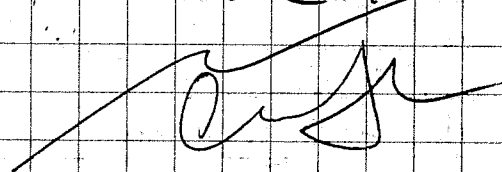
EFF 41880851

BFM 10449038

HH Reset

MH2 high level alarm active

CHA off site @ 12:40



2/10/22

68°F in
40°F out

HURIBURT on site @ 14:00 for
weekly samples

MH2 High level alarm on

Changed P1 + P2

MH2 @ 14:30 pH 7.0

EFF @ 14:35 pH 7.1

MH1 16711039

MH2 03143487

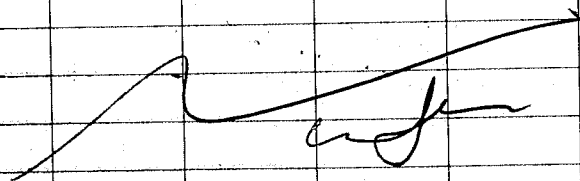
FS 00027075

EFF 41906723

BFM 10482217

HTH Reset

MH2 High level alarm active
CHA off site @ 14:45



2/17/22

60°F in
48°F out

HURIBURT on site @ 14:22 for
weekly samples

MH2 High level alarm on

Changed P1 + P2

MH2 @ 14:30 pH 6.9

EFF @ 14:35 pH 7.5

MH1 16719144

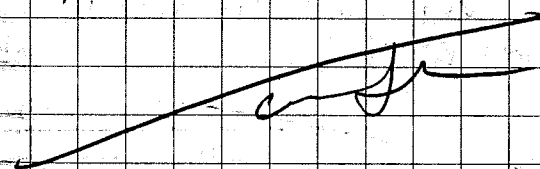
MH2 03143487

FS 00027075

EFF 41929652

BFM 10511743

HTH Reset & EQ tank low
MH2 High level alarm active
CHA off site @ 14:49



2/23/22

34°F = out

67°F = in

HURIBURT on site @ 11:55
for weekly samples

MH1 & MH2 high level alarm
active

changed P1 + P2

MH2 @ 12:05 pH 6.9

EFF @ 12:10 pH 7.2

calibrated pH meter

MH1 16743102

MH2 03143487

FS 0027075

EFF 41968424

BFM 10562317

Hyt reset

MH2 High level alarm active
CHA OFFSITE @ 12:50

3/1/2022

outside 36°F
inside 58°F

Onsite at 1305 for monthly
sampling and to meet with
GRM regarding building mitigation
MH2 high alarm

Changed P1 + P2 bag filters

GRM offsite @ 1340 - discussed
system and how it works

MH1: ~~16~~ 16757202

MH2: 3143487

BFM: 10599300

Sump: 27075

Effluent: 41997003

MH1 pH 7.3

MH2 pH 7.2

Effluent pH 7.4

MH2 high alarm still active,
pumps on

offsite @ 1405

J. Miller

3/10/22

36°F = out
67°F = in

HURIBURT on site for weekly
sample collection @ 11:40, no alarms

Changed P1 + P2
MH2 @ 11:50 pH 7.1
EFF @ 11:55 pH 6.9

MHI 16777089
MH2 03143487
FS 00027075
EFF 42037112
BFM 10651017

HIT Reset ~~and~~
~~NO alarms~~

MH2 & MHI High
level alarm active

CHA off site @ 12:10

3/16/2022

out = 38°F
in = 64°F

CHA on site at 0800 for weekly sampling.
Left site at 0802 to pick up gloves from
Home Depot. Returned at 0845

MH-1 and MH-2 high sump alarms
active

Cleared MH-1 high sump alarm
MH-2 high sump remained active

Changed P1 & P2 filters

MHI 16796525
MH2 3143487
FS 27075
Effluent 42070278
BFM 1069381.5

MH-2 @ 9:20 pH = 6.5
Effluent @ 9:35 pH = 7.4

MH-2 high sump alarm still active
CHA off site at 09:45

3.23.22

out: 31°F
in: 56°F

CHA onsite at 08:05 for weekly sampling
MH-2 High Sump alarm active.
Air Stripper running upon arrival.

Changed P1 & P2 filters after sample
collection because system running.

MH-1	16819979
MH-2	3143487
FS	27075
Effluent	42111365
BFM	1074666.5

MH-2 @	08:20	pH = 6.3
Effluent @	08:30	pH = 6.7

Used antiseize lubricant (low VOC) on eye
bolts for the bag filters.

CHA offsite at 0910

KE

3.29.22

out: 34°F
in: 62°F

CHA onsite for weekly sampling at
14:25. MH-2 high sump alarm active
upon arrival.

Changed P1 & P2 filters

MH-1	16836806
MH-2	3143487
FS	27075
Effluent	42142444
BFM	1078636.7

MH-2 @	14:45	pH = 6.3
Effluent @	14:55	pH = 6.7

During bag filter changeout, water level in bag
filters low. Allowed system to run for 15
minutes after sampling. Periodically bled air
from bag filters during that time.

CHA offsite at 1520

KE

4.7.22

out: 43°F
in: 61°F

monthly
CHA on site for ~~weekly~~ sampling
@ 9:01
MH2 High level sump active
Air Stripped Running upon arrival

changed P2 Filter after
sample collection because system
was running

MH1 16854689
MH2 03143487
FS 00027075
EFF 42181758
BFM 10836894

MH1 @ 9:10 pH 6.2
MH2 @ 9:15 pH 6.4
EFF @ 9:20 pH 6.5

HA reset
MH2 High level active
CHA offsite @ 9:42

4.13.22

out: 47°F
in: 60°F

cloudy, rain
CHA on site for weekly sampling at 0820.
MH-2 high sump alarm active upon
arrival

Troubleshooting the system wireless connection.
Switched from auto to manual and back to auto.

MH1 16884189
MH2 3143487
FS 27075
Effluent 42230945
BFM 1090006.7 ft³

Changed P1 & P2 Filters.
EQ tank pump activated at 1967 gallons
in tank.

Effluent @ 0905 pH = 6.8
MH-2 @ 0915 pH = 6.9

MH-2 high sump alarm still active.
CHA offsite at 0930

4.19.22

~~SNOW~~ out: 35°
SNOW in: 65°

CHA on site for weekly sample collection @ 9:10

MHZ High level alarm active

changed P1 + P2 filters

MH1 16900955

MH2 03143487

FS 00027075

EFF 42269328

BFM -1094935.1

MHZ @ 9:45 pH 6.4

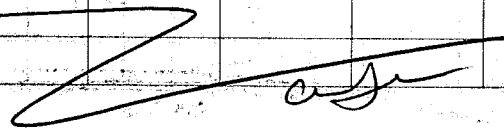
EFF @ 9:55 pH 6.7

Trouble shooting the system wireless connection.

Hit Reset

MHZ High level alarm

CHA off site @ 10:35



4.26.22

cloudy/in: 64°
rain out: 52°

CHA on site for weekly sampling @ 13:05

MHZ High level alarm active

AIR STRIPPER running upon arrival

- Changed P1 + P2 filters after sample collection because system was running

MH1 16934145

MH2 03143487

FS 00027075

EFF 42330779

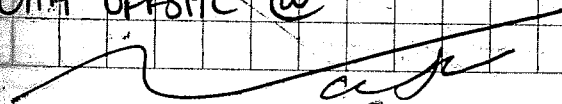
BFM 1102649.7

MHZ @ 13:20 pH 6.9

EFF @ 13:15 pH 6.8

Hit Reset, MHZ High level alarm active

CHA off site @



5.2.22

68 in
cloudy 55 out

CHA on site @ 10:10 for monthly sampling

MH1 & MH2 High level alarm active

changed P1 + P2 filters

MH1 16944932

MH2 03143487

FS 00627075

EFF 42356461

BFM 1108825.7

MH1 @ 10:15 pH 6.3

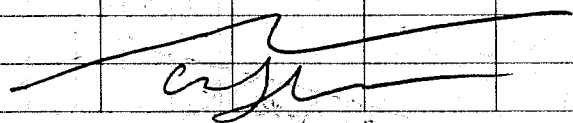
MH2 @ 10:20 pH 6.5

EFF @ 10:25 pH 7.4

MH1 Reset

MH2 High level alarm

CHA off site @ 10:40



5.10.22

71 in
sunny 70 out

CHA on site @ 12:30 for monthly monitoring/sampling

MH2 High level alarm active

- changed P1 + P2 filters after sample collection because system was running

MH1 16955288

MH2 03143487

FS 00627075

EFF 42390151

BFM 1109997.3

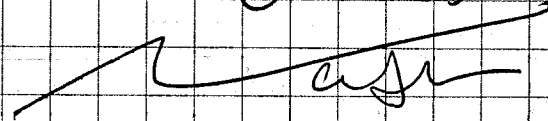
MH2 @ 12:40 pH 6.9

EFF @ 12:35 pH 6.8

MH1 Reset

MH2 High level alarm active

CHA off site @ 12:55



5.18.2022

Sunny
out: 60°F
in: 72°F

turned off heaters

CHA onsite for weekly sampling at 10:20.

MH2 High Sump Alarm active.

Kayn Ehman & Andrew Patrelli

Changed P1 & P2 filters

MH1 16963159

MH2 3143487

FS 27075

Effluent 42416505

BFM 1113264.1

MH2 @ 1105 pH = 6.6

Effluent @ 1120 pH = 7.5

Reset the system. MH2 high sump alarm remains active

Offsite at 1140

VE

5.25.2022

Sunny
out: 61°F
in: 70°F

CHA onsite for weekly sampling at 0800.

MH2 High Sump Alarm active.

Changed P1 & P2 filters

MH1 16969762

MH2 3143487

FS 27075

Effluent 42439248

BFM 1116021.8

MH2

Effluent @ 0925 pH = 7.0

MH2 influent not producing water despite both pumps on.

Pro Control system not connected

0930 turned off system to attempt reset

turned system back on

MH2 still not producing water. Unable to sample.

Offsite at 1020

6.1.2022

CHA on site for MH2 troubleshooting and maintenance at 0815.

Paragon already on site. (PEC) Bruce, Nick, Mark Utilized vacuum truck to pump high water from MH-2 (~ 3,000 gal to fill truck)

Discharged water from vac truck to MH-1 to be pumped into the treatment system

Changed filters 2x to keep system running.

PEC cleaned sludge out of manhole adjacent to manhole w/ pumps. Continued pumping from MH-2.

MH-1 pump #1 appears to not be functioning after first discharge from vac truck. Using MH-1 pump #2 to evacuate MH-1.

1015 PEC working on cleaning sludge from MH-2.

Rain storm / thunder / lightning began.

Effluent flow meter does not appear to be working.

1057 Thunderstorm has stopped.

PEC troubleshooting floats

MH-2 floats functioning

Alternatingly turn on the 2 pumps and high sump alarm activates

PEC found a bag filter and chunks of a bag filter sucked up in at least one of

the two pumps. Most likely fried the motor since the pumps will not turn on. PEC removed as much of the bag filter as possible.

1200 CHA call to Sam Miller to provide update.

Need to replace pumps

PEC not able to do that today without an electrician to wire the pumps.

PEC used influent cleanout inside treatment building to suck anything clogging MH-2. Some gritty, black sediment was extracted. CHA notes flow meters don't appear to be functioning.

MH1 flow meter not reading when MH-1 pump #1 operating.

Effluent flow meter not showing GPM when pump 6A operating

Both flow meters were removed and checked - appear to function fine under high flow but not low flow conditions.

14:00 PEC off site

CHA to stay to operate system and collect monthly samples.

6.1.22 continued

Out: 70°F

In: 69°F

rain/thunder
storm

CHA on site for monthly sampling. MH-2 pumps not functional at this time and will not be sampled. MH-1 high sump alarm active due to discharging water from MH-2 to MH-1 during maintenance / troubleshooting.

MH-1 169.79246

MH-2 343487

FS 27075

Effluent 42457359

BFM 1118783.0

See notes on previous page for comments on flow meters. Changed P1 & P2 filters multiple times today.

MH-1 @ 1605 pH = 6.3

Effluent @ 1710 pH = 7.5

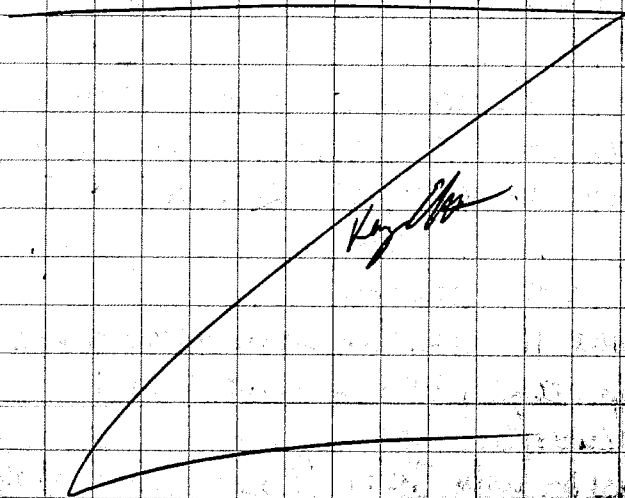
MH-1 pump active, but not filling EQ tank. Potential backflow preventer issue because pump #2 for MH-1 (high velocity & higher sediment load) appears to be fully functional. Pump #1 for MH-1

not fully functional. Discharging MH-1 pump #1 to the floor sump to then have water pumped to the EQ tank.

MH-1 pump #1 active but not filling EQ tank. Cannot leave MH-1 pump #2 operating overnight. CHA decision to turn off system after sample collection.

Will regroup and return to look at backflow preventer, pumps and flow meters.

CHA offsite at 1725



6.6.22

CHA on site for system maintenance at 0750.

Paragon (PEC) on site at 0805. Nick/Bruce

Also on site at 0900 - jet cleaners

PEC extracting water from MH-1 b/c not pumping correctly

PEC cleaned backflow preventer (ball check valve) on MH-1 line to see if that fixes problem.

Bumped ~ 3200 gal from MH-1 and discharging to EQ tank. (2x)

Pumped EQ tank all the way down & cleaned with pressure washer.

Removing sediment laden water via vac truck.

