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18 June 2024

Michael Haggerty, QEP Project Manager New York State Department of Environmental Conservation Division of Environmental Remediation 625 Broadway, 11th Floor Albany, NY 12233

Re: Annual Maintenance and Monitoring Report – 2022 and 2023 Former Acme Steel/Metal Works 95 Lombardy Street/46 Anthony Street Brooklyn, New York NYSDEC Site No. 224131 Langan Project No.: 170157201

Dear Mr. Haggerty:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Annual Maintenance and Monitoring Report (MMR) on behalf of the Whitehead Company to summarize annual activities from August 2022 through December 2023 for the sub-slab depressurization (SSD) systems at the Former Acme Steel/Metal Works at 95 Lombardy Street/46 Anthony Street in Brooklyn, New York (the "site"). The site is a New York State Department of Environmental Conservation (NYSDEC) Class 2 Inactive Hazardous Waste Disposal Site (IHWDS) and is identified as NYSDEC Site No. 224131.

This annual report, which covers 8 August 2022 through 31 December 2023, includes a site evaluation and a summary of system components, inspections, monitoring results, performance, and compliance with NYSDEC's Division of Environmental Remediation (DER)-31 Green Remediation Policy. Maintenance and monitoring were conducted in accordance with the NYSDEC-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan (22 November 2023). At your request, this annual report also includes documentation of maintenance, monitoring, and effluent sampling performed in February and May 2024. The forthcoming Annual MMR for Site 22431, to be issued in early 2025, will also document 2024 activities.

Based on data and observations from the 2022 and 2023 inspections and maintenance performed in 2024, the SSD systems are operating as follows:

• The 60 Anthony Street SSD system was operational during the reporting period (510 days) and is operating as designed. System maintenance performed in May 2024 is detailed in this report.

New Jersey • New York • Connecticut • Massachusetts • Pennsylvania • Ohio • Illinois • North Carolina • Virginia • Washington, DC California • Texas • Arizona • Utah • Colorado • Washington • Florida | Athens • Calgary • Dubai • London • Panama On 21 November 2023, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity; however, the 95 Lombardy Street target mitigation area was still partially depressurized, as described below. The 95 Lombardy Street system did not operate at full capacity from 21 November 2023 to 5 February 2024 (76 days), when the blower was replaced. System maintenance performed in February 2024 is detailed in this report, and the system is operating as designed.

No design alterations or modifications to the SSD systems are proposed except for the installation of a sample port on the blower discharge stack at 95 Lombardy Street, which was completed on 5 February 2024 per NYSDEC's request.

SITE DESCRIPTION AND BACKGROUND

Site Description

The site occupies about 44,000 square feet at 95 Lombardy Street (Tax Block 2819, Lot 8) and 46-60 Anthony Street (Tax Block 2819, Lot and 11) in the Greenpoint section of Brooklyn, New York. The site is adjoined by Anthony Street to the north, Porter Avenue to the east, Lombardy Street and warehouse buildings to the south, and Vandervoort Avenue to the west. A site location map is provided as Figure 1.

The site contains three two-story brick buildings and one one-story brick building. There are two loading docks on-site: the west loading dock is located about 30 feet east of the western (Vandervoort Avenue) property line, and the east loading dock is located about 100 feet west of the eastern (Porter Avenue) property line. The west loading dock is split by a corrugated metal partition and is used by the tenant (Wise Cabinet & Countertop) that occupies 95 Lombardy Street and the western/lower part of 46-60 Anthony Street. The east loading dock is used by the tenant (Lee's Kitchen Cabinet & Stone Inc.) that occupies the eastern/upper part of 46-60 Anthony Street. Surrounding property uses include numerous industrial and manufacturing facilities, residential neighborhoods, park land, and school facilities.

Background

The site is underlain by the Meeker Avenue Plume Superfund program site (Meeker Avenue Plume Site), which extends across the Greenpoint/East Williamsburg Industrial Area in Brooklyn, previously identified by the NYSDEC as the Meeker Avenue Plume Trackdown Site. The Meeker Avenue Plume Site is located within a region of historical petroleum refining and storage operations, and multiple industrial uses, which occupied a significant part of the Greenpoint neighborhood, straddles the Brooklyn-Queens Expressway, and extends southwest to northeast from Kingsland Avenue to Newtown Creek.

Langan sampled soil, groundwater, and soil vapor during a 2012 remedial investigation (RI), a 2017 supplemental RI, a 2019 quarterly groundwater gauging and sampling event, a 2019 trench drain investigation, a 2020 potential chlorinated volatile organic compound (CVOC) source investigation, and a 2021 supplemental investigation.



Sample results identified low concentrations of CVOCs (including tetrachloroethene [PCE]) in soil, which were two to three orders of magnitude less than the Part 375 Unrestricted Use Soil Cleanup Objectives (UU SCO), except for one sample location. CVOCs were also detected in shallow and deep overburden groundwater at concentrations above the NYSDEC Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGV) for Class GA water.

Sub-slab vapor and indoor air were investigated in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in New York, October 2006, as updated (NYSDOH Guidance). Sample analytical results were compared to the concentration thresholds provided in the NYSDOH Guidance decision matrices. Assessing the detected CVOC concentrations using the NYSDOH Guidance decision matrices yielded the recommendation to mitigate.

In response to the observed CVOC impacts, Langan prepared a Remedial Design Work Plan for On-Site Vapor Mitigation (RDWP) dated 14 January 2022. The scope of the NYSDEC-approved RDWP included the construction and operation of two SSD systems to mitigate soil vapor intrusion (SVI) into parts of the site that are continuously occupied during business hours, including:

- 95 Lombardy Street (improved with two two-story brick buildings, one of which is operated by Wise Cabinet & Countertop):
 - An about 3,000-square-foot portion of the northern two-story brick building is used as a kitchen cabinet and stone countertop office space and showroom, and occupied by workers and customers during business hours
- 60 Anthony Street (improved with one one-story brick building and one two-story brick building, partially operated by Lee's Kitchen Cabinet & Stone Inc.):
 - An about 3,450-square-foot portion of the one-story brick building is used as a kitchen cabinet fabrication and stone countertop office space and showroom, and occupied by workers and customers during business hours
 - An about 1,150-square-foot portion of the two-story brick building is used for marble cutting and occupied by workers during business hours

The layouts of the SSD systems are shown on Figure 2.

SSD SYSTEM MAINTENANCE AND MONITORING

SSD System Description

The SSD systems were installed between May and July 2022 and include two separate SSD system assemblies. The systems include eight depressurization pits and two roof-mounted blowers. The eight SSD pits (ACME-DP-01 through ACME-DP-08) are connected by conveyance



piping to riser pipes, which run through the buildings to roof-mounted blowers (model OBAR GBR76 UD) and exhaust points. The two systems include the following:

- Three depressurization pits (ACME-DP-01 through ACME-DP-03) are located at 95 Lombardy Street, and the associated conveyance piping manifolds together on the roof before connecting to a single roof-mounted blower.
- Five depressurization pits (ACME-DP-04 through ACME-DP-08) are located at 60 Anthony Street, and the associated conveyance piping manifolds together on the roof before connecting to a single roof-mounted blower.

Six vacuum monitoring points were installed throughout the target mitigation areas to monitor the vacuum field generated below the slab, as shown on Figure 2.

SSD System Monitoring and Inspection

Communication and Start-up Monitoring

Langan performed communication tests on 29 July and 8 August 2022 to document depressurization field extension throughout the target mitigation areas after SSD system start-up. Differential pressure measurements were collected using a TSI 9565 air velocity meter at vacuum monitoring points throughout the target mitigation areas (ACME-SSV-01R through ACME-SSV-07). Differential pressure measurements indicated that the slab is depressurized throughout the entire SSD target mitigation areas (i.e., a vacuum was observed at each location).

Langan completed start-up testing and inspected accessible SSD system components on 8 August 2022. The inspection verified that mechanical and electrical connections for the SSD systems were complete and system specifications had been met. A visual inspection was also performed to check for damage and defects. A series of tests were performed to confirm the mechanical and electrical functionality of the SSD systems, and included the following activities:

- While the systems were operating, smoke tubes were used to check for leaks through concrete cracks, floor joints, and at the depressurization points. Identified leaks were properly sealed using hydraulic cement to prevent short-circuiting, as described below.
- The in-line fan malfunction warning devices were tested.
- The vacuum was measured at the sample ports and fans to verify consistency with the design.

Langan introduced smoke around the system pipes and surrounding floor slab to see if there were any openings or cracks where the smoke may be drawn in. Smoke was identified entering through cracks around the depressurization pits, and the discontinuities were sealed using caulk. Additional smoke testing was performed, and preferential migration pathways were no longer identified.



The associated inspection form is included in Attachment A, and the site observation reports documenting the communication test and initial inspection are included in Attachment B.

Monthly Routine System Inspections

The property owner conducted monthly routine inspections from September 2022 through December 2023. During the monthly inspections, the vacuum gauges, alarms, and riser piping were inspected to ensure that the systems were operational and that there was no observed damage.

Before the monthly routine inspection on 1 December 2023, Langan was on site for the annual SSD system performance monitoring inspection on 21 November 2023. During the annual performance monitoring inspection, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity, as described further below. The blower at 60 Anthony Street remained operational throughout the reporting period.

Monthly inspections confirmed that the SSD systems were operating effectively per the design, except for December 2023 due to the blower malfunction noted above. Equipment maintenance, repairs, and adjustments were completed during the 2024 reporting period, as described below. Copies of the monthly inspection forms are included in Attachment A.

Annual Inspections

Langan conducted annual SSD system inspections on 1 December 2022 and 21 November 2023. The inspections consisted of:

- Visually inspecting the SSD system components and concrete floor slab;
- Recording differential pressure readings from each vacuum monitoring point;
- Recording vacuum readings at each riser assembly;
- Verifying active operation of the blowers; and
- Verifying the competency of riser pipe couplings and seals.

At the time of the 2023 inspection, only one SSD system (60 Anthony Street) was operating as designed; as described above, the blower at 95 Lombardy Street was not operating at full capacity. The NYSDEC was alerted of the issue via email, and maintenance to the 95 Lombardy Street blower was completed on 5 February 2024 (as documented below).

Due to the blower malfunction, the vacuum at the three 95 Lombardy Street SSD system riser pipes was below the lower limit (1 inch of water column [IWC]) of the vacuum gauge range during the annual inspection on 21 November 2023; therefore, no measurable vacuum was recorded from the risers of depressurization pits ACME-DP-01 through ACME-DP-03 on that date.



Depressurization Pit Riser	Vacuum (IWC)					
	12/1/2022	11/21/2023				
ACME-DP-01	-6.0	NM*				
ACME-DP-02	-5.1	NM*				
ACME-DP-03	-6.0	NM*				
ACME-DP-04	-3.2	-3.5				
ACME-DP-05	-4.0	-3.5				
ACME-DP-06	-4.1	-4.0				
ACME-DP-07	-4.0	-4.0				
ACME-DP-08	-4.1	-4.5				

The riser pipe vacuum gauges indicated the following vacuums:

NM* = Not measurable (i.e., vacuum was below the lower limit of the vacuum gauge range)

The visible riser piping, coupling, and seals for each SSD system were intact, in good condition, and appeared competent. Major cracks or evidence of post-construction soil-intrusive work were not observed during the visual inspections. Surficial cracks in a thin layer of concrete overlaying the slab were observed near vacuum monitoring point ACME-SSV-05; however, these cracks do not penetrate the slab and were patched in 2024, as described below.

The blowers and associated roof discharge points were inspected. The 60 Anthony Street blower appeared to be in good condition, but the 95 Lombardy Street blower was not operating at full capacity at the time of the annual inspection. The SSD systems were expelling air at the discharge points, and no windows or ventilation inlets were observed within 25 feet of the discharge points.

Langan used a TSI 9515 VelociCalc air velocity meter to collect vacuum measurements at the vacuum monitoring points within the target mitigation areas (ACME-SSV-01R through ACME-SSV-07). The vacuum readings are presented in the table below:

Vacuum Monitoring	Vacuum (IWC)				
Point	12/1/2022	11/21/2023			
ACME-SSV-01R	-0.025	0.002			
ACME-SSV-02R	-0.342	-0.010			
ACME-SSV-03R	-0.123	-0.011			
ACME-SSV-04	-0.199	-0.216			
ACME-SSV-05	-0.017	0.000			
ACME-SSV-06	-0.090	-0.079			
ACME-SSV-07	-0.115	-0.282			

Vacuum measurements indicated that the slab was depressurized in both SSD system target mitigation areas. A differential pressure of 0.002 IWC was recorded at ACME-SSV-01R during the 2023 annual inspection; however, the negative differential pressure readings at ACME-SSV-02R and ACME-SSV-03R demonstrated slab depressurization in the 95 Lombardy Street target mitigation area. Blower repairs and follow-up vacuum monitoring completed for the 95 Lombardy Street system in 2024 are described in the following section.



The operating speed of the blower at 60 Anthony Street was lowered during the annual performance monitoring inspection, to reduce potential stress on the blower while maintaining slab depressurization within the target mitigation area. A differential pressure of 0.000 IWC was recorded at ACME-SSV-05 during the annual inspection; however, the negative differential pressure readings at ACME-SSV-04, ACME-SSV-06, and ACME-SSV-07 demonstrated slab depressurization in the 60 Anthony Street target mitigation area. Follow-up system maintenance performed in 2024 is described in the following section.

Copies of annual inspection forms are included in Attachment A. Site observation reports documenting the annual inspections and non-routine maintenance are included in Attachment B.

SSD System Maintenance

Maintenance to the 95 Lombardy Street SSD system was completed on 5 February 2024. AWT Environmental Services Inc. replaced internal blower parts, installed a condensate bypass fitting to reduce the amount of condensate reaching the blower, and restarted the blower. AWT also installed an effluent sampling port on the discharge stack, as described below. Langan collected confirmatory vacuum measurements on 9 February 2024, as presented in the table below:

Vacuum Monitoring	Vacuum (IWC)
Point	2/9/2024
ACME-SSV-01R	-0.015
ACME-SSV-02R	-0.215
ACME-SSV-03R	-0.053

As of the date of this report, the 95 Lombardy Street SSD system is operating as designed and the target mitigation area is depressurized.

Maintenance for the 60 Anthony Street SSD system was performed on 17 May 2024. AWT repaired the SSD system blower, adjusted the pitch of roof-mounted SSD system piping, and replaced damaged piping insulation. On 20 May 2024, Langan increased the operating speed of the blower and sealed the surficial cracks surrounding vacuum monitoring point SSV-05 with concrete patch as a precautionary measure. Langan then collected confirmatory vacuum readings, as presented in the table below:

Vacuum Monitoring	Vacuum (IWC)
Point	5/20/2024
ACME-SSV-04	-0.672
ACME-SSV-05	-0.016
ACME-SSV-06	-0.125
ACME-SSV-07	-0.347

As of the date of this report, the 60 Anthony Street SSD system is operating as designed and the target mitigation area is depressurized. Site observation reports documenting maintenance and follow-up monitoring are included in Attachment B.

SSD System Effluent Vapor Sampling

Sample Port Installation and Sample Collection

Pursuant to the OM&M Plan, AWT installed sample ports on the SSD blower discharge stacks as follows:

- The 60 Anthony Street sample port was installed during the reporting period, on 27 November 2023
- The 95 Lombardy Street sample port was installed on 5 February 2024

On 5 February 2024, Langan collected effluent vapor samples from the sample ports into 6-liter Summa canisters that were batch-certified clean by York Analytical Laboratories (York), a NYSDOH Environmental Laboratory Approval Program-certified analytical laboratory. Effluent vapor samples were submitted to York for volatile organic compound (VOC) analysis by USEPA Method TO-15.

Flow was measured at each fan's discharge stack at the time of sampling using an air velocity meter. The observed flow rates were 299 cfm (60 Anthony Street) and 267 cfm (95 Lombardy Street). Daily reports summarizing sample port installation and effluent vapor sampling are included in Attachment B.

Analytical Results and Calculated Emission Rates

Total VOC, PCE, and trichloroethene (TCE) emission rates for the SSD systems are included in the table below, as calculated by converting laboratory-reported concentrations to mass loading rates using the flow rate observed at the time of sampling on 5 February 2024.

	Total VC	C	PCE		TCE		
SSD System Fan	Concentration (micrograms per cubic meter [µg/m³])	Emission Rate (pounds/ hour)	Concentration (µg/m³)	Emission Rate (pounds/ hour)	Concentration (µg/m³)	Emission Rate (pounds/ hour)	
95 Lombardy Street	739.36	0.00074	400	0.00040	290	0.00029	
60 Anthony Street	208.7	0.00023	160	0.00018	2.6	0.000003	

The calculated emission rates for both SSD systems demonstrate substantive compliance with DAR-1 and the NYSDEC Emissions Guidance. A summary of the effluent vapor sample analytical results is presented in Table 1, and the laboratory report is provided as Attachment C.



SSD System Performance Summary and Site Evaluation

Based on data and observations from the 2022 and 2023, inspections and maintenance performed in 2024, the SSD systems are operating as follows:

- The 60 Anthony Street SSD system was operational during the reporting period (510 days) and is operating as designed. System maintenance performed in May 2024 is detailed above.
- On 21 November 2023, Langan observed that the blower at 95 Lombardy Street was unable to operate at full capacity; however, the 95 Lombardy Street target mitigation area was still partially depressurized. The 95 Lombardy Street system did not operate at full capacity from 21 November 2023 to 5 February 2024 (76 days), when the blower was replaced. System maintenance performed in February 2024 is detailed above, and the system is operating as designed.

No design alterations or modifications to the SSD systems are proposed except for the installation of a sample port on the blower discharge stack at 95 Lombardy Street, which was completed on 5 February 2024 per NYSDEC request.

DER-31 EVALUATION

The NYSDEC DER-31 Green Remediation Policy requires that green remediation concepts and techniques be considered during all stages of the remedial program, including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. A discussion and evaluation of environmental impacts associated with OM&M activities during the 2022 and 2023 reporting period and a summary of green remediation goals for the 2024 reporting period are included as Attachment D.

CLOSING

Based on field inspection observations and data, and maintenance performed in 2024, the SSD systems are effectively operating per design. SSD system operation and monthly SSD system inspections will continue per the OM&M Plan, and the next SSD system annual inspection will be in the fourth quarter of 2024. Please let us know by phone (646-593-0849) or email (pfarnham@langan.com) if you have any questions.