~ 10:30 Also sent off site as the water level in both manholes prevents them from line jetting the system

Need Y filter strainers

Attempted to filter the water via gravity through bag filters and into MH-1.

Unsuccessful.

Discussion with Jerry & Sam came to the

agreement to let the vacuum truck sit on-site overnight to settle all solids. Use a submersible pump to decant cleaner water to MH-1. Place all sludge in 55-gallon drums for waste characterization and offsite disposal.

1410 Restarted MH-1 pumps to fill EQ tank. Tank filling with pump #1 but flow meter reading 0.0 gpm

1430 PEC offsite

CHA sent email to Sam Miller & Jerry Howell (PEC) describing upcoming work.

CHA pumping cleaner water through the system to flush sediment out. Allowed MH-1 to pump and fill EQ tank enough to push ~ 1000 gallons through the system between 1445 and 1545

CHA to order more filters (P1 & P2) and the screens on the Hayward Y strainer.

CHA offsite at 1555.

6.7.22

in = 72°F

out = 70°F

Sunny

CHA onsite at 0745

MH-1 and MH-2 high sump alarms active

MH-1 pump #1 on - still trickling in at approximately 2-3 gallons per minute.

No flow registering on the MH-1 influent flow meter.

PEC onsite at 0805 - Nick & Bruce

PEC unloaded 4 55-gal steel drums.

Water in vacuum truck has settled. About 4 inches of sludge on bottom.

0822 turned on MH-1 pump #2

PEC discharging clean (no sediment) water to MH-1

CHA went to Walmart to pick up fishing net and duct tape. Used fishing net to remove lumps of grass/weeds and stones from bottom of MH-1.

PEC dewatering water and containing sludge.

CHA also onsite to conduct weekly monitoring. MH-2 high sump alarm active.

MH-2 pumps remain non-functional.

Unable to sample MH-2

Changed P1 & P2 filters

Items that don't appear to be working

1. MH-2 pumps (both)

- floats appear to function

2. MH-1 flow meter when pump #1 active

3. MH-2 flow meter

4. Floor Sump flow meter

2 55-gallon drums filled with sludge, labelled and left outside.

Weekly readings

MH-1 16985870

MH-2 3143487

FS 27075

Effluent 42472482

BPM 1120583.7

Effluent @ 1025 pH = 6.1

PEC offsite at 1030.

CHA offsite at 1040.

6.15.2022

OUT = 70°F
IN = 72°F

CHA onsite for weekly sampling at 0805.

Replaced strainer at Hayward Y located before effluent pumps 6A and 6B.

Changed P1 & P2 filters.

Conversation with Jerry Howell (PEC) on drive to site indicated the proposed electrician will stop out on site this morning to meet me and gain information for his price quote.

MH1	17016621
MH2	3143487
FS	27075
Effluent	42497410
BFM	1124194.3

MH-1 changed by ~ 31,000 gallons while effluent only changed by ~ 25,000 gallons. MH-2 still offline and not pumping. Unable to sample MH-2.

Effluent @ 0925 pH = 6.6

Jim with Angler Electric onsite at 10 on
CHA offsite at 1040.

6/22/2022

out: 66°F

in: 70°F

CHA on site for weekly monitoring at 1000

MH2 high alarm - working through troubleshooting with the electrician

Changed P1 + P2

Sampled Effluent @ 1015 pH 6.6
No MH2 sample due to pump issues

MH1	17040907
MH2	3143487
FS	27075
BFM	11270.227
Effluent	42522098

offsite @ 1040

Spiller

6/30/22

Sunny AT = 82°F
M = 80°F

CHA on site for weekly samples
and pumping of manholes @
8:00 → new pumps

Paragon began pumping MH1 @
8:05

MH1 & MH2 High Sump Level
alarm active

changed P1 + P2 @ 9:10

changed P1 + P2 @ 12:15

Difficulties w/ Electrician, waiting
for equipment

changed P1 + P2 @ 14:45

changed P1 + P2 @ 16:04

→ new pumps completed @ 15:30

CHA went to sample MH2 @ 15:30

no water. MH2 not fixed

MH1 17062008

MH2 03143487

FS 00027075

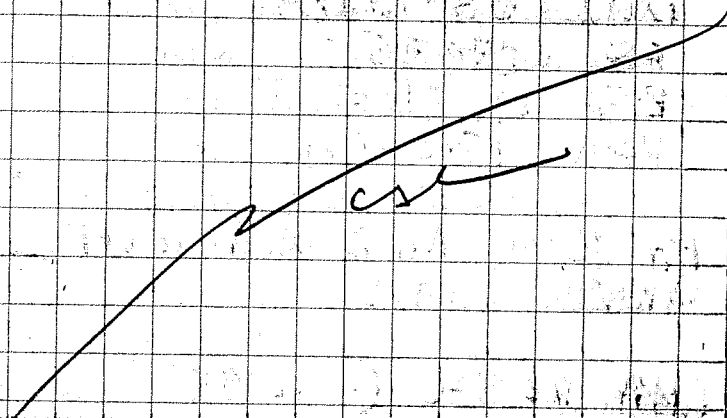
EKF 92549051

BFM 1730047.2

EKKluent @ 16:15 pH 7.3

HH Reset, MH1 high
level alarm active

CHA OFFSITE @ 16:50



7/5/22

cloudy 84 68
in 71.

CHA on site for ^{morning} ~~weekly~~ sample
collection @ 12:00

MH1 & MH2 High level alarm
active

Changed P1 + P2 filters

MH1 @ 12:30 pH 7.1

EKK @ 12:35 pH 6.9

MH1 17062008

MH2 03143487

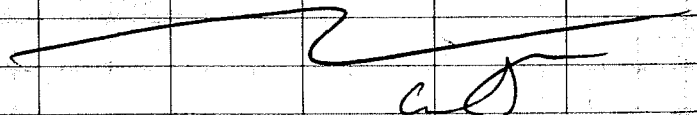
FS 27075

EKK 42568125

BFM 1132364.4

MH1 Rset, MH2 High level
Alarm active

CHA OKK site @ 12:45



7/8/2022

55°F outside sunny 72°F in

- on site at 0800 to troubleshoot
MH2 alarms and pumping
issues

- PEC on site (Wick + ^{Eddie} ~~Barry~~)

- Pumped MH2 via vac truck into
MH1 so that we could apply
vacuum to MH2 to try to
dislodge obstructions

- Changed P1 + P2 @ 0843

- Attempted to vacuum but was
unsuccessful

- attempted to snake but could only
get approx 30 feet from the
manhole, will need someone to
get the line

- left MH2 apart, closed cover

- PEC offsite 1005

- turned system on to pump MH1
down + clear alarm

- Effluent pump b6s appears to have an
issue + pumps very slow however b6s
won't turn on in auto (has in manual)
will need to troubleshoot →



7/13/2022 Conts

- Pumped system and cleared MTH1 high alarm
- Changed P1 + P2 @ 1150
- pumped EQ to low alarm to troubleshoot air stripper (does not appear to turn off)
- Air stripper stayed on even after waiting 20 minutes

Leaving with MTH1 alarm off
MTH2 pumps off
EQ low alarm on
Air stripper running

CHA off site 1230

A. Miller

7/14/2022

57° in
sunny 73° out

CHA on site for weekly samples @ 10:45

MTH1 & MTH2 High level alarm active

Changed P1 + P2 filters

EFF @ 11:00 pH 7.1

MTH1 17062138

MTH2 03143487

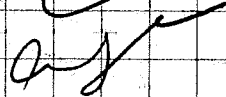
FS 00027075

EFF 42573779

BFM 1133834.8

HAH Reset, MTH1, MTH2 High level alarm

CHA OFF SITE @ 11:15



7/20/22

Sunny 90° in
79° at

CHA ON SITE FOR WEEKLY
SAMPLE COLLECTION @ 14:50

MH1, MH2, EG TANK HIGH
ALARMS ACTIVE

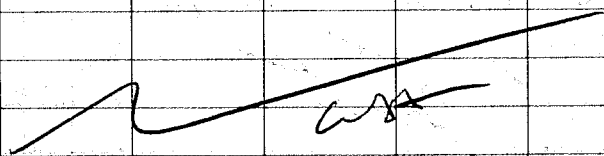
CHANGED P1 + P2 FILTERS

EKF @ 15:10 PH 6.9

MH1 17066972
MH2 03143487
ES 27075
EKF 4257826
BFM 1135837.0

MH1 RESET, MH2 & AIR STRIPPER
LOW PRESSURE ALARM ACTIVE

CHA OFFSITE @ 15:30

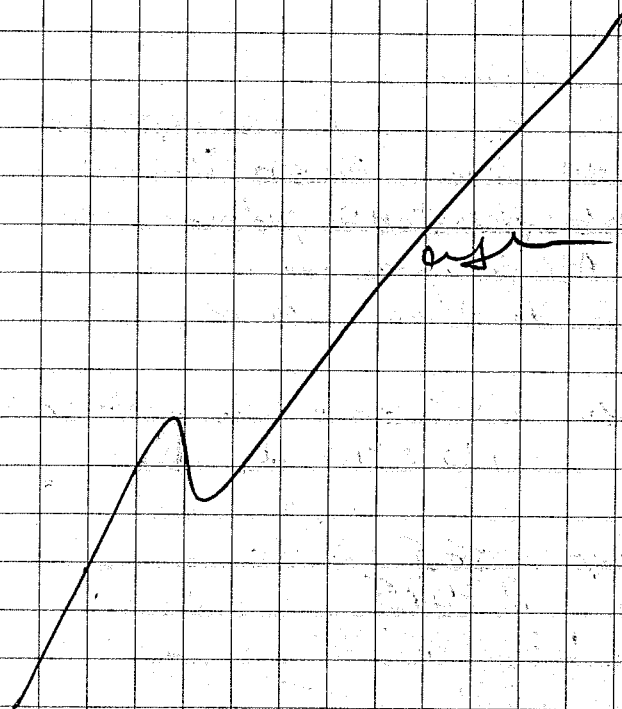


7/21/22

@ 5:25
CHA ON SITE, VFD 1 EQ
EKF1 PUMP ERROR, OVERLOAD
SWITCH

SWITCHED BREAKER

OFFSITE @ 5:32



7/28/2022 82°F Sunny 82°F inside

On site for weekly samples @ 1050

- MHI, MHI2 + 60 Sump high
alarms on

- Reset system + MHI began to
pump, 60 Sump off
MHI2 remains high b/c pumps
are not on - system down

- P1 + P2 changed

- MHI was running but there appears
to be an issue causing water to
rise into the MHI2 pipe + leak

- ~~turn~~ AS low pressure alarm on

- ran AS to clear alarm

Sampled Effluent @ 1140 pH 6.3

MHI 17074012

MHI2 3143487

Effluent 42580750

Sump 27075

BFM 1130435.7

offsite @ 1210

A. Miller

8/4/2022 88°F Overcast 79°F inside

085 PGC and AALCO - The Drain Doctor
on site to jet the line between
MHI2 and the building

Ran water through the system
twice; "Chocolate milk" like color
and sediment but no apparent
obstruction

Changed P1 + P2 filters
0930 Connected to the cleanout
inside the building to push
water through the opposite
direction. Water appeared
to go through but still
not hearing/seeing from
either end

1045 AALCO offsite.

Tagged pressure in the system
a few times via ball valve
Appears to have cleared the
buildup.

1130 Reconnected piping in MHI2
and turned on the pumps

→

AM

8/4/2022 cont.

Turned system on auto and
M#1 high. & EQ Lolo turned on
which turned off M#1 + M#2
pumps. Manually pumped
M#1 + M#2

Filled EQ tank by pumping
Turned system back to auto
EQ Lolo cleared and pumps from
M#1 started on ~~auto~~ automatically
along w/ M#1 high alarm
Manually turned on M#2
(no high alarm) and tried to
sample, no water. PEC used
a snake to clear port and a
large chunk of buildup cleared
Water flowed

Changed P1 + P2 filters
1245 - PEC offsite
CHA stayed to run the system
and change bag filters as
needed

Changed P1
Ran system

— DAM

8/4/2022 cont.

Changed P1 + P2 @ 1305
Ran system to low
Changed P1 + P2 @ 1550
All alarms cleared
System is running in auto

Sampled M#1 @ 1400 pH 6.1

Sampled M#2 @ 1405 pH 6.0

Sampled Effluent @ 1410 pH 6.2

M#1: 17092048

M#2: 03143487

Sump 27075

BFM: 11390539

Effluent: 42592639

— Offsite @ 1410

— Miller

8-11-22 0800

Sunny OUT - 63°F
IN - 74°F

AH onsite for
Weekly Sampling and AIR stripper
cleaning. Done by Paragon Env.

MH1 ^{high} Level sump Alarm on
Air stripper Low air pressure Alarm on

Changed filters

MH2 @ 8:05 - pH 7.0

[Effluent @ 8:10

pH - 7.1

MH1 - 17092367

MH2 - 03143487

Sump ~~PH~~ - 27075

BFM ~~PH~~ - 1139754.2

Eff ~~PH~~ - 42594247

Paragon will weedwack around Eff.
discharge.

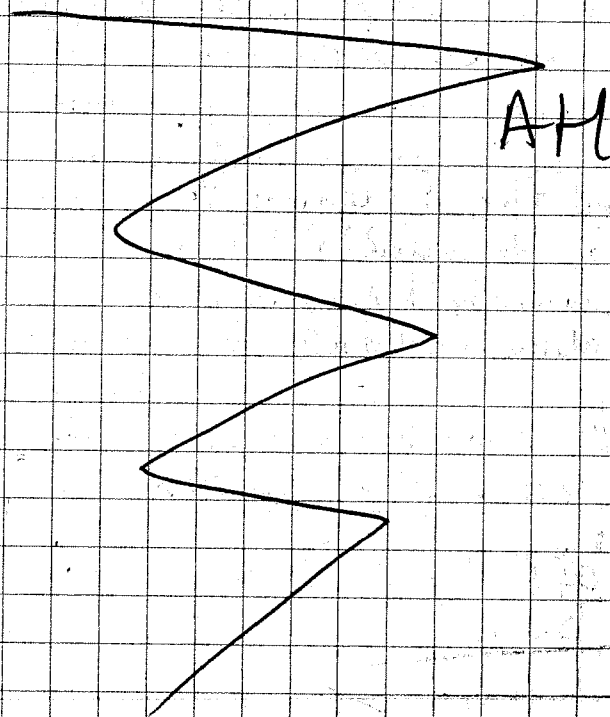
Electrician onsite @ 11:00 for control box
troubleshooting.