Sincerely,

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Gerald F. Nicholls

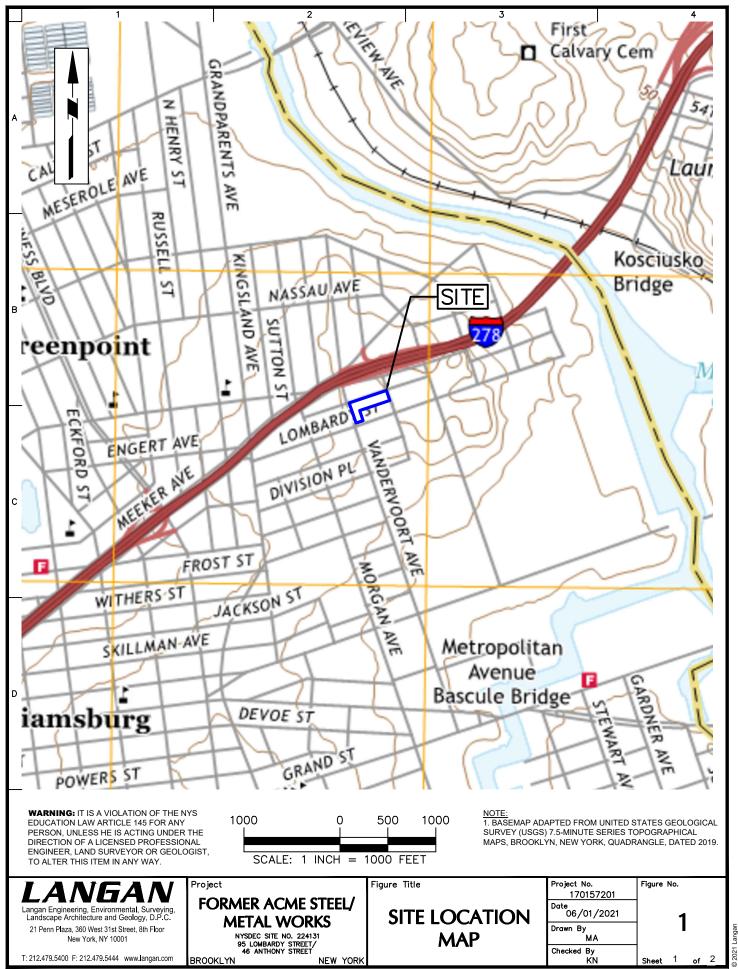
Gerald F. Nicholls, P.E., CHMM Associate Principal

Patrick Farnham, P.E. Senior Project Manager

 Enclosure(s): Figure 1 – Site Location Map Figure 2 – SSD System Layout Map
 Table 1 – SSD System Effluent Vapor Sample Analytical Results
 Attachment A – Site Inspection Forms Attachment B – Site Observation Reports Attachment C – Laboratory Report Attachment D – DER-31 Evaluation
 cc: H. Dudek, M. Murphy (NYSDEC) S. McLaughlin, S. Surani, J. Nealon, S. Bogardus (NYSDOH) J. Teich, Michael Teich, Marc Teich (Whitehead Company) C. Leas (Sive, Paget & Riesel, P.C.) M. Burke, S. Simpson (Langan)

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FIGURES



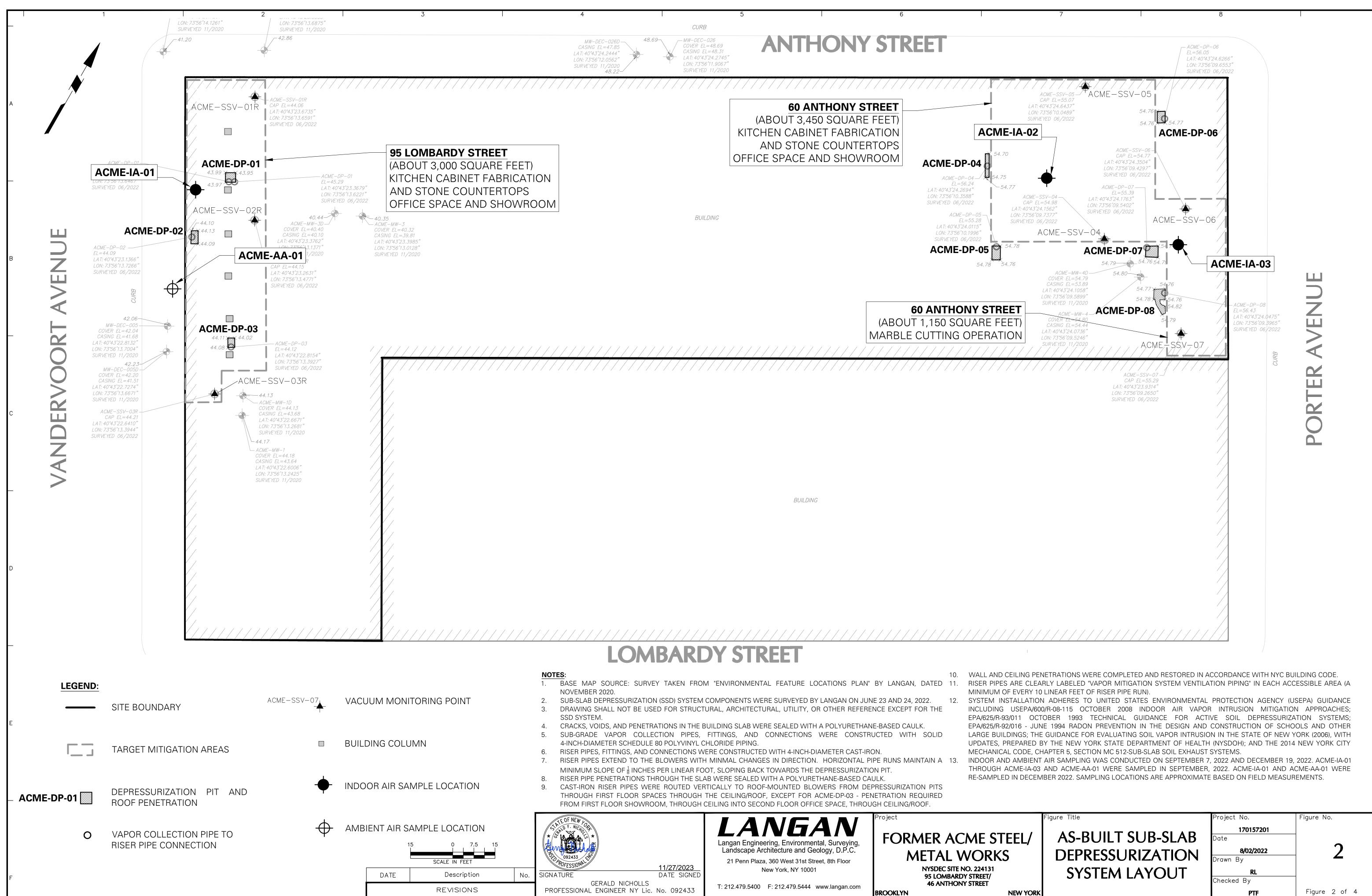


	Figure Title	Project No.	Figure No.
CME STEEL/ NORKS NO. 224131 DY STREET/ NY STREET	AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT	170157201 Date 8/02/2022 Drawn By RL Checked By	2
NEW YORK		PTF	Figure 2 of 4
Filename: \\langan.com\data\NYC\data2\170	157201\Cadd Data - 170157201\SheetFiles\Site 224131\CCR\Figure 3 - SSDS Layout.dwg	Date: 5/15/2023 Time: 14:14 User: cgrattan	Style Table: Langan.stb Layout: SSDS Layout

TABLE

Table 1Annual Maintenance and Monitoring Report - 2024SSD System Effluent Vapor Sample Analytical Results

95 Lombardy Street/46 Anthony Street Brooklyn, New York NYSDEC Site No.: 224131 Langan Project No.: 170157201

Location SSD_60A SSD_95L					
Analyta	CAS	Sample Name	SSD_60A_020524		
Analyte	Number	Sample Date	02/05/2024	02/05/2024	
		Unit	Result	Result	
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	<1 U	<1.2 U	
1,1,1-Trichloroethane	71-55-6	ug/m3	1.5 D	6.2 D	
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	<1 U	<1.2 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/m3	<1.2 U	<1.3 U	
1,1,2-Trichloroethane	79-00-5	ug/m3	<0.82 U	<0.93 U	
1,1-Dichloroethane	75-34-3 75-35-4	ug/m3	<0.61 U <0.15 U	<0.69 U <0.17 U	
1,1-Dichloroethene 1,2,4-Trichlorobenzene	75-35-4 120-82-1	ug/m3 ug/m3	<0.15 U <1.1 U	<0.17 U <1.3 U	
1,2,4-Trimethylbenzene	95-63-6	ug/m3	2 D	<0.84 U	
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/m3	<1.2 U	<0.84 0 <1.3 U	
1,2-Dichlorobenzene	95-50-1	ug/m3	<0.91 U	<1 U	
1,2-Dichloroethane	107-06-2	ug/m3	<0.61 U	<0.69 U	
1,2-Dichloropropane	78-87-5	ug/m3	<0.7 U	<0.79 U	
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	<1.1 U	<1.2 U	
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/m3	<0.74 U	<0.84 U	
1,3-Butadiene	106-99-0	ug/m3	<1 U	<1.1 U	
1,3-Dichlorobenzene	541-73-1	ug/m3	<0.91 U	<1 U	
1,3-Dichloropropane	142-28-9	ug/m3	<0.7 U	<0.79 U	
1,4-Dichlorobenzene	106-46-7	ug/m3	<0.91 U	<1 U	
1,4-Dioxane (P-Dioxane)	123-91-1	ug/m3	<1.1 U	<1.2 U	
2-Hexanone (MBK)	591-78-6	ug/m3	<1.2 U	<1.4 U	
4-Ethyltoluene	622-96-8	ug/m3	<0.74 U	<0.84 U	
Acetone	67-64-1	ug/m3	5.9 D	17 D	
Acrylonitrile	107-13-1	ug/m3	3.2 D	0.48 D	
Allyl Chloride (3-Chloropropene)	107-05-1	ug/m3	<2.4 U	<2.7 U	
Benzene	71-43-2	ug/m3	3.5 D	0.76 D	
Benzyl Chloride	100-44-7	ug/m3	<0.78 U	<0.88 U	
Bromodichloromethane	75-27-4	ug/m3	<1 U	<1.1 U	
Bromoethene	593-60-2	ug/m3	<0.66 U	<0.75 U	
Bromoform	75-25-2	ug/m3	<1.6 U	<1.8 U	
Bromomethane	74-83-9	ug/m3	<0.59 U	<0.66 U	
Carbon Disulfide	75-15-0	ug/m3	<0.47 U	<0.53 U	
Carbon Tetrachloride	56-23-5	ug/m3	0.47 D	0.43 D	
Chlorobenzene	108-90-7	ug/m3	<0.69 U <0.4 U	<0.78 U	
Chloroethane Chloroform	75-00-3 67-66-3	ug/m3 ug/m3	<0.4 U	<0.45 U 1.8 D	
Chloromethane	74-87-3	ug/m3	2.3 D	1.8 D 1.9 D	
Cis-1,2-Dichloroethene	156-59-2	ug/m3	<0.15 U	1.6 D	
Cis-1,3-Dichloropropene	10061-01-5	ug/m3	<0.68 U	<0.77 U	
Cyclohexane	110-82-7	ug/m3	<0.52 U	<0.59 U	
Dibromochloromethane	124-48-1	ug/m3	<1.3 U	<1.5 U	
Dichlorodifluoromethane	75-71-8	ug/m3	3.5 D	3.8 D	
Ethyl Acetate	141-78-6	ug/m3	<1.1 U	<1.2 U	
Ethylbenzene	100-41-4	ug/m3	0.98 D	0.89 D	
Hexachlorobutadiene	87-68-3	ug/m3	<1.6 U	<1.8 U	
Isopropanol	67-63-0	ug/m3	2 BD	<2.1 U	
M,P-Xylene	179601-23-1	ug/m3	2.2 D	3.6 D	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/m3	1.7 D	2.2 D	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/m3	<0.62 U	<0.7 U	
Methyl Methacrylate	80-62-6	ug/m3	<0.62 U	<0.7 U	
Methylene Chloride	75-09-2	ug/m3	<1 U	<1.2 U	
n-Heptane	142-82-5	ug/m3	<0.62 U	<0.7 U	
n-Hexane	110-54-3	ug/m3	0.53 D	<0.6 U	
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/m3	0.92 D	1.4 D	
Propylene	115-07-1	ug/m3	2.4 D	<0.29 ∪	
Styrene	100-42-5	ug/m3	7.6 D	1.2 D	
Tert-Butyl Methyl Ether	1634-04-4	ug/m3	<0.54 U	<0.61 U	
Tetrachloroethene (PCE)	127-18-4 109-99-9	ug/m3	160 D <0.89 ∪	400 D 1.3 D	
Tetrahydrofuran Toluene	109-99-9	ug/m3 ug/m3	<0.89 0 3.9 D	1.3 D 3.3 D	
Trans-1,2-Dichloroethene	108-88-3	ug/m3 ug/m3	3.9 D <0.6 U	3.3 D <0.68 U	
Trans-1,3-Dichloropropene	10061-02-6	ug/m3	<0.68 U	<0.88 U <0.77 U	
Trichloroethene (TCE)	79-01-6	ug/m3	2.6 D	290 D	
Trichlorofluoromethane	75-69-4	ug/m3	1.5 D	1.5 D	
Vinyl Acetate	108-05-4	ug/m3	<0.53 U	<0.6 U	
Vinyl Chloride	75-01-4	ug/m3	<0.19 U	<0.22 U	
Total VOCs	TOTALVOCS	ug/m3	208.7	739.36	

95 Lombardy Street/46 Anthony Street Brooklyn, New York NYSDEC Site No.: 224131 Langan Project No.: 170157201

Notes:

CAS - Chemical Abstract Service NS - No standard ug/m3 - microgram per cubic meter NA - Not analyzed RL - Reporting limit <RL - Not detected

Qualifiers:

D - The concentration reported is a result of a diluted sample.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

B - The analyte was found in the associated analysis batch blank.

ATTACHMENT A INSPECTION FORMS

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works

Project Number: 170157201 Date: 07/29/2022

Location: 95 Lombardy Street, Brooklyn, NY

Weather: Partly cloudy 78-92 ° F, Wind : SW 8mph

Inspector Name: Roswell Lo

Reason for Inspection: Start-up Inspection

		Y	N	NA	Remarks
	Records	<u> </u>			
1	Is the Operations & Maintenance Plan readily available on- site?		х		Pending NYSDEC Approval
2	Based on site records, when was the last inspection, maintenance, or repair event?			x	
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.			x	
	Alarm System			I	
4	Do the alarm lights indicate that the system is operational?	х			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?			x	
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			x	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			х	
8	Does all visible SSD system piping appear intact and undamaged?	x			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		x		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	x			
11	What is the system flow prior to the fan (scfm)?			Х	ACME-DP-01: 8.5 scfm, ACME-DP-02: 49.36 scfm, ACME-DP-03: 5.06 scfm
12	What is the sytem vaccuum prior to the fan (IWC)?			х	ACME-DP-01: 6 IWC, ACME-DP-02: 5.4 IWC, ACME-DP-03: 6.2 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	х			

SSD System Components

- Rain guards on vent pipe exhausts

Riser pipes labeled

- Sample ports on risers

Vacuum gauges on the risersAlarm system present and properly labeled

Additional Remarks / Items to be addressed:



SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works

Location: 60 Anthony Street, Brooklyn, NY

Project Number: 170157201 Date: 08/08/2022

Weather: Partly cloudy 78-92 ° F, Wind : SW 8mph

Inspector Name: Audrey Seery

Reason for Inspection: Start-up Inspection

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on- site?		х		Pending NYSDEC Approval
2	Based on site records, when was the last inspection, maintenance, or repair event?			x	
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.			x	
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	х			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?			x	
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			x	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			x	
8	Does all visible SSD system piping appear intact and undamaged?	x			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		х		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	х			
11	What is the system flow prior to the fan (scfm)?			x	ACME-DP-04: 28.88 scfm, ACME-DP-05: 5.94 scfm, ACME-DP-06: 6.58 scfm, ACME-DP-07: 11.74 scfm, ACME-DP-08: 14.72 scfm
12	What is the sytem vaccuum prior to the fan (IWC)?			x	ACME-DP-04: 4.8 IWC, ACME-DP-05: 5 IWC, ACME-DP-06: 5 IWC, ACME-DP-07: 5 IWC, ACME-DP-08: 5 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	х			

SSD System Components

- Rain guards on vent pipe exhausts

- Riser pipes labeled

Sample ports on risers

- Vacuum gauges on the risers

- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:



Sub-Slab Depressurization System Startup Inspection

Differential Pressure Measurements

95 Lombardy St / 60 Anthony St., Brooklyn, NY Langan Project No. 170157201 NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points								
Location	Vacuum (inH2O)	Smoke Entering (Y/N)	Notes/Observations					
ACME-SSV-01R	-0.053	Ν						
ACME-SSV-02R	-0.288	Ν						
ACME-SSV-03R	-0.155	Ν						
ACME-SSV-04	-0.802	Ν						
ACME-SSV-05	-0.016	Ν	Loose port, measureme	nt retaken after port reinstalled on 8/8/22				
ACME-SSV-06	-0.121	Ν						
ACME-SSV-07	-0.454	Ν						
	5	SSD Pressure Field Testing	g - Depressurization Pit F	Risers				
Location	Vacuum (inH20)	Flow (CFM)	Smoke Entering (Y/N)	Notes/Observations				
ACME-DP-01	6.0	8.5	Ν	Smoke initially infiltrated at the edges of				
ACME-DP-02	5.4	49.36	Ν	newly placed concrete. Edges were sealed and each location passed the leak				
ACME-DP-03	6.2	5.06	Ν	test on 7/29/22.				
ACME-DP-04	4.8	28.88	Ν					
ACME-DP-05	5	5.94	Ν	Smoke initially infiltrated at the edges of				
ACME-DP-06	5	6.58	Ν	newly placed concrete. Edges were sealed and each location passed the leak				
ACME-DP-07	5	11. 74	Ν	test on 8/8/22.				
ACME-DP-08	5	14.72	Ν					

<u>Notes:</u> 1. SSD = Sub-slab Depressurization

2. CFM = cubic feet per minute

2. inH20 = inches of water column

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	lf "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee	r	If "Yes," call number below	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

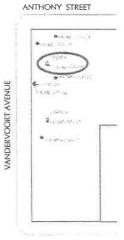
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

BURDYN 1/2 -2022



ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below,	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

PAUL BUROYN Paul Budyn 9-1-2022

Q. 1. 19 11 125.4 VANDERVOORT AVENUE 4-constraint · alterior

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		ک	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below,	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

IROVN 9--2022

Q.1.15 a spanner. VANDERVOORT AVENUE A. M. A. Transfer

14

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below,	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