Could not figure out the issue but
said everything was good

Electrically, they think it could be
a pump issue or programming issue.

Left with system turned off because
Paragon will finish cleaning the
air stripper tomorrow.

Offsite @ 15:00



8-12-22

Sunny Out-57°F
In-73°F

AH onsite @ 8:00

Paragon Env. is finishing up cleaning the air stripper.

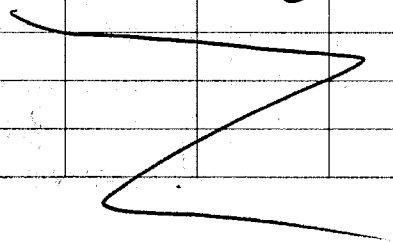
Drilled holes in the trays and pressure washed. Put everything back together and cleaned sump.

Turned the system back on and no alarms were active but had to be turned on manually.

Turned the Procontrol Box from manual to auto and it kicked on automatically but the MH1 high sump alarm still came on.

Left everything on auto besides the second MH1 switch

AH off site @ 13:15



8-17-22

Cloudy In-73°F
Out-64°F

AH on site for weekly sampling @

8:00 high sump

- MH1 alarm on along with EQ tanks level high

- manually turned on BPS to let water move through system and high EQ sump turned on

- MH1 high sump alarm still on

- Changed bag filters

Sampled MH2 @ 8:35 pH-7.1

Sampled Effluent @ 8:30 pH-6.9

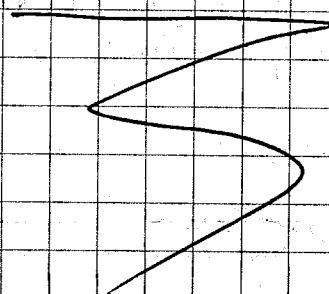
MH1 - 1709380.6

MH2 - 3143487

Sump - 27078

BFM - 1141138.9

Eff - 42602373

AH off site
9:30

8-25-22

Sunny at = 70°
in =

CHA on site @ 10:30 for weekly
sample collection

MHI alarm active, Eq tank high
alarm active

changed P1 + P2 filters

MHI 17103114

MH2 03143487

FS 27078

EFF 42650900

BFM 1147825.7

MH2 @ 10:35 pH 7.0

EFF @ 10:40 pH 7.90

HH reset, no alarms active
left everything in auto besides

MHI pump 2

CHA offsite @ 11:00

9-1-22

cloudy out-64°
in-73°

CHA onsite @ 11:15 for monthly
sampling

Eq tank high alarm is on

changed P1 + P2 bag filters

MHI - 17110349

MH2 - 03143487

FS - 27078

EFF - 42717032

BFM - 1155334.6

MHI pH @ 11:30 - 7.1

MH2 pH @ 11:30 - 6.3

EFF pH @ 11:35 - 7.1

Reset system and no alarms were active
and left everything in auto besides
MHI pump 2

Afh
offsite 12:15

9-7-2022

out: 70°F

in: 72°F

partly cloudy,
rain expected

CHA on-site at 0900 for weekly sampling. EQ high level alarm active when I arrived.

EQ pump 6A actively drawing down water level and pumping at ~120 gpm. AS Air Stripper active.

CHA to troubleshoot EQ pump VFD. All parameter settings match sheet E-10. VFD set to run at 60 Hz - max parameter setting.

Over the last few months, EQ pump 6A found to be running slowly and ~~was~~ unable to keep up with filling EQ tank. No changes made, but pump 6A appears to be operating at full speed. Pumps 6A and 6B are not cycling correctly at this time.

MH-1 17121288

MH-2 3143487

PS 27078

Effluent 42777344

BFM 1162180.8

CHA manually operated floor sump to drain it.

CHA compared flow rates for EQ pumps 6A and 6B (operated manually) and they appear to be equal (~130-150 gpm).

Changed P1 & P2 filters.

Calibrated pH meter.

note: Δ effluent 8.25 to 9.1 = 66,132 gal

Δ effluent 9.1 to 9.7 = 60,312 gal

weekly totals much higher than historical (~20,000 - 25,000). System still draining backup of groundwater.

MH-2 @ 11:10 pH = 6.5

Effluent @ 11:30 pH = 7.3

1148 CHA takes system offline to remove modem and Pro Control system for upgrades at the EOS office in Rochester, NH.

1210 CHA offsite.

7/9

9.15.22

in: 4°F
out: 68°F
Sunny

CHA onsite at 1320.

CHA reinstalled ProControl PLC and modem.

Restarted system at 1340.

MH-1 and MH-2 high sump alarms
activated immediately, as to be expected.

Allowed system to run in Auto for ~2 hours
while CHA observed and changed filters as needed.

- Notes:
- System is cycling between 6A and 6B
 - MH-1 pump #2 still too fast and stir
up sediment causing frequent
filter changes.
 - MH-1 and MH-2 influent flow meters
are not recording
 - 6A effluent pump operating at sufficient
gpm to keep up with influent.

Begin weekly sampling effort at 1530.

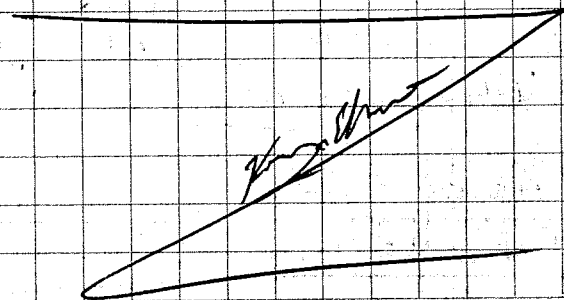
MH-1	17121592
MH-2	3143487
FS	27078
Effluent	42784943
BFM	1163049.6

Changed P1 & P2 filters
(3 filter changes total today)

MH-2 @ 1540	pH = 6.4
Effluent @ 1600	pH = 7.1

MH-1 high sump alarm still active. System
running as intended apart from flow meters.

CHA offsite at 1620.



9-21-22

 out: 64°F
 Sunny
 in: 70°F

CHA onsite for weekly sampling at 0940.
 EQ tank high level alarm and MH-1 high
 sump alarm active upon arrival. ~~EQ~~
 Effluent pumps 6A and 6B not active despite
 EQ tank high level. Immediately changed P1 &
 P2 filters in case they were clogged. (brown
 but not overly clogged). EQ 6A pump activated
 during filter change. Allowed system to run.
 MH-1 flow meter operating today (between
 5 and 30 gpm - bouncing all over the place)

MH-1	17132659
MH-2	3143487
Effluent	42852754
FS	27078
BPM	1170747.5

MH2 at 1015 pH = 6.4
 Effluent at 1040 pH = 7.3

All alarms cleared at 1055.
 CHA offsite at 1100.

can system
 manually to get
 effluent sample.

9-28-22

 out - 54°F
 In - 64°F
 Cloudy

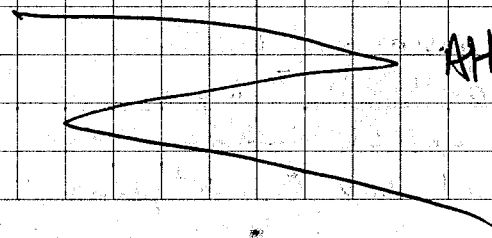
CHA onsite @ 9:00 for weekly
 sampling. Manhole 1 high sump
 level on. Eq tank high sump
 on as well. Changed bag filters
 System kicked on automatically Eq
 tank went from 1970 to 1034.

MH-1	17151429
MH-2	3143487
Effluent	42933642
FS	27078
BPM	1179935.1

MH-2 @ 9:20 pH = ~~5.6~~ 6.3
 Eff. @ 9:15 pH = 5.6

trouble shooted to clear alarms

CHA offsite @ 10:15



10/6/22

Out - 84°F
In - 70°F
Sunny

LHA onsite @ 12:00 for weekly sampling
MH-1 High sump alarm + EQ tank
alarm are on.

Changed bag filters

Manually ran EQ pump 6B
to reduce EQ tank level, and get
effluent sample. Kept it running and
then EQ low level alarm came on. Put
MH1 - 17174798 Everything back on
auto

MH-2 - 3143487

Eff - 43015967

FS - 27078

BFM - 1189267.3

MH-1 pH - 6.7

MH-2 pH - 6.9

Eff pH - 7.1

Reset system and EQ tank low alarm
is still on with 748 gallons in the tank.
Manually ran MH1 + MH2 pumps to fill
tank back up to 1018 gallon hit reset
and Low EQ level turned off.
CHA offsite @ 13:30  AH

10/12/22

Out - 53°F
In - 64°F

LHA onsite @ 9:25 for weekly
sampling, MH-1 and High EQ alarm
are on.

Changed P1 + P2 Bag filters

Manually ran system to take samples
Reset system and all alarms were off

MH-1 - 171886412

MH-2 - 3143487

Eff - 43064035

FS - 27078

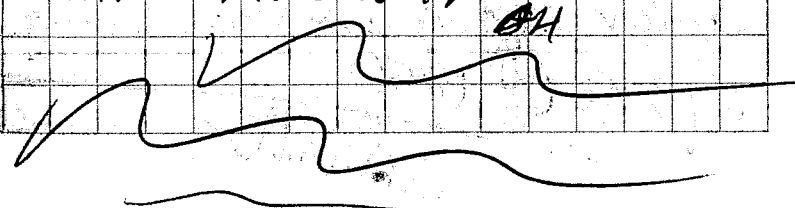
BFM - 1194698.3

MH-2 pH - 6.6

Eff pH - 7.3

Sampled and no alarms active
Everything left on Auto besides
MH-1 pump 2.

CHA offsite @ 10:15

 AH

10/21/2022 outside 61°F in: 61°F
CHA on site for weekly sampling

MH1 + EQ Tank high alarms
Changed P1 + P2

System will not turn on even
though it's in auto. Cycled
through the options

Reset the system and set to
auto, appears to be functioning
Alarms cleared

Water in the sump is being
pumped

Sampled MH2 @ 1230 pH 6.9

Sampled Effluent @ 1235 pH 7.2

MH1 17212430

MH2 3143487

BFM 12031465

Sump 27078

Effluent 43138781

System left in auto - no alarms
offsite @ 1250

Amiller

10/26/2022

out = 64°F

in = 68°F

cloudy, no rain

CHA on site for weekly sampling at 0848.
EQ High Level Alarm active upon arrival.
Emails indicate EQ High Level alarm at
0547 and 0851 today.

Changed P1 & P2 filters, calibrated pttmeter.

MH1 17222082

MH2 3143487

BFM 1206629.7

Sump (FS) 27078

Effluent 43169555

Δ Effluent 10/21 $\rightarrow$ 10/26 = 30,774 gal

Δ BFM 10/21 $\rightarrow$ 10/26 = 3483.2 ft³
 $\rightarrow$ 32,793.8 gal

Waited 32 minutes from last EQ high level alarm.
Effluent Pumps did not activate automatically.
~~Placed sys~~ Used "Hand" to activate pump 6B

MH-2 @ 0945 pH = 7.0

Effluent @ 0930 pH = 7.1

No Alarms. CHA offsite at 1000.

KE

11/2/22

Out - 55°F

In - 65°F

CHA onsite @ 10:50 for weekly sampling
EQ tank high level is active. System running
Changed bag filters.

MH-1 - 17234148

MH-1 pH - 5.9

MH-2 - 3143487

MH-2 pH - 6.0

BFM - 1211548.8

Effluent pH - 6.4

Sump - 27078

Effluent - 43213054

Manually ran GA pump to lower
EQ tank level. reset system and no
alarms were active. Set everything
back to auto and air stripper and MH-1
pump kicked on and water is filling
the EQ tank. Waited 10 minutes and
MH-1 pump turned off and water stopped
at 1940 gallons.

CHA offsite @ 12:00

(no alarms active when I left)

AH

11/9/22

Out - 36°F

In - 56°F

-CHA onsite @ 9:20
-Air stripper is running when I
arrived. High EQ tank alarm on
and theres 2398 gallon in the tank.
-Changed bag filters
-ran system manually to lower the
water in the tank. turned on pump
6a + 6b manually. ran these for 20 mins
and the water in the tank is at
1126 gallons.
reset system and high EQ tank alarm
went off.

MH-1 - 17245396 MH-2 - pH 7.2

MH-2 - 3143487 Eff - pH 7.4

BFM - 1216640.7

Sump - 27078

Effluent - 43258095

ran pump 6B for the EQ tank to lower
water level some more. Stopped it at
1127 gallons.

(no alarms when I left)

CHA offsite @ 10:20

AH

11/15/22

In - 44°F
Out - 35°F

CHA onsite @ 10:30. Checked
MH-2 in front of building to see if
it was high, looked good. Ran system
manually to turn off MH-1 high
sump alarm and EQ tank high
alarm. Both alarms were inactive
after resetting the system. MH-2 pumps
on auto and filling EQ tank. Changed bag filters

MH-1 - 17258771

MH-2 - 3143487

BFM - 1221890.5

Sump - 27078

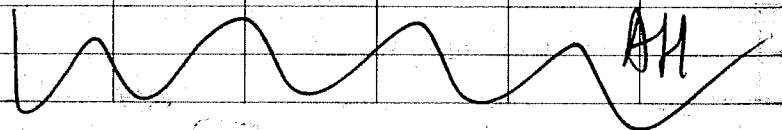
Effluent - 43304602

MH-2 pH - 7.5

Effluent pH - 7.4

Kept running pump 6B to run water
through EQ tank because MH-2 pumps
are on auto and are filling the EQ tank.
left with no alarms active and
1004 gallons in the EQ tank.

CHA offsite @ 11:40



11/22/22

In - 50°F
Out - 37°F

CHA onsite @ 9:10 am. MH-1 +
EQ tank high alarms are active
at time of arrival.

- changed bag filters

- sampled MH-2 + Effluent

- ran system manually to lower
EQ tank water level + MH-1
High sump alarm.

- reset system and alarms were gone

MH-1 - 17279699

Effluent pH - 7.3

MH-2 - 3143487

MH-2 pH - 7.2

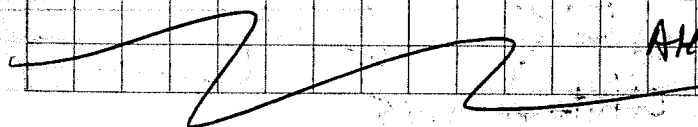
BFM - 1228467.0

Sump - 27078

Effluent - 43362953

ran system for a few more minutes to
get EQ tank water level down to
1000 gallons.

(No alarms were active when I left)
CHA offsite @ 10:00



12/1/22

In-50°F Out-34°F

CHA onsite @ 11:30

MH-1 high sump + EQ tank high sump alarms are active upon arrival.

Changed bag filter and ran system manually to lower EQ tank level and MH-1 high sump level.

MH-1 - 1730.7934 → pH

MH-2 - 3143487 → pH - 7.5

BFM - 1236129.1

Sump - 27078

Effluent - 43430892 → pH - 7.3

Ran MH-1 pump for about 30 minutes, reset the system and the alarm was still active.

Kept pumping MH-1 until High pump alarm went off. MH-2 kicked on auto when I put everything on auto. No alarms were active when CHA left.

CHA offsite @ 12:55

12/6/22

rainy

In-46°F Out-35°F

CHA onsite @ 9:15 for weekly sample.

MH-1 + MH-2 high sump alarm is on. Same with EQ tank high sump. I reset the system and only MH-1 high sump came back on.

CHA checked MH-1 and it is full of water.

- ran system manually to lower EQ tank water level and lower MH-1 sump level.

- Alarms turned off after running approx 2000 gallon through system.

MH-1 - 17327163

MH-2 - 3143487 pH - 7.3

BFM - 1241643.0

Sump - 27078

Effluent - 43479790 pH - 7.4

- MH-2 sump pumps came on automatically.

- Changed bag filters and sampled.

- Alarms were deactivated when CHA left site @ 10:45

12/14/22

In - 70°F
Out - 20°F

CHA onsite @ 9:20 for weekly sampling and maintenance.

upon arrival the system was in Manual
- CHA turned the system back to auto
and the MH-1 + MH-2 high sumps
alarms came on. MH-1 + MH-2 pumps are
pumping automatically. MH-2 high sump alarm cleared

- changed bag filters

MH-1 - 17344935

MH-2 - 3143487

BFM - 1247145.4

Sump - 27078

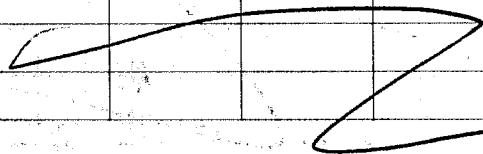
Effluent - 43526775 - pH - 7.2

Manually ran MH-1 until the alarm cleared.

for approx. 6000 gallons and the MH-1
alarm still hasn't cleared. CHA opened
the manhole (MH-1) and the water level
has not changed or dropped.

left everything on auto besides MH-1 pump 2

CHA offsite @ 12:00



AH

12/22/22

In - 42°F
Out - 24°F

CHA onsite @ 9:20 for weekly sampling + maintenance

- MH-1 and High Ea tank alarms are
active upon arrival.

- changed bag filters.

MH-1 - 17380729

MH-2 - 3143487

BFM - 1256551.6

Sump - 27078

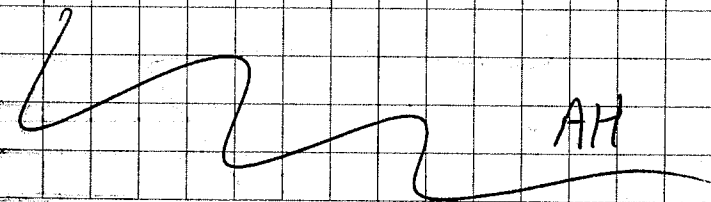
Effluent - 43611878 pH - 7.3

- Manually ran system until MH-1 high
sump alarm ~~came on~~ turned off.

- Air stripper kicked on, while everything
is on auto.

- No alarms active

CHA offsite @ 10:40



AH

12-27-22

Ln - 74°
Owt - 22°F

CHA onsite @ 9:15, MH-1, MH-2 and
EQ tank high sump alarms are active.
EQ tank is at 1319 gallons. I reset the
system and MH-1 high sump came
on. Manually pumped MH-1 sump until
the alarm turned off.

- changed bag filters.

MH-1 - 17416006

MH-2 - 3143487

BFM - 1265107.5

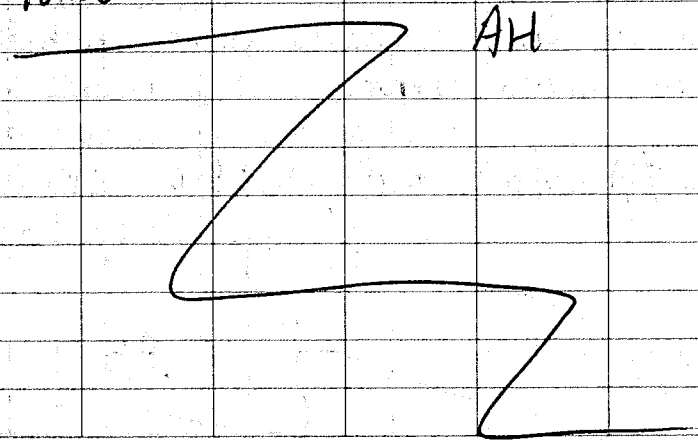
Sump - 27078

Effluent - 43687382

pH - 7.5

No alarms were active. CHA offsite
@ 10:00

AH



Projects (continued).

9/1/21

out 66°F
in 70°F

Onsite for Monthly Sampling 20945
no alarms

MH1 16314746

MH2 3143487

PS 27046

Effluent 41181720

BFM 944988

Changed #1 + #2 filters
calibrated pH meter
cleaned flow meters

MH1 @ 1010

pH = 6.2

MH2 @ 1015

pH = 6.2

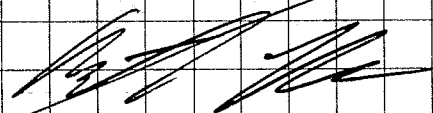
Effluent @ 1020

pH = 7.4

reset system

no alarms

CWA off site @ 1040



9/8/21

Out 68°F
In 74°F

Onsite for Weekly Sampling @ 0900

no alarms

MH1 16328899

MH2 3143487

FS 27052

Effluent 41226132

BFM 950642

Changed P1 + P2 filters

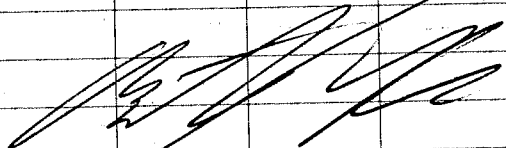
MH2 @ 930 pH = 6.0

Effluent @ 935 pH = 6.8

reset system

no alarms

CHA offsite @ 940



9/15/21

Out 71°F
In 75°F

Onsite for Weekly Sampling @ 0930

no alarms

MH1 16342199

MH2 3143487

FS 27058

Effluent 41268361

BFM 956035

Changed P1 + P2 filters

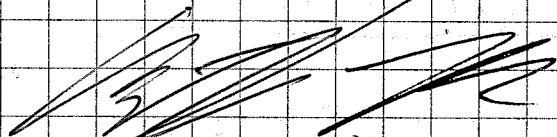
MH2 @ 950 pH = 6.0

Effluent @ 955 pH = 6.9

reset system

no alarms

CHA offsite @ 1010



9/22/21

Out 88°F
In 70°FOnsite for Weekly Sampling @ 0805
MH2 High level alarm

MH1 16354754
 MH2 3143487
 FS 27061
 Effluent 41307408
 BFM 961021

Changed P1 + P2 filters

MH2 @ 945 pH = 6.0
 Effluent @ 950 pH = 7.0

reset system because emails for notifications
 not coming through. appears to be
 working after shutting down panel and
 restarting

reset system MH2 High alarm still active
 CFA offsite @ 955

9/30/21

Out 60°F
In 62°FOnsite for Weekly Sampling @ 0845
MH2 High level alarm

MH1 16368553
 MH2 3143487
 FS 27064
 Effluent 41348251
 BFM 966250

Changed P1 + P2 filters

MH2 @ 905 pH = 6.0
 Effluent @ 960 pH = 6.7

Turned space heaters on

reset system

MH2 high level alarm
 CFA @ Site @ 920

10/7/21

out 650F
In 700F

Onsite for Monthly Sampling 20935

MHZ High level alarm active

MHI 16381977

MHZ 3143487

FS 27064

Effluent 41381484

BFM 970504

Changed P1 + P2

Cleaned flow meters

Calibrated pH meter

MHI @ 1000 pH = 6.0

MHZ @ 1005 pH = 6.1

Effluent @ 1010 pH = 7.0

reset system

MHZ High alarm

CHA Offsite @ 1020

10/13/21

out 680F
In 740F

Onsite for Weekly Sampling @ 1240

MHZ High level alarm active

MHI 16392683

MHZ 3143487

FS 27065

Effluent 41409649

BFM 974113

Changed P1 + P2 filters

MHI @ 1305 pH = 6.1

Effluent @ 1310 pH = 7.3

reset system

MHZ High alarm

CHA Offsite @ 1315

10/20/21

Out 57°F
In 72°FOnsite for Weekly Sampling @ 905
MH2 High level alarm active

MH1 16407368

MH2 3143487

FS 27065

Effluent 41440919

BPM 978102

Changed P1 + P2 filters

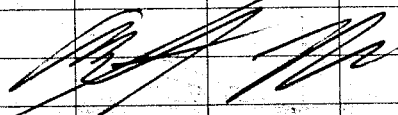
MH2 @ 925 pH = 6.0

Effluent @ 930 pH = 7.3

reset system

MH2 High level alarm

CWA offsite @ 940



10/26/21

Out 60°F
In 78°FOnsite for Weekly Sampling @ 1030
MH2 High level alarm active

MH1 16422758

MH2 3143487

FS 27065

Effluent 41468891

BPM 981664

Changed P1 + P2 filters

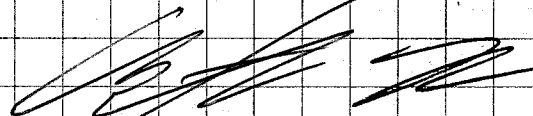
MH2 @ 1050 pH = 6.0

Effluent @ 1055 pH = 7.0

reset system

MH2 High level alarm

CWA offsite @ 1105



11/3/21

Out 40°F
In 60°F

Onsite for Monthly Sampling @ 0935
MH2 High level alarm active

MH1 16456225

MH2 3143487

FS 27065

Effluent 41521227

BPM 988301

Changed P1 + P2 filters
cleaned flow meters
calibrated pH meters

MH1 @ 1000 pH: 6.0

MH2 @ 1005 pH: 6.1

Effluent @ 1010 pH: 6.7

reset system

MH2 High level alarm

C/A offsite @ 1015

11/10/21

Out 52°F
In 72°F

Onsite for Weekly Sampling @ 0930
MH2 High level alarm active

MH1 16473076

MH2 3143487

FS 27069

Effluent 41553841

BPM 992424

Changed P1 + P2 filters

MH2 @ 955 pH: 6.0

Effluent @ 1000 pH: 6.7

reset system

MH2 High level alarm

C/A offsite @ 1010

11/15/21

out 30°F
In 66°F

Onsite for Weekly Sampling @ 1130

MH2 High level alarm active

MH1 16487845

MH2 3143487

FS 27073

Effluent 41599495

BFM 995664

Changed P1 + P2 filters

MH2 @ 1155 pH = 6.0

Effluent @ 1200 pH = 7.2

reset system

MH2 High level alarm active

CHA offset @ 1210

11/12/21

out 40°F
In 66°F

Onsite for Weekly Sampling @ 1020

MH2 High level alarm active

MH1 16511104

MH2 3143487

FS 27075

Effluent 41619476

BFM 1000719

Changed P1 + P2 filter

MH2 @ 1040 pH = 6.0

Effluent @ 1045 pH = 7.0

reset system

MH2 High level alarm active

CHA offset @ 1055

11/15/22

In - 44°F
Out - 35°F

CHA onsite @ 10:30. Checked
MH-2 in front of building to see if
it was high. looked good. Ran system
manually to turn off MH-1 high
sump alarm and EQ tank high
alarm. Both alarms were inactive
after resetting the system. MH-2 pumps
on auto and filling EQ tank. Changed bag filters

MH-1 - 17258771

MH-2 - 3143497

BPM - 1221890.5

Sump - 27078

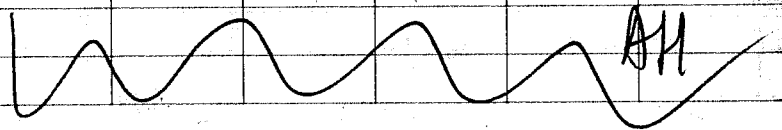
Effluent - 43304602

MH-2 pH - 7.5

Effluent pH - 7.4

Kept running pump 6B to run water
through EQ tank because MH-2 pumps
are on auto and are filling the EQ tank.
left with no alarms active and
1004 gallons in the EQ tank.