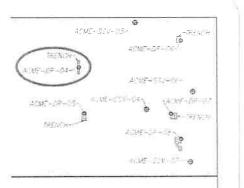
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Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

RURDYN -202)



ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," cali number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

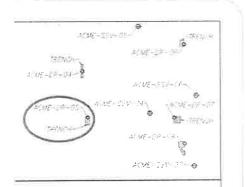
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN -2022



ACME-DP-06

Question	No	Yes	Directions	Comments
s the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?	-1	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

ä

Signature of Person Performing Inspection:

Date of Inspection:

URDYN -2022

ø 4 CME - SSV - 05 215-25-0 TRENCH-18:48-69-59-5 4.14E-552-00-0 A 115-55V-54 3100-28-05 A DEATERS 011 RENER 7245 4.15-5-5-3

ACME-DP-07

No	Yes	Directions	Comments
	V	If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	V	If "No," call number below.	
	\bigvee	If "No," call number below.	
	\checkmark	If "No," call number below.	
		If "No," call number below.	
\checkmark		If "Yes," call number below.	
		If "Yes," call number below.	
		No Yes / / 5 / / / / / / / / / / / / / /	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

-2022

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ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		V	If "No," call number below	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

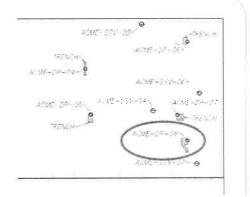
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN AVI aul Budyn 9-1-2022



ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?		1	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

PAUL BUROYN Paul Burdyn 10-3-2022

Sec.30.3/1-1 a.v. · VALUE VANDERVOORT AVENUE 100 a second

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	lf "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	lf "No," call number below₌	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	V		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

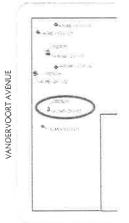
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Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

ROVN 10-3-2022



ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?			If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int	ζ	If "Yes," call number below,	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

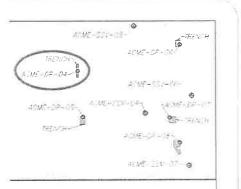
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

AUL BURDYN and 10-3-2022



ACME-DP-05

No	Yes	Directions	Comments
	\checkmark	If "No," call number below,	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below:	
	\bigvee	If "No," call number below:	
	\checkmark	If "No," call number below.	
\checkmark		If "Yes," call number below,	
\int		If "Yes," call number below.	
		No Yes 5	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

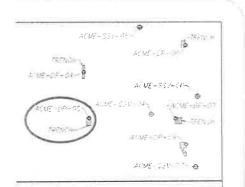
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

PAVE BURDYN Paul Burdyn 10-3-2022



ACME-DP-06

No	Yes	Directions	Comments
	\checkmark	If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	V	If "No," call number below.	
	\checkmark	If "No," call number below.	
	J	If "No," call number below.	
	V	If "No," call number below.	
J		If "Yes," call number below,	
]		If "Yes," call number below.	
			If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

URDYN 10-3-2022

ø 4 CME - SEV- 05-17572-09-ACHE-DP=DV-はは相手がないがた 0 A 301-592-04 HANG-ER-D 4CME-08-05 2 - Service TE ENCH-R ANG - 1- 0

ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee	k	If "Yes," call number below。	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection;

Date of Inspection:

10-3-2022

0 ACME - 551 - 25 40ME-57-57 17221231-PORTER AVENUE 4-15-04-04-2018-550400 S. ME 253-04-115-26 ACNE-52-13-100 Contraction of the second Tezral en-1000-00-00 40.45-11-0

ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		V	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

RURDYN 10-3-2022

45ME-351-05 186 V 1 REACH ACHERESANAN 第2月19日33年1月1日 e ACM1-10-17 1016 NR-05-S- THENCH -ACNO-14**0**0/10/2010 0

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

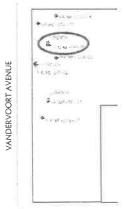
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

VL BURDYN 10-3-2022



ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

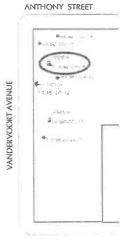
Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

AVL BURDYN 11-1-2022



ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?	I	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BUROYN Paul Budy 11-1-2022

ANTHONY STREET Q.A. (1) 11 6. 12101 \$..... VANDERVOORT AVENUE a martine A

ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

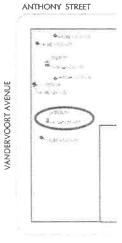
Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

RIROVN -2022



ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

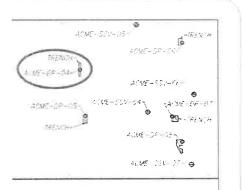
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN 11-1-2022



ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	if "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	J		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

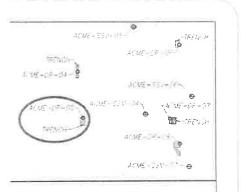
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

IRDYN 11-1-2022



ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		V	If "No," call number below	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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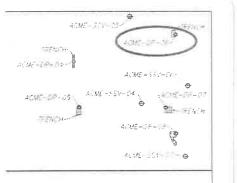
Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

ROTN 1=1-2022



ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee	<i>k</i>	If "Yes," call number below,	
Contact: Langan Engineering, Environmental, Surveying, Lanc	Iscape A	rchitectur	e and Geology, D.P.C.	Site Man

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P Phone Number: 212-479-5578 Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

1-1 -2022

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ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
is the system alarm operational?		\checkmark	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		V	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\square		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

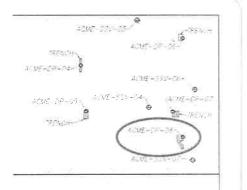
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

UROYN 11-1-2022



ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below,	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

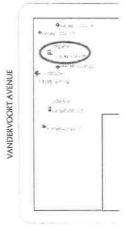
ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

BURDYN 1/2 12-1-2022



ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?		1	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection.

PAUL BUROYN Paul Burdyn 11-1-2022

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		ک	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

ROYN -2022 11-

ANTHONY STREET O.1.14 1. Jac 1999 or and the second VANDERVOORT AVENUE 10231 A. L. Mallins

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

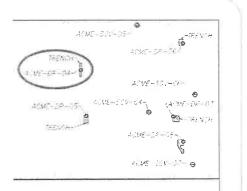
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN 11-1-2022



PORTER AVENUE

1

ACME-DP-05

Question	Question No Yes Directions		Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?	1	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	J		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

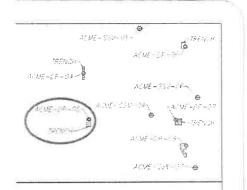
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Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

URDYN 12-1-2022



ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

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Signature of Person Performing Inspection.

Date of Inspection:

ROTN 1=1-2022

0 4 CME - 55 Y - 05 ALT-25-31 **TRENCH** ACUE-DREDAH 🖞 A045-588-67-0 A 10 - NOV-04 WINE-BE-M 4040-58-05 21- 192100 TENCH 4016-09-04 2 ALUE - 231-11 - 0

ACME-DP-07

No Yes Directions		Directions	Comments
	V	If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
		If "No," call number below,	
1		If "Yes," call number below.	
		If "Yes," call number below.	
		No Yes / / 5 / / / / / / / / / / /	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

12-1 -2022

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ACME-DP-08

Question	Question No Yes Directions		Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?]	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

PAVI BUROYN Paul Burdyn 12-1-2022

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Sub-Slab Depressurization System Annual Inspection

Differential Pressure Measurements

95 Lombardy St / 60 Anthony St., Brooklyn, NY Langan Project No. 170157201 NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points										
Location	Vacuum (inH2O)	Notes	/Observations							
ACME-SSV-01R	0.025									
ACME-SSV-02R	0.342									
ACME-SSV-03R	0.123									
ACME-SSV-04	0.199	N/A								
ACME-SSV-05	0.017									
ACME-SSV-06	0.090									
ACME-SSV-07	0.115									
	SSD Pressure Field Testing - Depressurization Pit Risers									
Location	Vacuum (inH20)	Flow (CFM)	Notes/Observations							
ACME-DP-01	6.0	17.99								
ACME-DP-02	5.1	170.55								
ACME-DP-03	6	30.02								
ACME-DP-04	3.2	83.79	N/A							
ACME-DP-05	4	58.64								
ACME-DP-06	4.1	30.41								
ACME-DP-07	4	39.29								
ACME-DP-08	4.1	33.8								

<u>Notes:</u> 1. SSD = Sub-slab Depressurization

2. CFM = cubic feet per minute

3. inH20 = inches of water column

4. N/A = Not Applicable

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works

Location: 95 Lombardy Street, Brooklyn, NY

Project Number: 170157201 Date: 12/1/2022 Weather: Sunny, 30s

Inspector Name: Liz McConnell

Reason for Inspection (i.e., routine, severe condition, etc.): Routine - annual

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on- site?	Х			
2	Based on site records, when was the last inspection, maintenance, or repair event?			Х	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.		Х		
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	Х			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		х		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			х	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			х	
8	Does all visible SSD system piping appear intact and undamaged?	Х			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		х		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	Х			
11	What is the system flow prior to the fan (CFM)?			Х	ACME-DP-01: 17.99 CFM, ACME-DP-02: 170.55 CFM, ACME-DP-03: 30.02 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			Х	ACME-DP-01: 6 IWC, ACME-DP-02: 5.1 IWC, ACME-DP-03: 6 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	Х			
	SSD System Components	<u> </u>	<u> </u>	1	<u>Notes</u>
- - -	Rain guards on vent pipe exhausts Riser pipes labeled Sample ports on risers				 CFM - cubic feet per minute in. WC = inches of water column SSD = Sub-slab depressurization HASP = Health and Safety Plan