CHA offsite @ 11:40

 AH

11/30/21

Out 30°F
In 60°F

Onsite for Weekly Sampling 20905
MH1 + MH2 High level alarm active

MH1 16526772

MH2 3143487

FS 27075

Effluent 41648144

BFM 1004340

Changed P1 + P2 filters

MH2 @ 930 pH = 6.0

Effluent @ 935 pH = 6.8

reset system

MH1 + MH2 High level alarm active

CHA offsite @ 945

~~Miller~~

12/7/2021

Snowy 32°F Out
62°F In

On site w/ Caroline Hurlbert for
training + monthly samples

MH2 High alarm active

Changed P1 + P2

Sampled

MH1 @ 1400 pH 7.71

MH2 @ 1405 pH 7.39

Effluent @ 1410 pH 6.87

MH1 16549184

MH2 3143487

FS 27075

Effluent 41686752

BFM 10092149

Hit Reset

MH2 still high both pumps
are active

CHA offsite 1430

~~Miller~~

12/14/21

60°F in
39°F out sunny

HURLBURT on site for weekly
samples @ 09:45

~~MH2~~ High level alarm active

changed P1 + P2 filters
MH2 @ 10:30 pH 7.35
EFFluent @ 10:35 pH 7.52

MH1 16576068
MH2 03143487
FS 00027075
EFFluent 91722678
BFM 10145416

MH reset
MH2 still high

OFFSITE @ 11:00

est

12/21/21

60°F in
37°F out cloudy

HURLBURT on site for weekly
samples @ 13:30

~~MH2~~ High level alarm active

changed P1 + P2 filters
MH2 @ 14:00 pH 7.65
EFFluent @ 14:05 pH 7.90

MH1 16606904
MH2 03143487
FS 00027075
EFFluent 91722678
BFM 10205784

~~MH~~ reset
MH2 still high

OFFSITE @ 14:15

est

12/29/21

66°F in cloudy
36°F in

HURIBURT on site for weekly
samples @ 16:42

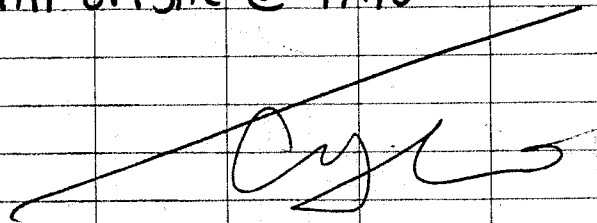
MH2 High level alarm on
AIR STRIPPER low air alarm on

changed P1 + P2 FILTERS
MH2 @ 17:00 pH 7.81
EFF @ 16:55 pH 8.04

MH1 16635511
MH2 03143487
FS 00027075
EFF 41736707
BFM 10265262

HH Reset

MH2 still high
CHA offsite @ 17:10



1/5/21

65° in
39° out cloudy

HURIBURT on site for weekly
samples @ 14:34

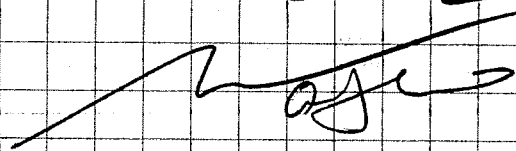
MW2 High level alarm on
AIR STRIPPER low air alarm on

changed P1 + P2 FILTERS
MH1 @ 15:10 pH 8.41
MH2 @ 15:00 pH 7.94
EFF @ 15:05 pH 8.79

MH1 16636310
MH2 03143487
FS 00027075
EFF 41773599
BFM 10312069

HH Reset

MH2 still high
CHA offsite @ 15:02



1/5/22

65° in
39° out cloudy

HURIBURT on site for weekly
samples @ 14:34

MW2 high level alarm on
AIR STRIPPER low air alarm on

changed p1 + p2 filters

MH1 @ 15:10 pH 8.41

MH2 @ 15:00 pH 7.94

EKK @ 15:05 pH 8.79

MH1 16056310

MH2 03143487

FS 0007075

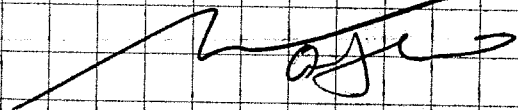
EKK 91773599

BFM 10312009

HA RESET

MH2 still high

CHA off site @ 15:02



out = 29°F

in = 46°F

1.12.22

CHA onsite at 08:55 for weekly sampling

MH-2 High Sump Alarm active

System not running

MH-2 Pumps 3 & 4 active but ^{slow} ~~no~~ flow
into tank — frozen? ^(P)

MH1 16672495

MH2 3143487

Effluent 41805315

Flux Sump 27075

BFM 1035241.5

Changed P1 & P2 filters

Samples

MH-2 09:25 pH = 6.2

Effluent 09:35 pH = 7.2

calibrated pH meter

rechecked MH-2 / Effluent pH values — accurate ✓

Reset system — MH-2 sump still activated
CHA offsite at 10:00

1/19/21

66°F in cloudy
41°F out

HURIBURT on site for weekly
samples @ 15:57

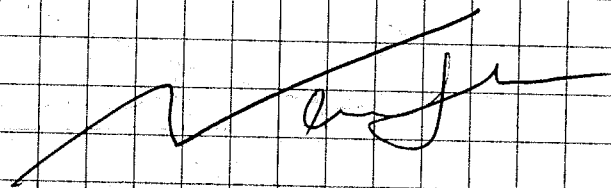
MH2. High level alarm active

changed P1 + P2 filters
MH2 @ 16:10 pH 6.1
Effluent @ 16:15 pH 6.8

MH1. 16685700
MH2 03143487
FS 00027075
EFF 41835247
BFM 10390613

HH reset

MH2 sump still active
CHA OFFSH @ 16:30



1/19/22

66°F in Cloud:
41°F out

HURIBURT on site for weekly
samples @ 15:57

MH2 High level alarm active

changed P1 + P2 filters

MH2 @ 16:10 pH 6.1

Effluent @ 16:15 pH 6.8

MH1 16685700

MH2 03143487

FS 00027075

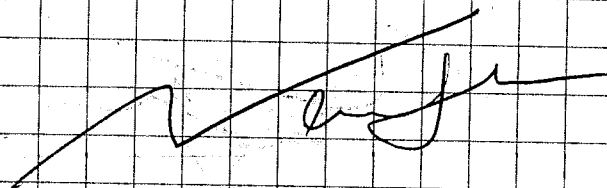
EFF 41835247

BFM 10390613

HH reset

MH2 SUMP still active

CHA OFFSITE @ 16:30



1/27/22

66°F in
21°F out sunny

HURIBURT on site @ 12:40 for
weekly samples

MH2 High level alarm active

changed P1 & P2

MH2 @ 12:55 pH 7.2

Effluent @ 13:00 pH 7.1

MH1 16690414

MH2 03143487

FS 00027075

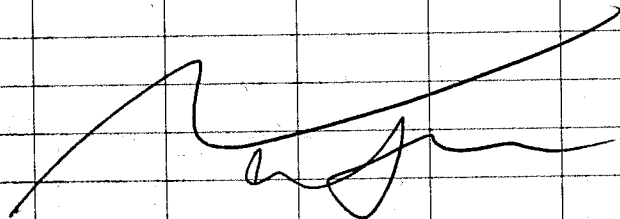
EFF 41863045

BFM 10426291

HH Reset

MH2 high active

CHA off site @ 13:20



2/2/22

68°F in
38°F out

HURIBURT on site @ 11:35 for
weekly samples

MH2 High level alarm active

changed P1 & P2

MH1 @ 11:55 pH 7.1

MH2 @ 11:50 pH 7.0

Effluent @ 12:00 pH 7.2

MH1 16702016

MH2 03143487

FS 00027075

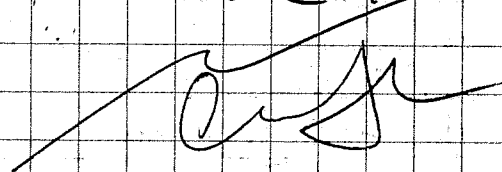
EFF 41880851

BFM 10449038

HH Reset

MH2 high level alarm active

CHA off site @ 12:40



2/10/22

68°F in
40°F out

HURIBURT on site @ 14:00 for
weekly samples

MH2 High level alarm on

Changed P1 + P2

MH2 @ 14:30 pH 7.0

EFF @ 14:35 pH 7.1

MH1 16711039

MH2 03143487

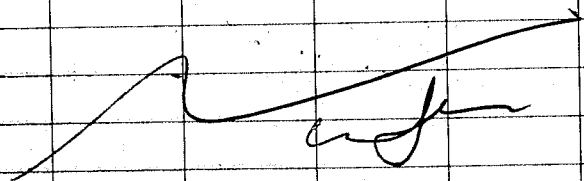
FS 00027075

EFF 41906723

BFM 10482217

HTH Reset

MH2 High level alarm active
CHA off site @ 14:45



2/17/22

60°F in
48°F out

HURIBURT on site @ 14:22 for
weekly samples

MH2 High level alarm on

Changed P1 + P2

MH2 @ 14:30 pH 6.9

EFF @ 14:35 pH 7.5

MH1 16719144

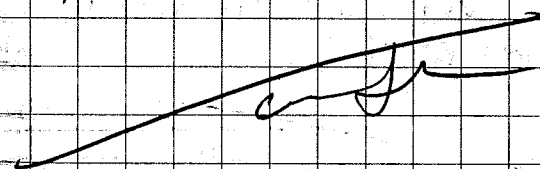
MH2 03143487

FS 00027075

EFF 41929652

BFM 10511743

HTH Reset & EQ tank low
MH2 High level alarm active
CHA off site @ 14:49



2/23/22

34°F = out

67°F = in

HURIBURT on site @ 11:55
for weekly samples

MH1 & MH2 high level alarm
active

changed P1 + P2

MH2 @ 12:05 pH 6.9

EFF @ 12:10 pH 7.2

calibrated pH meter

MH1 16743102

MH2 03143487

FS 0027075

EFF 41968424

BFM 10562317

Hyt reset

MH2 High level alarm active
CHA OFFSITE @ 12:50

3/1/2022

outside 36°F
inside 58°F

Onsite at 1305 for monthly
sampling and to meet with
GRM regarding building mitigation
MH2 high alarm

Changed P1 + P2 bag filters

GRM offsite @ 1340 - discussed
system and how it works

MH1: ~~16~~ 16757202

MH2: 3143487

BFM: 10599300

Sump: 27075

Effluent: 41997003

MH1 pH 7.3

MH2 pH 7.2

Effluent pH 7.4

MH2 high alarm still active,
pumps on

offsite @ 1405

J. Miller

3/10/22

36°F = out
67°F = in

HURIBURT on site for weekly
sample collection @ 11:40, no alarms

Changed P1 + P2
MH2 @ 11:50 pH 7.1
EFF @ 11:55 pH 6.9

MHI 16777089
MH2 03143487
FS 00027075
EFF 42037112
BFM 10651017

HIT Reset ~~and~~
~~NO alarms~~

MH2 & MHI High
level alarm active

CHA off site @ 12:10

3/16/2022

out = 38°F
in = 64°F

CHA on site at 0800 for weekly sampling.
Left site at 0802 to pick up gloves from
Home Depot. Returned at 0845

MH-1 and MH-2 high sump alarms
active

Cleared MH-1 high sump alarm
MH-2 high sump remained active

Changed P1 & P2 filters

MHI 16796525
MH2 3143487
FS 27075
Effluent 42070278
BFM 1069381.5

MH-2 @ 9:20 pH = 6.5
Effluent @ 9:35 pH = 7.4

MH-2 high sump alarm still active
CHA off site at 09:45

3.23.22

out: 31°F
in: 56°F

CHA onsite at 08:05 for weekly sampling
MH-2 High Sump alarm active.
Air Stripper running upon arrival.

Changed P1 & P2 filters after sample
collection because system running.

MH-1	16819979
MH-2	3143487
FS	27075
Effluent	42111365
BFM	1074666.5

MH-2 @	08:20	pH = 6.3
Effluent @	08:30	pH = 6.7

Used antiseize lubricant (low VOC) on eye
bolts for the bag filters.

CHA offsite at 0910

KE

3.29.22

out: 34°F
in: 62°F

CHA onsite for weekly sampling at
14:25. MH-2 high sump alarm active
upon arrival.

Changed P1 & P2 filters

MH-1	16836806
MH-2	3143487
FS	27075
Effluent	42142444
BFM	1078636.7

MH-2 @	14:45	pH = 6.3
Effluent @	14:55	pH = 6.7

During bag filter changeout, water level in bag
filters low. Allowed system to run for 15
minutes after sampling. Periodically bled air
from bag filters during that time.

CHA offsite at 1520

KE

4.7.22

out: 43°F
in: 61°F

monthly
CHA on site for ~~weekly~~ sampling
@ 9:01
MH2 High level sump active
Air Stripped Running upon arrival

changed P2 Filter after
sample collection because system
was running

MH1 16854689
MH2 03143487
FS 00027075
EFF 42181758
BFM 10836894

MH1 @ 9:10 pH 6.2
MH2 @ 9:15 pH 6.4
EFF @ 9:20 pH 6.5

HA reset
MH2 High level active
CHA offsite @ 9:42

4.13.22

out: 47°F
in: 60°F

cloudy, rain
CHA on site for weekly sampling at 0820.
MH-2 high sump alarm active upon
arrival

Troubleshooting the system wireless connection.
Switched from auto to manual and back to auto.

MH1 16884189
MH2 3143487
FS 27075
Effluent 42230945
BFM 1090006.7 ft³

Changed P1 & P2 Filters.
EQ tank pump activated at 1967 gallons
in tank.

Effluent @ 0905 pH = 6.8
MH-2 @ 0915 pH = 6.9

MH-2 high sump alarm still active.
CHA offsite at 0930

4.19.22

~~SNOW~~ out: 35°
SNOW in: 65°

CHA on site for weekly sample collection @ 9:10

MHZ High level alarm active

changed P1 + P2 filters

MHI 16900955

MHZ 03143487

FS 00027075

EFF 42269328

BFM -1094935.1

MHZ @ 9:45 pH 6.4

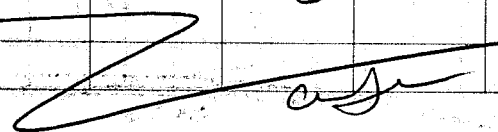
EFF @ 9:55 pH 6.7

Trouble shooting the system wireless connection.

Hit Reset

MHZ High level alarm

CHA off site @ 10:35



4.26.22

cloudy/ in: 64°
Rain out: 52°

CHA on site for weekly sampling @ 13:05

MHZ High level alarm active

AIR STRIPPER running upon arrival

- Changed P1 + P2 filters after sample collection because system was running

MHI 16934145

MHZ 03143487

FS 00027075

EFF 42330779

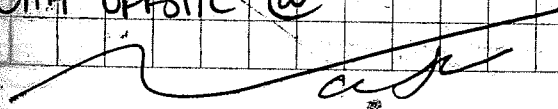
BFM 1102649.7

MHZ @ 13:20 pH 6.9

EFF @ 13:15 pH 6.8

Hit Reset, MHZ High level alarm active

CHA off site @



5.2.22

68 in
cloudy 55 out

CHA on site @ 10:10 for monthly
sampling
MH1 & MH2 High level alarm
active

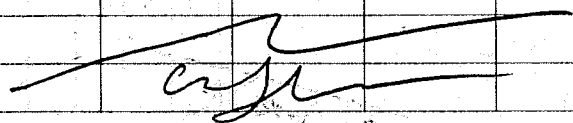
changed P1 + P2 filters

MH1 16944932
MH2 03143487
FS 00627075
EFF 42356461
BFM 1108825.7

MH1 @ 10:15 pH 6.3
MH2 @ 10:20 pH 6.5
EFF @ 10:25 pH 7.4

MH1 Reset
MH2 High level alarm

CHA off site @ 10:40



5.10.22

71 in
sunny 70 out

CHA on site @ 12:30 for monthly
monitoring/sampling
MH2 High level alarm active

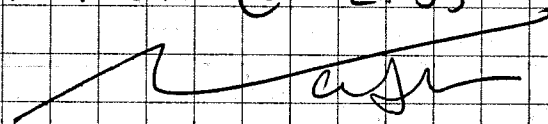
- changed P1 + P2 filters after
sample collection because
system was running

MH1 16955288
MH2 03143487
FS 00627075
EFF 42390157
BFM 1109997.3

MH2 @ 12:40 pH 6.9
EFF @ 12:35 pH 6.8

MH1 Reset
MH2 High level alarm active

CHA off site @ 12:55



5.18.2022

Sunny
out: 60°F
in: 72°F

turned off heaters

CHA onsite for weekly sampling at 10:20.

MH2 High Sump Alarm active.

Kayn Ehman & Andrew Patrelli

Changed P1 & P2 filters

MH1 16963159

MH2 3143487

FS 27075

Effluent 42416505

BFM 1113264.1

MH2 @ 1105 pH = 6.6

Effluent @ 1120 pH = 7.5

Reset the system. MH2 high sump alarm remains active

Offsite at 1140

VE

5.25.2022

Sunny
out: 61°F
in: 70°F

CHA onsite for weekly sampling at 0800.

MH2 High Sump Alarm active.

Changed P1 & P2 filters

MH1 16969762

MH2 3143487

FS 27075

Effluent 42439248

BFM 1116021.8

MH2

Effluent @ 0925 pH = 7.0

MH2 influent not producing water despite both pumps on.

Pro Control system not connected

0930 turned off system to attempt reset

turned system back on

MH2 still not producing water. Unable to sample.

Offsite at 1020

6.1.2022

CHA on site for MH2 troubleshooting and maintenance at 0815.

Paragon already on site. (PEC) Bruce, Nick, Mark Utilized vacuum truck to pump high water from MH-2 (~ 3,000 gal to fill truck)

Discharged water from vac truck to MH-1 to be pumped into the treatment system

Changed filters 2x to keep system running.

PEC cleaned sludge out of manhole adjacent to manhole w/ pumps. Continued pumping from MH-2.

MH-1 pump #1 appears to not be functioning after first discharge from vac truck. Using MH-1 pump #2 to evacuate MH-1.

1015 PEC working on cleaning sludge from MH-2.

Rain storm / thunder / lightning began. Effluent flow meter does not appear to be working. 1057 Thunderstorm has stopped.

PEC troubleshooting floats MH-2 floats functioning

Alternatingly turn on the 2 pumps and high sump alarm activates

PEC found a bag filter and chunks of a bag filter sucked up in at least one of

the two pumps. Most likely fried the motor since the pumps will not turn on. PEC removed as much of the bag filter as possible.

1200 CHA call to Sam Miller to provide update.

Need to replace pumps

PEC not able to do that today without an electrician to wire the pumps.

PEC used influent cleanout inside treatment building to suck anything clogging MH-2. Some gritty, black sediment was extracted. CHA notes flow meters don't appear to be functioning.

MH1 flow meter not reading when MH-1 pump #1 operating.

Effluent flow meter not showing GPM when pump 6A operating

Both flow meters were removed and checked - appear to function fine under high flow but not low flow conditions.

14:00 PEC off site

CHA to stay to operate system and collect monthly samples.

6.1.22 continued

Out: 70°F

In: 69°F

rain/thunder
storm

CHA on site for monthly sampling. MH-2 pumps not functional at this time and will not be sampled. MH-1 high sump alarm active due to discharging water from MH-2 to MH-1 during maintenance / troubleshooting.

MH-1 169.79246

MH-2 343487

FS 27075

Effluent 42457359

BFM 1118783.0

See notes on previous page for comments on flow meters. Changed P1 & P2 filters multiple times today.

MH-1 @ 1605 pH = 6.3

Effluent @ 1710 pH = 7.5

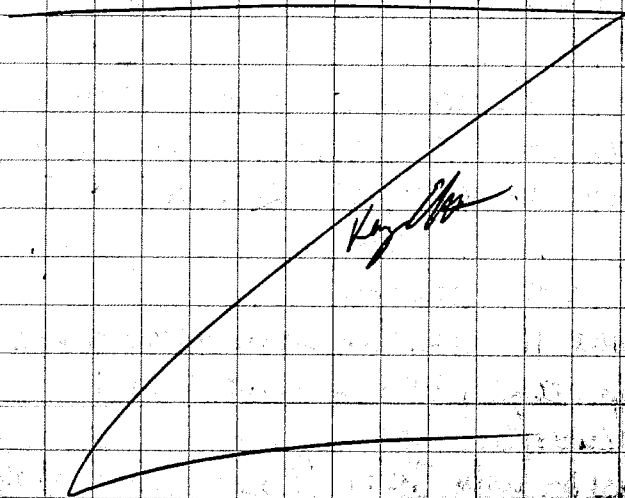
MH-1 pump active, but not filling EQ tank. Potential backflow preventer issue because pump #2 for MH-1 (high velocity & higher sediment load) appears to be fully functional. Pump #1 for MH-1

not fully functional. Discharging MH-1 pump #1 to the floor sump to then have water pumped to the EQ tank.

MH-1 pump #1 active but not filling EQ tank. Cannot leave MH-1 pump #2 operating overnight. CHA decision to turn off system after sample collection.

Will regroup and return to look at backflow preventer, pumps and flow meters.

CHA offsite at 1725



6.6.22

CHA on site for system maintenance at 0750.
Paragon (PEC) on site at 0805. Nick/Bruce
Also on site at 0900 - jet cleaners
PEC extracting water from MH-1 b/c not
pumping correctly

PEC cleaned backflow preventer (ball
check valve) on MH-1 line to see if that
fixes problem.

Bumped ~ 3200 gal from MH-1 and
discharging to EQ tank. (2x)

Pumped EQ tank all the way down &
cleaned with pressure washer.

Removing sediment laden water via
vac truck.

~ 10:30 Aalco sent off site as the water
level in both manholes prevents them
from line jetting the system

Need Y filter strainers

Attempted to filter the water via gravity
through bag filters and into MH-1.
Unsuccessful.

Discussion with Jerry & Sam came to the

agreement to let the vacuum truck sit
on-site overnight to settle all solids.
Use a submersible pump to decant
cleaner water to MH-1. Place all
sludge in 55-gallon drums for waste
characterization and offsite disposal.

1410 Restarted MH-1 pumps to fill EQ
tank. Tank filling with pump #1 but
flow meter reading 0.0 gpm

1430 PEC offsite

CHA sent email to Sam Miller &
Jerry Howell (PEC) describing upcoming
work.

CHA pumping cleaner water through the system to
flush sediment out. Allowed MH-1 to pump and
fill EQ tank enough to push ~ 1000 gallons
through the system between 1445 and 1545

CHA to order more filters (P1 & P2) and the
screens on the Hayward Y strainer.
CHA offsite at 1555.

6.7.22

in = 72°F

out = 70°F

Sunny

CHA onsite at 0745

MH-1 and MH-2 high sump alarms active

MH-1 pump #1 on - still trickling in at approximately 2-3 gallons per minute.

No flow registering on the MH-1 influent flow meter.

PEC onsite at 0805 - Nick & Bruce

PEC unloaded 4 55-gal steel drums.

Water in vacuum truck has settled. About 4 inches of sludge on bottom.

0822 turned on MH-1 pump #2

PEC discharging clean (no sediment) water to MH-1

CHA went to Walmart to pick up fishing net and duct tape. Used fishing net to remove lumps of grass/weeds and stones from bottom of MH-1.

PEC decanting water and containing sludge.

CHA also onsite to conduct weekly monitoring. MH-2 high sump alarm active.

MH-2 pumps remain non-functional.

Unable to sample MH-2

Changed P1 & P2 filters

Items that don't appear to be working

1. MH-2 pumps (both)

- floats appear to function

2. MH-1 flow meter when pump #1 active

3. MH-2 flow meter

4. Floor Sump flow meter

2 55-gallon drums filled with sludge, labelled and left outside.

Weekly readings

MH-1 16985870

MH-2 3143487

FS 27075

Effluent 42472482

BPM 1120583.7

Effluent @ 1025 pH = 6.1

PEC offsite at 1030.

CHA offsite at 1040.

6.15.2022

OUT = 70°F
IN = 72°F

CHA onsite for weekly sampling at 0805.

Replaced strainer at Hayward Y located before effluent pumps 6A and 6B.

Changed P1 & P2 filters.

Conversation with Jerry Howell (PEC) on drive to site indicated the proposed electrician will stop out on site this morning to meet me and gain information for his price quote.

MH1	17016621
MH2	3143487
FS	27075
Effluent	42497410
BFM	1124194.3

MH-1 changed by ~ 31,000 gallons while effluent only changed by ~ 25,000 gallons. MH-2 still offline and not pumping. Unable to sample MH-2.

Effluent @ 0925 pH = 6.6

Jim with Angler Electric onsite at 10 on
CHA offsite at 1040.

6/22/2022

out: 66°F

in: 70°F

CHA on site for weekly monitoring at 1000

MH2 high alarm - working through troubleshooting with the electrician

Changed P1 + P2

Sampled Effluent @ 1015 pH 6.6
No MH2 sample due to pump issues

MH1	17040907
MH2	3143487
FS	27075
BFM	11270.227
Effluent	42522098

offsite @ 1040

Spiller

6/30/22

Sunny AT = 82°F
M = 80°F

CHA on site for weekly samples
and pumping of manholes @
8:00 → new pumps

Paragon began pumping MH1 @
8:05

MH1 & MH2 High Sump Level
alarm active

changed P1 + P2 @ 9:10

changed P1 + P2 @ 12:15

Difficulties w/ Electrician, waiting
for equipment

changed P1 + P2 @ 14:45

changed P1 + P2 @ 16:04

→ new pumps completed @ 15:30

CHA went to sample MH2 @ 15:30

no water. MH2 not fixed

MH1 17062008

MH2 03143487

FS 00027075

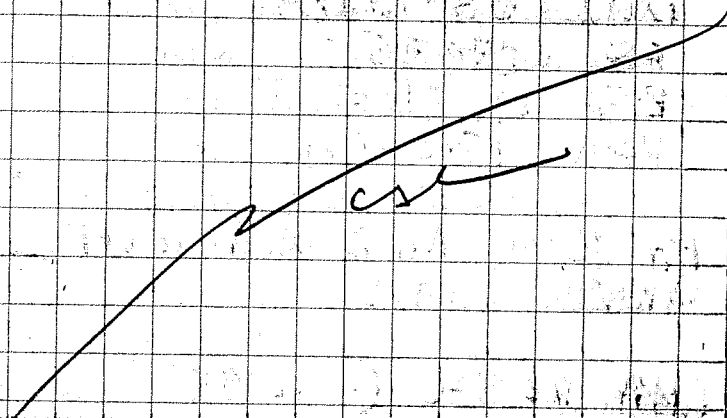
EKF 92549051

BFM 1730047.2

Effluent @ 16:15 pH 7.3

HH Reset, MH1 high
level alarm active

CHA offsite @ 16:50



7/5/22

cloudy 84 68
in 71.

CHA on site for ^{morning} ~~weekly~~ sample
collection @ 12:00

MH1 & MH2 High level alarm
active

Changed P1 + P2 filters

MH1 @ 12:30 pH 7.1

EKK @ 12:35 pH 6.9

MH1 17062008

MH2 03143487

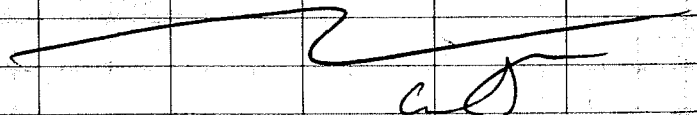
FS 27075

EKK 42568125

BFM 1132364.4

MH1 Reset, MH2 High level
Alarm active

CHA OKK site @ 12:45



7/8/2022

55°F outside sunny 72°F in

- on site at 0800 to troubleshoot
MH2 alarms and pumping
issues

- PEC on site (Wick + ^{Eddie} ~~Barry~~)

- Pumped MH2 via vac truck into
MH1 so that we could apply
vacuum to MH2 to try to
dislodge obstructions

- Changed P1 + P2 @ 0843

- Attempted to vacuum but was
unsuccessful

- attempted to snake but could only
get approx 30 feet from the
manhole, will need someone to
get the line

- left MH2 apart, closed cover

- PEC offsite 1005

- turned system on to pump MH1
down + clear alarm

- Effluent pump b6s appears to have an
issue + pumps very slow however b6s
won't turn on in auto (has in manual)
will need to troubleshoot →



7/13/2022 Conts

- Pumped system and cleared MTH1 high alarm
- Changed P1 + P2 @ 1150
- pumped EQ to low alarm to troubleshoot air stripper (does not appear to turn off)
- Air stripper stayed on even after waiting 20 minutes