- Sample ports on risers

Vacuum gauges on the risers

- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:



Page 1 of 2

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works

Location: 60 Anthony Street, Brooklyn, NY

Date: 12/1/2022 Project Number: 170157201

Weather: Sunny, 30s

Inspector Name: Liz McConnell

Reason for Inspection (i.e., routine, severe condition, etc.): Routine - annual

		Y	Ν	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on- site?	Х			
2	Based on site records, when was the last inspection, maintenance, or repair event?			х	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.		х		
	Alarm System				
4	Do the alarm lights indicate that the system is operational?	Х			
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		х		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			х	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			х	
8	Does all visible SSD system piping appear intact and undamaged?	Х			
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		х		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?	Х			
11	What is the system flow prior to the fan (scfm)?			Х	ACME-DP-04: 83.79 CFM, ACME-DP-05: 58.64 CFM, ACME-DP-06: 30.41 CFM, ACME-DP-07: 39.29 CFM, ACME-DP-08: 33.8 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			х	ACME-DP-04: 3.2 IWC, ACME-DP-05: 4 IWC, ACME-DP-06: 4.1 IWC, ACME-DP-07: 4 IWC, ACME-DP-08: 4.1 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	Х			
	SSD System Components	<u> </u>	1	<u>I</u>	Notes 1. CFM - cubic feet per minute

- Rain guards on vent pipe exhausts

2. in. WC = inches of water column

- Riser pipes labeled
- Sample ports on risers
- Vacuum gauges on the risers
- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:

3. SSD = Sub-slab depressurization 4. HASP = Health and Safety Plan



Page 2 of 2

ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BUROYN Paul Budyn 1-2-2022

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	V		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

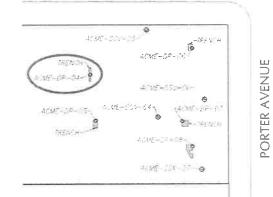
ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	J		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

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ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?			If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below:	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		V	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		J	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J	2	If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

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ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?]	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below:	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below:	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BUROYN Paul Bendyn -2022

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

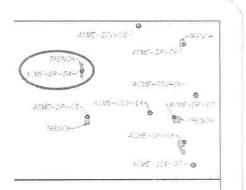
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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PORTER AVENUE

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ACME-DP-05

No	Yes	Directions	Comments
	\checkmark	If "No," call number below,	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
	\bigvee	If "No," call number below.	
	\checkmark	If "No," call number below.	
\checkmark		If "Yes," call number below.	
\int		If "Yes," call number below.	
		No Yes 5	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

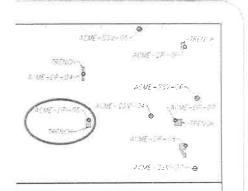
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

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ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below,	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	if "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

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Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-07

No	Yes	Directions	Comments
	V	If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	V	If "No," call number below,	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below,	
1		If "Yes," call number below.	
$\langle \rangle$		If "Yes," call number below.	
	No	No Yes	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-08

No	Yes	Directions	Comments
	\checkmark	If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
		If "No," call number below.	
		If "No," call number below,	n
J		If "Yes," call number below.	
		If "Yes," call number below.	
		No Yes	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water, call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Signature of Person Performing Inspection:

Date of Inspection:

ROYN 2-1-2023

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ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?	L,:	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	/		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BUROYN Paul Burdyn 2 --2022

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

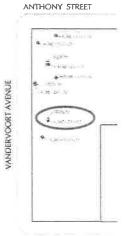
Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

IROVN 1--2022



ACME-DP-04

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\square		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

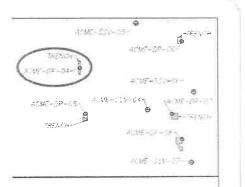
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

AUL BURDYN 3-



ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

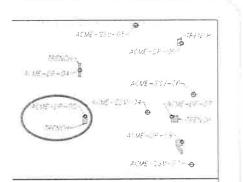
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

IRDYN 3-1-2022



ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below,	
What is the vacuum gauge reading?	1.	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	15 III0
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

3

Signature of Person Performing Inspection

Date of Inspection:

PAIN BURDYN 2-1-2022

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ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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9 ACME SEV-15 ACME-SE D PORTER AVENUE 4 11-19-04-9 ACME-551-7 A.ML 15V 64 ACME-BR-manner an NEW H-2015-08-05-1045-00V-77-0

ACME-DP-08

Question	No	Yes	Directions	Comments
is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

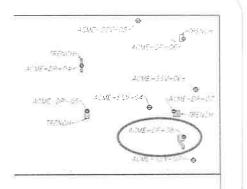
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

ROYN -2023



ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

BURDYN 4---202

Q VANDERVOORT AVENUE 1 12 20 12 Sugar. 0. 191 - 171

ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?		1	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BURDYN Paul Burdyn 24-1-2023

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below,	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

ACME-DP-04

Question	No	Yes	Directions	Comments
is the system vacuum gauge operational?		\bigvee	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

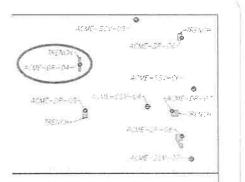
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection;

Date of Inspection:

BURDYN AUL



ACME-DP-05

Yes	Directions	Comments
\checkmark	If "No," call number below.	
5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
\checkmark	If "No," call number below.	
\checkmark	If "No," call number below.	
\checkmark	If "No," call number below.	
\checkmark	If "No," call number below,	
	If "Yes," call number below.	
	If "Yes," call number below.	
C	hitectur	If "Yes," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

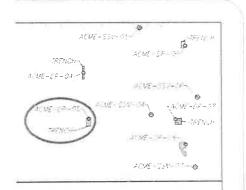
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

IROYN



ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?	1	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?	3	V	If "No," call number below	
Are the system in-line fans operating?		V	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	
Contact: Langan Engineering, Environmental, Surveying, Land	iscape A	rchitectu	e and Geology, D.P.C.	Site Map

Phone Number: 212-479-5578

Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

URDYN -2022

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ACME-DP-07

	1		
		If "No," call number below.	
	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	V	If "No," call number below.	
	\bigvee	If "No," call number below.	
	\checkmark	If "No," call number below.	
		If "No," call number below.	
		If "Yes," call number below.	
\bigvee		If "Yes," call number below.	
	/ /		S water, ok. If above 10 inches of water call number below. If "No," call number below. If "Yes," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, L Phone Number: 212-479-5578 Site Map

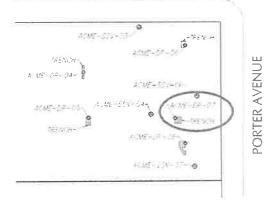
ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

-2023



ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

JROYN -2023

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ACME-DP-01

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		1	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\bigvee		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

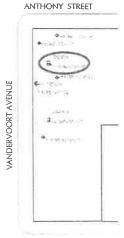
Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

AVL BURDYN 5-1-2022



ACME-DP-02

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		J	If "No," call number below.	
Is air being discharged from the system vent?			If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\bigvee	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BURDYN Paul Burdyn 5-1 -2022

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ACME-DP-03

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below.	
What is the vacuum gauge reading?	4	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	1		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\checkmark		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

ROYN

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ACME-DP-04

No	Yes	Directions	Comments
	V	If "No," call number below,	
1	5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below,	
	\checkmark	If "No," call number below.	
	\checkmark	If "No," call number below.	
\int		If "Yes," call number below.	
\square		If "Yes," call number below.	
		✓ 5 ✓ ✓	If "No," call number below. If reading is below 10 inches of water, ok. If above 10 inches of water call number below. If "No," call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

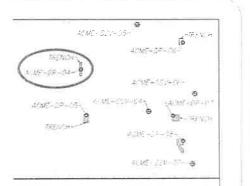
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN AUL 5-



ACME-DP-05

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\checkmark	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," cali number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

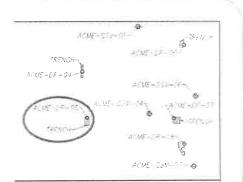
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

BURDYN S-1-2022



ACME-DP-06

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below.	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		V	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		J	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		V	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below,	
Are there any blockages in SSD System piping?]		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

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Signature of Person Performing Inspection:

Date of Inspection:

URDIN 5-1-2022

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ACME-DP-07

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		V	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\bigvee	If "No," call number below.	
Are the system in-line fans operating?		\bigvee	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\bigvee		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578 Site Map

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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ACME-DP-08

Question	No	Yes	Directions	Comments
Is the system vacuum gauge operational?		\bigvee	If "No," call number below,	
What is the vacuum gauge reading?		5	If reading is below 10 inches of water, ok. If above 10 inches of water call number below.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Are the system in-line fans operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?			If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	J		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below:	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

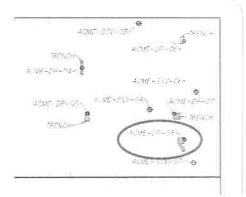
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

ISROYN 5-1-2023



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below,	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

2023

Date of Inspection:

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95 Lombardy Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

<u>Site Map</u>

ANTHONY STREET

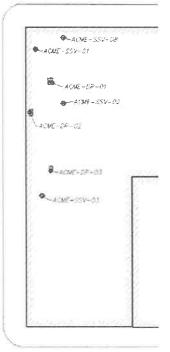
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection

Date of Inspection:

PAUL BURDYN



VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?			If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below,	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below.	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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ROY