Leaving with MTH1 alarm off
MTH2 pumps off
EQ low alarm on
Air stripper running

CHA off site 1230

A. Miller

7/14/2022

57° in
sunny 73° out

CHA on site for weekly samples @ 10:45

MTH1 & MTH2 High level alarm active

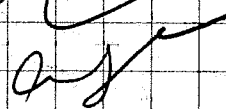
Changed P1 + P2 filters

EFF @ 11:00 pH 7.1

MTH1 17062138
MTH2 03143487
FS 00027075
EFF 42573779
BFM 1133834.8

HAH Reset, MTH1, MTH2 High level alarm

CHA OFF SITE @ 11:15



7/20/22

Sunny 90° in
79° at

CHA ON SITE FOR WEEKLY
SAMPLE COLLECTION @ 14:50

MH1, MH2, EG TANK HIGH
ALARMS ACTIVE

CHANGED P1 + P2 FILTERS

EKF @ 15:10 PH 6.9

MH1 17066972

MH2 03143487

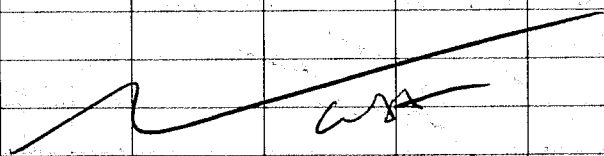
ES 27075

EKF 4257826

BEM 1135837.0

MH1 RESET, MH2 & AIR STRIPPER
LOW PRESSURE ALARM ACTIVE

CHA OFFSITE @ 15:30



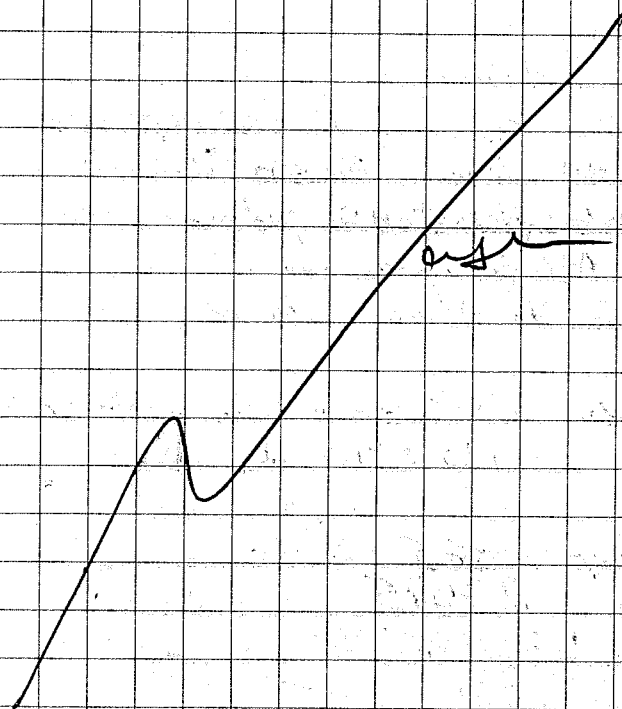
7/21/22

@ 5:25

CHA ON SITE, VFD 1 EQ
EKF1 PUMP ERROR, OVERLOAD
SWITCH

SWITCHED BREAKER

OFFSITE @ 5:32



7/28/2022 82°F Sunny 82°F inside

On site for weekly samples @ 1050

- MHI, MHI2 + 60 Sump high
alarms on

- Reset system + MHI began to
pump, 60 Sump off
MHI2 remains high b/c pumps
are not on - system down

- P1 + P2 changed

- MHI was running but there appears
to be an issue causing water to
rise into the MHI2 pipe + leak

- ~~turn~~ AS low pressure alarm on

- ran AS to clear alarm

Sampled Effluent @ 1140 pH 6.3

MHI 17074012

MHI2 3143487

Effluent 42580750

Sump 27075

BFM 1130435.7

offsite @ 1210

A. Miller

8/4/2022 88°F Overcast 79°F inside

085 PGC and AALCO - The Drain Doctor
on site to jet the line between
MHI2 and the building

Ran water through the system
twice; "Chocolate milk" like color
and sediment but no apparent
obstruction

Changed P1 + P2 filters
0930 Connected to the cleanout
inside the building to push
water through the opposite
direction. Water appeared
to go through but still
not hearing/seeing from
either end

1045 AALCO offsite.

Tagged pressure in the system
a few times via ball valve
Appears to have cleared the
buildup.

1130 Reconnected piping in MHI2
and turned on the pumps

→

AM

8/4/2022 cont.

Turned system on auto and
M#1 high. & EQ Lolo turned on
which turned off M#1 + M#2
pumps. Manually pumped
M#1 + M#2

Filled EQ tank by pumping
Turned system back to auto
EQ Lolo cleared and pumps from
M#1 started on ~~auto~~ automatically
along w/ M#1 high alarm
Manually turned on M#2
(no high alarm) and tried to
sample, no water. PEC used
a snake to clear port and a
large chunk of buildup cleared
Water flowed

Changed P1 + P2 filters
1245 - PEC offsite
CHA stayed to run the system
and change bag filters as
needed

Changed P1
Ran system

— DAM

8/4/2022 cont.

Changed P1 + P2 @ 1305
Ran system to low
Changed P1 + P2 @ 1550
All alarms cleared
System is running in auto

Sampled M#1 @ 1400 pH 6.1

Sampled M#2 @ 1405 pH 6.0

Sampled Effluent @ 1410 pH 6.2

M#1: 17092048

M#2: 03143487

Sump 27075

BFM: 11390539

Effluent: 42592639

— Offsite @ 1410

— Miller

8-11-22 0800

Sunny OUT - 63°F
IN - 74°F

AH onsite for
Weekly Sampling and AIR stripper
cleaning. Done by Paragon Env.

MH1 ^{high} Level sump Alarm on
Air stripper Low air pressure Alarm on

Changed filters

MH2 @ 8:05 - pH 7.0

[Effluent @ 8:10

pH - 7.1

MH1 - 17092367

MH2 - 03143487

Sump ~~PH~~ - 27075

BFM ~~PH~~ - 1139754.2

Eff ~~PH~~ - 42594247

Paragon will weedwack around Eff.
discharge.

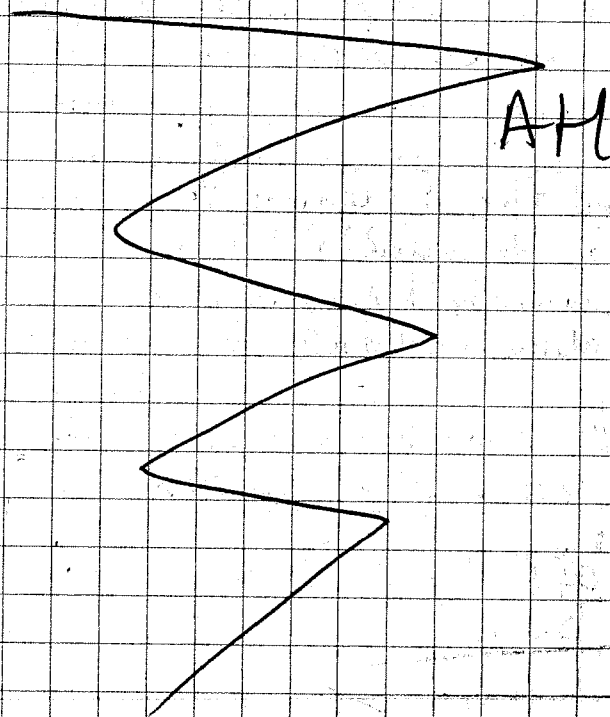
Electrician onsite @ 11:00 for control box
troubleshooting.

Could not figure out the issue but
said everything was good

Electrically, they think it could be
a pump issue or programming issue.

Left with system turned off because
Paragon will finish cleaning the
air stripper tomorrow.

Offsite @ 15:00



8-12-22

Sunny Out-57°F
In-73°F

AH onsite @ 8:00

Paragon Env. is finishing up cleaning the air stripper.

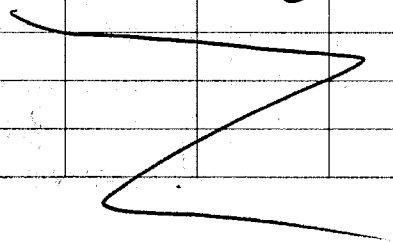
Drilled holes in the trays and pressure washed. Put everything back together and cleaned sump.

Turned the system back on and no alarms were active but had to be turned on manually.

Turned the Procontrol Box from manual to auto and it kicked on automatically but the MH1 high sump alarm still came on.

Left everything on auto besides the second MH1 switch

AH off site @ 13:15



8-17-22

Cloudy In-73°F
Out-64°F

AH on site for weekly sampling @

8:00 high sump

- MH1 alarm on along with EQ tanks level high

- manually turned on BPS to let water move through system and high EQ sump turned on

- MH1 high sump alarm still on

- Changed bag filters

Sampled MH2 @ 8:35 pH-7.1

Sampled Effluent @ 8:30 pH-6.9

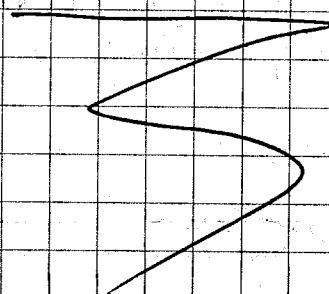
MH1 - 1709380.6

MH2 - 3143487

Sump - 27078

BFM - 1141138.9

Eff - 42602373

AH off site
9:30

8-25-22

Sunny at = 70°
in =

CHA on site @ 10:30 for weekly
sample collection

MHI alarm active, Eq tank high
alarm active

changed P1 + P2 filters

MHI 17103114

MH2 03143487

FS 27078

EFF 42650900

BFM 1147825.7

MH2 @ 10:35 pH 7.0

EFF @ 10:40 pH 7.90

HH reset, no alarms active
left everything in auto besides

MHI pump 2

CHA offsite @ 11:00

9-1-22

cloudy out-64°
in-73°

CHA onsite @ 11:15 for monthly
sampling

Eq tank high alarm is on

changed P1 + P2 bag filters

MHI - 17110349

MH2 - 03143487

FS - 27078

EFF - 42717032

BFM - 1155334.6

MHI pH @ 11:30 - 7.1

MH2 pH @ 11:30 - 6.3

EFF pH @ 11:35 - 7.1

Reset system and no alarms were active
and left everything in auto besides
MHI pump 2

Afh
offsite 12:15

9-7-2022

out: 70°F

in: 72°F

partly cloudy,
rain expected

CHA on-site at 0900 for weekly sampling. EQ high level alarm active when I arrived.

EQ pump 6A actively drawing down water level and pumping at ~120 gpm. AS Air Stripper active.

CHA to troubleshoot EQ pump VFD. All parameter settings match sheet E-10. VFD set to run at 60 Hz - max parameter setting.

Over the last few months, EQ pump 6A found to be running slowly and ~~was~~ unable to keep up with filling EQ tank. No changes made, but pump 6A appears to be operating at full speed. Pumps 6A and 6B are not cycling correctly at this time.

MH-1 17121288

MH-2 3143487

PS 27078

Effluent 42777344

BFM 1162180.8

CHA manually operated floor sump to drain it.

CHA compared flow rates for EQ pumps 6A and 6B (operated manually) and they appear to be equal (~130-150 gpm).

Changed P1 & P2 filters.

Calibrated pH meter.

note: Δ effluent 8.25 to 9.1 = 66,132 gal

Δ effluent 9.1 to 9.7 = 60,312 gal

weekly totals much higher than historical (~20,000 - 25,000). System still draining backup of groundwater.

MH-2 @ 11:10 pH = 6.5

Effluent @ 11:30 pH = 7.3

1148 CHA takes system offline to remove modem and Pro Control system for upgrades at the EOS office in Rochester, NH.

1210 CHA offsite.

7/9

9.15.22

in: 4°F
out: 68°F
Sunny

CHA onsite at 1320.

CHA reinstalled ProControl PLC and modem.

Restarted system at 1340.

MH-1 and MH-2 high sump alarms
activated immediately, as to be expected.

Allowed system to run in Auto for ~2 hours
while CHA observed and changed filters as needed.

- Notes:
- System is cycling between 6A and 6B
 - MH-1 pump #2 still too fast and stir
up sediment causing frequent
filter changes.
 - MH-1 and MH-2 influent flow meters
are not recording
 - 6A effluent pump operating at sufficient
gpm to keep up with influent.

Begin weekly sampling effort at 1530.

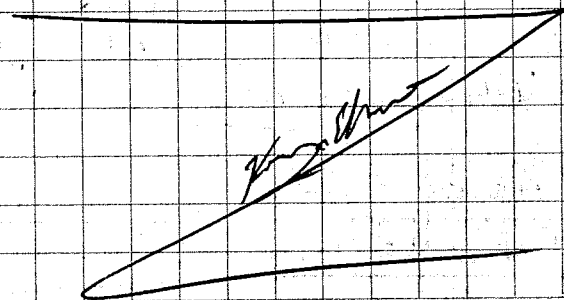
MH-1	17121592
MH-2	3143487
FS	27078
Effluent	42784943
BFM	1163049.6

Changed P1 & P2 filters
(3 filter changes total today)

MH-2 @ 1540	pH = 6.4
Effluent @ 1600	pH = 7.1

MH-1 high sump alarm still active. System
running as intended apart from flow meters.

CHA offsite at 1620.



9-21-22

out: 64°F
Sunny
in: 70°F

CHA onsite for weekly sampling at 0940.
EQ tank high level alarm and MH-1 high
sump alarm active upon arrival. ~~EQ~~
Effluent pumps 6A and 6B not active despite
EQ tank high level. Immediately changed P1 &
P2 filters in case they were clogged. (brown
but not overly clogged). EQ 6A pump activated
during filter change. Allowed system to run.
MH-1 flow meter operating today (between
5 and 30 gpm - bouncing all over the place)

MH-1 17132659
MH-2 3143487
Effluent 42852754
FS 27078
BFM 1170747.5

MH-2 at 1015 pH = 6.4
Effluent at 1040 pH = 7.3

All alarms cleared at 1055.
CHA offsite at 1100.

can system
manually to get
effluent sample.

9-28-22

out - 54°F
In - 64°F
Cloudy

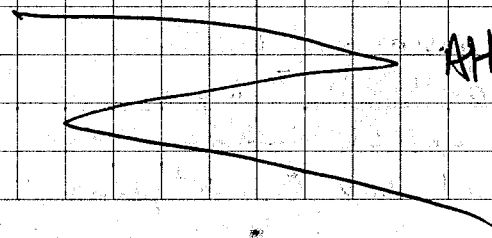
CHA onsite @ 9:00 for weekly
sampling. Manhole 1 high sump
level on. Eq tank high sump
on as well. Changed bag filters
System kicked on automatically. Eq
tank went from 1970 to 1034.

MH-1 17151429
MH-2 3143487
Effluent 42933642
FS 27078
BFM 1179935.1

MH-2 @ 9:20 pH = ~~5.6~~ 6.3
Eff. @ 9:15 pH = 5.6

trouble shooted to clear alarms

CHA offsite @ 10:15



10/6/22

Out - 84°F
In - 70°F
Sunny

LHA onsite @ 12:00 for weekly sampling
MH-1 High sump alarm + EQ tank
alarm are on.