60 Anthony Street

ACME-DP-04	ACME-DP-05	ACME-DP-06	ACME-DP-07	ACME-DP-08
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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

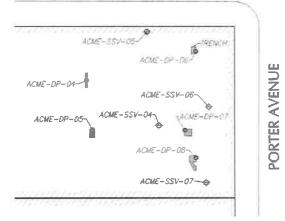
ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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95 Lombardy Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?			If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

ANTHONY STREET

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

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60 Anthony Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

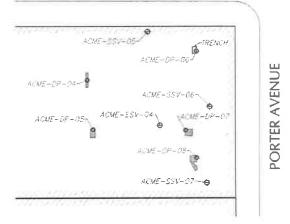
Site Map ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection

Signature of Person Performing Inspection:

AUL BURDYN aul



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

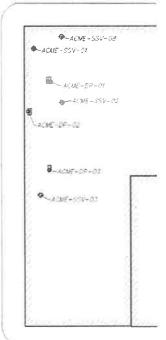
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

IRDYN 2



VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below,	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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60 Anthony Street

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Note: It readings are below 10 inches of water, ok. It above 10 inches of water, call number below

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

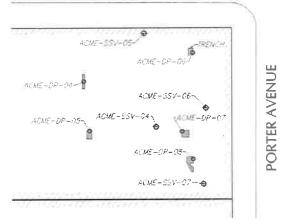
ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

UL RURO



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below,	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

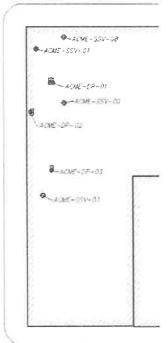
This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

AVL BURDYN



VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\int		If "Yes," call number below,	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

ANTHONY STREET

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

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60 Anthony Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

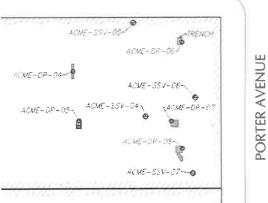
Site Map ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection

AUL RURO aul Burd



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below,	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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95 Lombardy Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection!

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60 Anthony Street

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Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

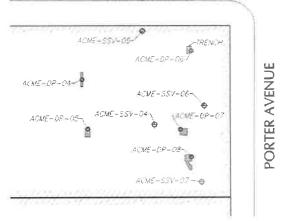
ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

PAUL BURDYN Paul Bursim



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?	\checkmark		If "Yes," call number below.	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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95 Lombardy Street

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Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

Date of Inspection:

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VANDERVOORT AVENUE

60 Anthony Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?			If "No," call number below.	
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<u>Site Map</u>

ANTHONY STREET

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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

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60 Anthony Street

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	ACME-DP-06	ACME-DP-06 ACME-DP-07

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below,

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

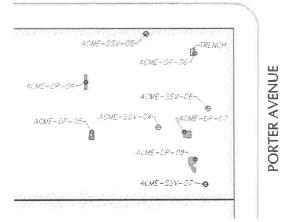
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Name of Person Performing Inspection:

Signature of Person Performing Inspection:

AUL BURDYN aul Burdy



60 Anthony Street

Question	No	Yes	Directions	Comments
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Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below,	
Is air being discharged from the system vent?		\checkmark	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below.	
Are there any blockages in SSD System piping?	\int		If "Yes," call number below,	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

ROYN

ACME - \$51 - 05 ACME DF TF PORTER AVENUE 4018-28-04-4049-559-07-0 4016-557-04 ALME-TE-ISA ALME-DE-CO 9 97 ACKE-DE-176ip ACLE-SSV-07-0

60 Anthony Street

ACME-DP-04	ACME-DP-05	ACME-DP-06	ACME-DP-07	ACME-DP-08
5	5	5	5	5

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

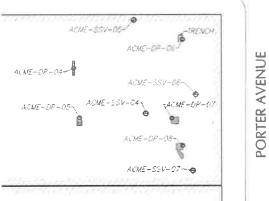
Site Map ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

AUL an



95 Lombardy Street

Question	No	Yes	Directions	Comments
Are all of the system vacuum gauges operational?		\checkmark	If "No," call number below and note which gauges.	
Is the system alarm operational?		\checkmark	If "No," call number below.	
Is the system in-line fan operating?		\checkmark	If "No," call number below.	AT A SLOW RATE
Is air being discharged from the system vent?		\bigvee	If "No," call number below.	
Are clamps in system piping properly fastened and seals near the in-line fan intact and properly sealed?		\checkmark	If "No," call number below.	
Are there any holes, cracks, or other physical deficiencies in SSD System piping?			If "Yes," call number below	
Are there any blockages in SSD System piping?			If "Yes," call number below.	

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

Site Map

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection;

2023

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95 Lombardy Street

ACME-DP-01	ACME-DP-02	ACME-DP-03
2	2	2

Note: If readings are below 10 inches of water, ok. If above 10 inches of water, call number below.

Contact: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Phone Number: 212-479-5578

<u>Site Map</u>

ANTHONY STREET

This form must be signed, kept on file at the building location and be available on inspection.

Name of Person Performing Inspection:

Signature of Person Performing Inspection:

AVL BURDYN

Date of Inspection:

	ACHE	54-01		
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VANDERVOORT AVENUE

Sub-Slab Depressurization System Startup Inspection

Differential Pressure Measurements

95 Lombardy St / 60 Anthony St., Brooklyn, NY Langan Project No. 170157201 NYSDEC Site No. 224131

SSD Pressure Field Testing - Vacuum Monitoring Points								
Location	Vacuum (inH2O)	Note	s/Observations					
ACME-SSV-01R	0.002							
ACME-SSV-02R	-0.010							
ACME-SSV-03R	-0.011	SSV	point damaged					
ACME-SSV-04	-0.216							
ACME-SSV-05	0.000	Surficial cracks observed near point						
ACME-SSV-06	-0.079							
ACME-SSV-07	-0.282							
SSD Pressure Field Testing - Depressurization Pit Risers								
Location	Vacuum (inH20)	Flow (CFM)	Notes/Observations					
ACME-DP-01	0.0	1.00	Alarm connected to DP02 was unplugged					
ACME-DP-02	0.0	0.00	upon arrival. Although 95 Lombardy St fan is on, when alarm is plugged in the					
ACME-DP-03	0.0	0.89	alarm is still raised.					
ACME-DP-04	-3.5	31.06						
ACME-DP-05	-3.5	82.77	Alarm connected to DP06 was unplugged					
ACME-DP-06	-4.0	31.61	upon arrival. Field personnel reconnected the alarm.					
ACME-DP-07	-4.0	39.30						
ACME-DP-08	-4.5	31.36						

Notes:

1. SSD = Sub-slab Depressurization

2. CFM = cubic feet per minute

2. inH20 = inches of water column

SUB-SLAB DEPRESSURIZATION (SSD) SYSTEM INSPECTION CHECKLIST

Site Name: Former Acme Steel/Metal Works

Location: 60 Anthony St / 95 Lombardy Street, Brooklyn, NY

Project Number: 170157201 Date: 11/21/2023

Weather: Sunny, 36-50F

Inspector Name: Seyena Simpson

Reason for Inspection (i.e., routine, severe condition, etc.): Routine - annual

1. CFM - cubic feet per minute

2. in. WC = inches of water column
3. SSD = Sub-slab depressurization
4. HASP = Health and Safety Plan

		Y	N	NA	Remarks
	Records				
1	Is the Operations & Maintenance Plan readily available on- site?	x			
2	Based on site records, when was the last inspection, maintenance, or repair event?			х	9/7/22 - post-mitigation indoor air sampling
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? If yes, provide duration and details.	x			
	Alarm System				
4	Do the alarm lights indicate that the system is operational?		х		The alarm system on DP02 indicates that the 95 Lombardy St system is not operational
	General System				
5	Is there any construction activity since the last event that included the breaching of the floor slab, on-site at the time of this inspection?		x		
6	If YES to Number 5, is there documentation that the HASP for the site was/is being followed?			х	
7	If YES to Number 5, is there documentation that all breaches in the floor slab have been sealed?			x	
8	Does all visible SSD system piping appear intact and undamaged?		x		Vacuum monitoring point SSV03R appears to be damaged and surficial cracking was observed around SSV05
9	Have any intake points been constructed at the roof near (less than 10 feet) the SSD system in-line fan discharge points?		x		
	SSD System In-Line Fan Units				
10	Is the SSD system operational at the time of the inspection?		x		The 95 Lombardy St fan was not operating at full capacity at the time of the inspection
11	What is the system flow prior to the fan (CFM)?			x	ACME-DP-01: 1.00 CFM, ACME-DP-02: 0.00- CFM, ACME-DP-03: 0.89 CFM, ACME-DP-04: 31.06 CFM, ACME-DP-05: 82.77 CFM, ACME- DP-06: 31.61 CFM, ACME-DP-07: 39.30 CFM, ACME-DP-08: 31.36 CFM
12	What is the sytem vaccuum prior to the fan (in. WC)?			x	ACME-DP-01: 0.00 IWC, ACME-DP-02: 0.00 IWC, ACME-DP-03: 0.00 IWC, ACME-DP-04: 3.50 IWC, ACME-DP-05: 3.50 IWC, ACME-DP- 06: 4.00 IWC, ACME-DP-07: 4.00 IWC, ACME- DP-08: 4.50 IWC
13	Are the SSD system in-line fans expelling air at the discharge point?	x			
	SSD System Components				Notes

- Rain guards on vent pipe exhausts

Riser pipes labeled

- Sample ports on risers

- Vacuum gauges on the risers

- Alarm system present and properly labeled

Additional Remarks / Items to be addressed:



ATTACHMENT B SITE OBSERVATION REPORTS

LANGAN



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Wor NYSDEC Site No. 224131 46 Anthony St./95 Lombardy S Brooklyn, New York 11222		DATE: WEATHER: TIME:	07/29/2022 Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph 8:00 a.m. to 3:15 p.m.
EOUIPMENT: Cirrus Wind India TSI Velocicalc 95		PRESENT AT SITE: Langan: Roswell Lo <u>AWT:</u> Gary Milchand	[7.25 hours on	site] er [7.25 hours on site]

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to observe the implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Design Work Plan (RDWP), dated January 14, 2022.