Changed bag filters

Manually ran EQ pump 6B
to reduce EQ tank level, and get
effluent sample. Kept it running and
then EQ low level alarm came on. Put
MH1 - 17174798 Everything back on
auto

MH-2 - 3143487

Eff - 43015967

FS - 27078

BFM - 1189267.3

MH-1 pH - 6.7

MH-2 pH - 6.9

Eff pH - 7.1

Reset system and EQ tank low alarm
is still on with 748 gallons in the tank.
Manually ran MH1 + MH2 pumps to fill
tank back up to 1018 gallon hit reset
and Low EQ level turned off.
CHA offsite @ 13:30

10/12/22

Out - 53°F
In - 64°F

LHA onsite @ 9:25 for weekly
sampling, MH-1 and High EQ alarm
are on.

Changed P1 + P2 Bag filters

Manually ran system to take samples
Reset system and all alarms were off

MH-1 - 171886412

MH-2 - 3143487

Eff - 43064035

FS - 27078

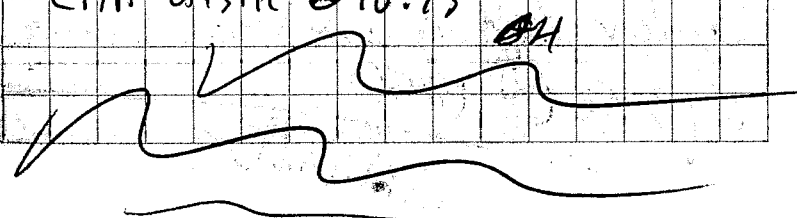
BFM - 1194698.3

MH-2 pH - 6.6

Eff pH - 7.3

Sampled and no alarms active
Everything left on Auto besides
MH-1 pump 2.

CHA offsite @ 10:15



10/21/2022 outside 61°F, in: 61°F
CHA on site for weekly sampling

MH1 + EQ Tank high alarms
Changed P1 + P2

System will not turn on even
though it's in auto. Cycled
through the options

Reset the system and set to
auto, appears to be functioning
Alarms cleared

Water in the sump is being
pumped

Sampled MH2 @ 1230 pH 6.9

Sampled Effluent @ 1235 pH 7.2

MH1 17212430

MH2 3143487

BFM 12031465

Sump 27078

Effluent 43138781

System left in auto - no alarms
offsite @ 1250

Amiller

10/26/2022

out = 64°F

in = 68°F

cloudy, no rain

CHA on site for weekly sampling at 0848.
EQ High Level Alarm active upon arrival.
Emails indicate EQ High Level alarm at
0547 and 0851 today.

Changed P1 & P2 filters, calibrated pttmeter.

MH1 17222082

MH2 3143487

BFM 1206629.7

Sump (FS) 27078

Effluent 43169555

Δ Effluent 10/21 $\rightarrow$ 10/26 = 30,774 gal

Δ BFM 10/21 $\rightarrow$ 10/26 = 3483.2 ft³
 $\rightarrow$ 32,793.8 gal

Waited 32 minutes from last EQ high level alarm.
Effluent Pumps did not activate automatically.
~~Placed sys~~ Used "Hand" to activate pump 6B

MH-2 @ 0945 pH = 7.0

Effluent @ 0930 pH = 7.1

No Alarms. CHA offsite at 1000.

KE

11/2/22

Out - 55°F

In - 65°F

CHA onsite @ 10:50 for weekly sampling
EQ tank high level is active. System running
Changed bag filters.

MH-1 - 17234148

MH-1 pH - 5.9

MH-2 - 3143487

MH-2 pH - 6.0

BFM - 1211548.8

Effluent pH - 6.4

Sump - 27078

Effluent - 43213054

Manually ran GA pump to lower
EQ tank level. reset system and no
alarms were active. Set everything
back to auto and air stripper and MH-1
pump kicked on and water is filling
the EQ tank. Waited 10 minutes and
MH-1 pump turned off and water stopped
at 1940 gallons.

CHA offsite @ 12:00

(no alarms active when I left)

AH

11/9/22

Out - 36°F

In - 56°F

-CHA onsite @ 9:20
-Air stripper is running when I
arrived. High EQ tank alarm on
and theres 2398 gallon in the tank.
-Changed bag filters
-ran system manually to lower the
water in the tank. turned on pump
6a + 6b manually. ran these for 20 mins
and the water in the tank is at
1126 gallons.
reset system and high EQ tank alarm
went off.

MH-1 - 17245396 MH-2 - pH 7.2

MH-2 - 3143487 Eff - pH 7.4

BFM - 1216640.7

Sump - 27078

Effluent - 43258095

ran pump 6B for the EQ tank to lower
water level some more. Stopped it at
1127 gallons.

(no alarms when I left)

CHA offsite @ 10:20

AH

11/15/22

In - 44°F
Out - 35°F

CHA onsite @ 10:30. Checked MH-2 in front of building to see if it was high, looked good. Ran system manually to turn off MH-1 high sump alarm and EQ tank high alarm. Both alarms were inactive after resetting the system. MH-2 pumps on auto and filling EQ tank. Changed bag filters

MH-1 - 17258771

MH-2 - 3143487

BFM - 1221890.5

Sump - 27078

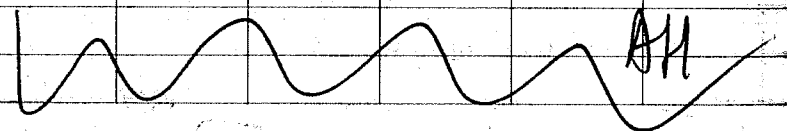
Effluent - 43304602

MH-2 pH - 7.5

Effluent pH - 7.4

Kept running pump 6B to run water through EQ tank because MH-2 pumps are on auto and are filling the EQ tank. Left with no alarms active and 1004 gallons in the EQ tank.

CHA offsite @ 11:40



11/22/22

In - 50°F
Out - 37°F

CHA onsite @ 9:10 am. MH-1 + EQ tank high alarms are active at time of arrival.

- Changed bag filters
- Sampled MH-2 + Effluent
- ran system manually to lower EQ tank water level + MH-1 High sump alarm.
- reset system and alarms were gone

MH-1 - 17279699

Effluent pH - 7.3

MH-2 - 3143487

MH-2 pH - 7.2

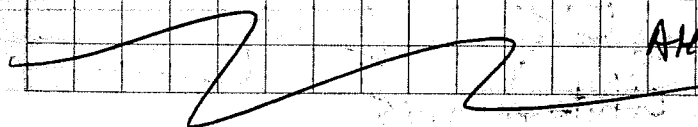
BFM - 1228467.0

Sump - 27078

Effluent - 43362953

Ran system for a few more minutes to get EQ tank water level down to 1000 gallons.

(No alarms were active when I left)
CHA offsite @ 10:00



12/1/22

In-50°F Out-34°F

CHA onsite @ 11:30

MH-1 high sump + EQ tank high sump alarms are active upon arrival.

Changed bag filter and ran system manually to lower EQ tank level and MH-1 high sump level.

MH-1 - 17307934 → pH

MH-2 - 3143487 → pH - 7.5

BFM - 1236129.1

Sump - 27078

Effluent - 43430892 → pH - 7.3

Ran MH-1 pump for about 30 minutes, reset the system and the alarm was still active.

Kept pumping MH-1 until High pump alarm went off. MH-2 kicked on auto when I put everything on auto. No alarms were active when CHA left.

CHA offsite @ 12:55

12/6/22

rainy

In-46°F Out-35°F

CHA onsite @ 9:15 for weekly sample.

MH-1 + MH-2 high sump alarm is on. Same with EQ tank high sump. I reset the system and only MH-1 high sump came back on.

CHA checked MH-1 and it is full of water.

- ran system manually to lower EQ tank water level and lower MH-1 sump level.

- Alarms turned off after running approx 2000 gallon through system.

MH-1 - 17327163

MH-2 - 3143487 pH - 7.3

BFM - 1241643.0

Sump - 27078

Effluent - 43479790 pH - 7.4

- MH-2 sump pumps came on automatically.

- Changed bag filters and sampled.

- Alarms were deactivated when CHA left site @ 10:45

12/14/22

In - 70°F
Out - 20°F

CHA onsite @ 9:20 for weekly sampling and maintenance.

upon arrival the system was in Manual - CHA turned the system back to auto and the MH-1 + MH-2 high sumps alarms came on. MH-1 + MH-2 pumps are pumping automatically. MH-2 high sump alarm cleared.

- changed bag filters

MH-1 - 17344935

MH-2 - 3143487

BFM - 1247145.4

Sump - 27078

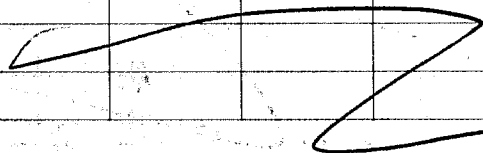
Effluent - 43526775 - pH - 7.2

Manually ran MH-1 until the alarm cleared.

for approx. 6000 gallons and the MH-1 alarm still hasn't cleared. CHA opened the manhole (MH-1) and the water level has not changed or dropped.

left everything on auto besides MH-1 pump 2

CHA offsite @ 12:00



AH

12/22/22

In - 42°F
Out - 24°F

CHA onsite @ 9:20 for weekly sampling + maintenance.

- MH-1 and High Ea tank alarms are active upon arrival.

- changed bag filters.

MH-1 - 17380729

MH-2 - 3143487

BFM - 1256551.6

Sump - 27078

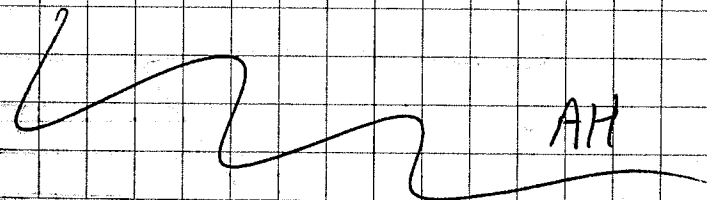
Effluent - 43611878 pH - 7.3

- Manually ran system until MH-1 high sump alarm ~~came on~~ turned off.

- Air stripper kicked on, while everything is on auto.

- No alarms active

CHA offsite @ 10:40



AH

12-27-22

Ln - 74°
Owt - 22°F

CHA onsite @ 9:15, MH-1, MH-2 and
EQ tank high sump alarms are active.
EQ tank is at 1319 gallons. I reset the
system and MH-1 high sump came
on. Manually pumped MH-1 sump until
the alarm turned off.

- changed bag filters.

MH-1 - 17416006

MH-2 - 3143487

BFM - 1265107.5

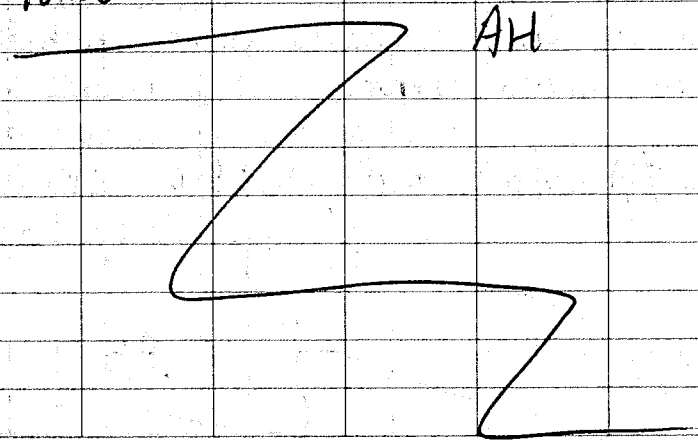
Sump - 27078

Effluent - 43687382

pH - 7.5

No alarms were active. CHA offsite
@ 10:00

AH



APPENDIX L

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

CERTIFICATIONS

I, STEPHEN A. MIRABELLO, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for the preparation of this Periodic Review Report. To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- (a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
- (b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
- (c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- (d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Stephen A Mirabello, of 5784 Widewater Parkway, Syracuse, New York, am certifying as the Owner's Designated Site Representative and I have been authorized and designated by Owner to sign this certification for the site.



01/30/23

Date

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

Signature

NYS Professional Engineer #



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



Site Details

Box 1

Site No. **622003**

Site Name **Chicago Pneumatic Tool Company**

Site Address: 2200 Bleecker Street Zip Code: 13340
City/Town: Frankfort
County: Herkimer
Site Acreage: 77.000

Reporting Period: December 30, 2019 to December 30, 2022

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

☒ ☐

7. Are all ICs in place and functioning as designed?

☒ ☐

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

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



Signature of Owner, Remedial Party or Designated Representative

1/30/2023

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**104.3-1-24**

Utica Holding Company

Monitoring Plan
O&M Plan

SPDES Discharge Permit NY-0257087 & NY-0108537

Description of Engineering ControlsParcelEngineering Control**104.3-1-24**Groundwater Treatment System
Cover System
Groundwater Containment
Leachate Collection
Fencing/Access Control
Vapor Mitigation

Engineering controls include a groundwater pump & treatment system, an engineered cap in place over a consolidated soil pile, and leachate collection for offsite disposal. A long term groundwater monitoring program is ongoing.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO



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

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

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

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

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

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

YES NO



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

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

Signature of Owner, Remedial Party or Designated Representative

1/31/2023

Date

IC CERTIFICATIONS
SITE NO. 622003

Box 6

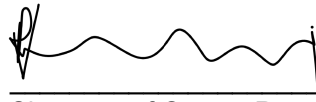
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Virashnie Maharaj at 1815 ClubHouse Rd, RockHill, 29730,
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

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



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

1/27/2023

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Stephen A Mirabello at 5784 Widewaters Parkway
print name print business address
Syracuse, NY, 13214

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

Stephen A Mirabello 1/30/23
Signature of Professional Engineer, for the Owner or Stamp Date
Remedial Party, Rendering Certification (Required for PE)



EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Samantha J. Miller at 300 South State St., Suite 600, Syracuse, NY 13202,
print name print business address

am certifying as a Professional Engineer for the Chicago Pneumatic Tool Company
(Owner or Remedial Party)



Samantha J. Miller
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

January 24, 2023
Date

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Ireland	Sweden
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