Site Activities

- AWT replaced the O-rings, manhole cover bolts, and well plugs for monitoring wells ACME-MW-4 and ACME-MW-4D. The annulus of each well manhole was cleaned of accumulated debris, and each polyvinyl chloride (PVC) well riser was extended.
- AWT installed remaining sub-slab depressurization (SSD) system components (riser labels, rain caps and vacuum gages).
- Langan performed smoke testing of the SSD pits, risers, and building slab at 95 Lombardy Street. Joints in the concrete slab above ACME-DP-01 through ACME-DP-03 were sealed. Smoke testing was completed with no apparent infiltration after sealing the identified joints.
- Langan used an air velocity meter to conduct communication testing by measuring differential pressure at the sub-slab soil vapor points within the SSD target mitigation area (ACME-SSV-02, ACME-SSV-03, and ACME-SSV-08), and on the riser sample ports (ACME-DP-01 through ACME-DP-03).
 - Differential pressure measurements indicated that the floor slab throughout the entire SSD target mitigation area is depressurized (i.e., a vacuum was observed at each location).

Location	Vacuum (inH2O)
ACME-SSV-02	-0.288
ACME-SSV-03	-0.155
ACME-SSV-08	-0.053

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Roswell Lo
	Leas, and Michael Haggerty		Langan



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works	CLIENT: Whitehead Company	DATE: WEATHER:	07/29/2022 Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph
	NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	,	TIME:	8:00 a.m. to 3:15 p.m.

Material Tracking

- About 5.5 cubic yards (CY) of concrete is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).
- About 9 CY of soil is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).

Community Air Monitoring Plan (CAMP) Activities

• The CAMP was not implemented due to lack of soil-intrusive activities.

Anticipated Activities

- Urban Lighting will continue installation of electrical wiring for the SSD blower and blower alarm at 60 Anthony Street.
- AWT will continue to conduct SSD system start up activities next week.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Roswell Lo
	Leas, and Michael Haggerty		Langan



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	07/29/2022 Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph 8:00 a.m. to 3:15 p.m.
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SITE PHOTOGRAPHS:

<u> Photo 1:</u>

General view of monitoring well ACME-MW-4D at 60 Anthony after AWT performed maintenance/ housekeeping.



<u>Photo 2:</u>

General view of vent cap installed on blower at 60 Anthony Street (facing south).



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Roswell Lo	
	Leas, and Michael Haggerty		Langan	
Wangan	Wangan appldata/NVC/data2/170157201/Enginearing Data/Environmenta//Site 224121DD///D_Implementation/SOPs			



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	07/29/2022 Mostly Cloudy, 78-87 °F Wind: W @ 0-12 mph 8:00 a.m. to 3:15 p.m.
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Photo 3:

General view of pressure differential reading at ACME-SSV-02 at 95 Lombardy Street (facing east).



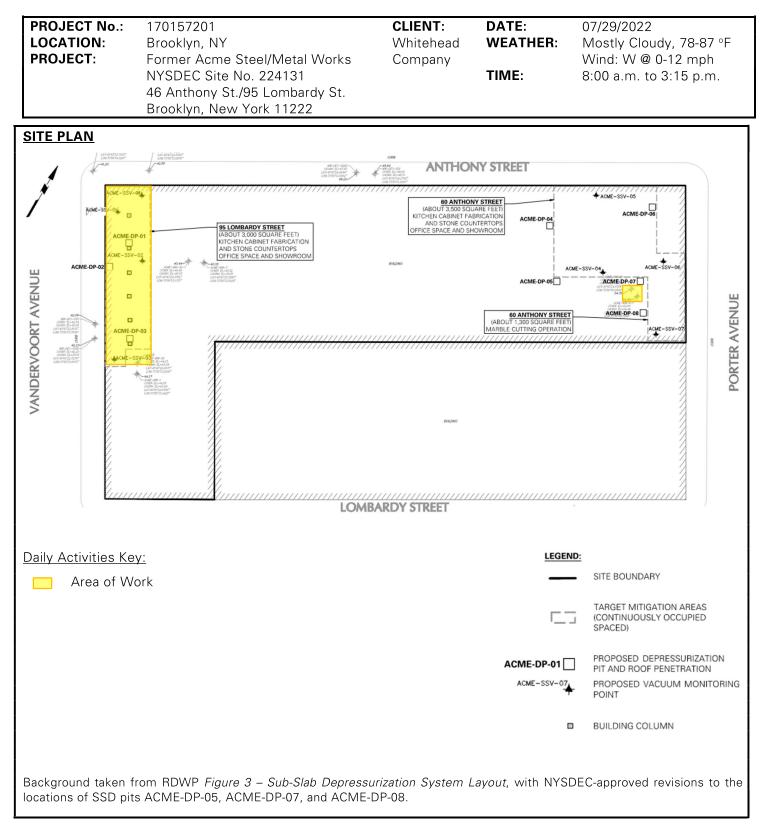
<u>Photo 4:</u>

General view of AWT using caulk to seal the joints near SSD pit ACME-DP-01 at 95 Lombardy (facing north).



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Roswell Lo	
	Leas, and Michael Haggerty		Langan	
\\\angan.com\data\\\YC\data\\170157201\Engineering.Data\Environmenta\\Site 224131 - RD\\/P.Implementation\SORs				





To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Roswell Lo	
	Leas, and Michael Haggerty		Langan	
Wangan c	Nangan com/data/NV/C/data2/170157201/Engineering Data/Environmental/Site 22/121BD///P.Implementation/SORe			



_				
PROJECT No.:	170157201	CLIENT:	DATE:	08/08/2022
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Partly Cloudy, 78-92 °F
PROJECT:	Former Acme Steel/Metal W	'orks Company		Wind: SW @ 0-8 mph
	NYSDEC Site No. 224131		TIME:	7:45 a.m. to 3:00 p.m.
	46 Anthony St./95 Lombardy	St.		
	Brooklyn, New York 11222			
EQUIPMENT:		PRESENT AT SITE	<u>.</u>	
Cirrus Wind Indic	cator Hand Tools	Langan: Audrey Se	ery [7.25 hours d	on site]
TSI Velocicalc 95	65	<u>AWT:</u> Gary Milchar	noski <i>[6.5 hours d</i>	on site]

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to observe the implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Design Work Plan (RDWP), dated January 14, 2022.

Site Activities

- Langan performed smoke testing of the sub-slab depressurization (SSD) pits, risers, and building slab at 60 Anthony Street. Joints in the concrete slab above ACME-DP-04 through ACME-DP-08 were sealed. Smoke testing was completed with no apparent infiltration after sealing the identified joints.
- Langan used an air velocity meter to conduct communication testing by measuring differential pressure at the sub-slab soil vapor points within the SSD target mitigation area (ACME-SSV-04 through ACME-SSV-07), and at the riser sample ports (ACME-DP-04 through ACME-DP-08).
 - 0 Differential pressure measurements indicated that the floor slab throughout the entire SSD target mitigation area is depressurized (i.e., a vacuum was observed at each location).
 - Langan observed a vacuum of -0.016 inches of water column (inH2O) at ACME-SSV-05, which is less than the target vacuum of -0.02 IWC. The differential pressure measurements will be retaken in early September 2022 during post-mitigation indoor air sampling.

Location	Vacuum (inH2O)
ACME-SSV-04	-0.802
ACME-SSV-05	-0.016
ACME-SSV-06	-0.121
ACME-SSV-07	-0.454

Material Tracking

- About 5.5 cubic yards (CY) of concrete is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).
- About 9 CY of soil is stored within the 20-CY lined and covered roll-off container located at NYSDEC Site No. 224132 (498 Porter Avenue).

Community Air Monitoring Plan (CAMP) Activities

The CAMP was not implemented due to lack of soil-intrusive activities.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Audrey Seery	
	Leas, and Michael Haggerty		Langan	
Wilson manage				



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St.	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	08/08/2022 Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph 7:45 a.m. to 3:00 p.m.
	Brooklyn, New York 11222			

SITE PHOTOGRAPHS:

<u>Photo 1:</u>

General view of riser pipe at ACME-DP-05 (facing north).



Photo 2:

General view of SSD system components on the roof at 60 Anthony Street (facing west).



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Audrey Seery
	Leas, and Michael Haggerty		Langan
Wangan com/data/NVC/data2/170157201/Engineering Data/Environmental/Site 22/131 - BD/WP Implementation/SORs			



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Ste NYSDEC Site No. 46 Anthony St./95 Brooklyn, New Yo	224131 Lombardy St.	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	08/08/2022 Partly Cloudy, 78-92 °F Wind: SW @ 0-8 mph 7:45 a.m. to 3:00 p.m.
<u>Photo 3:</u> General view of v at ACME-SSV-06	•			Article Per- Manuella	

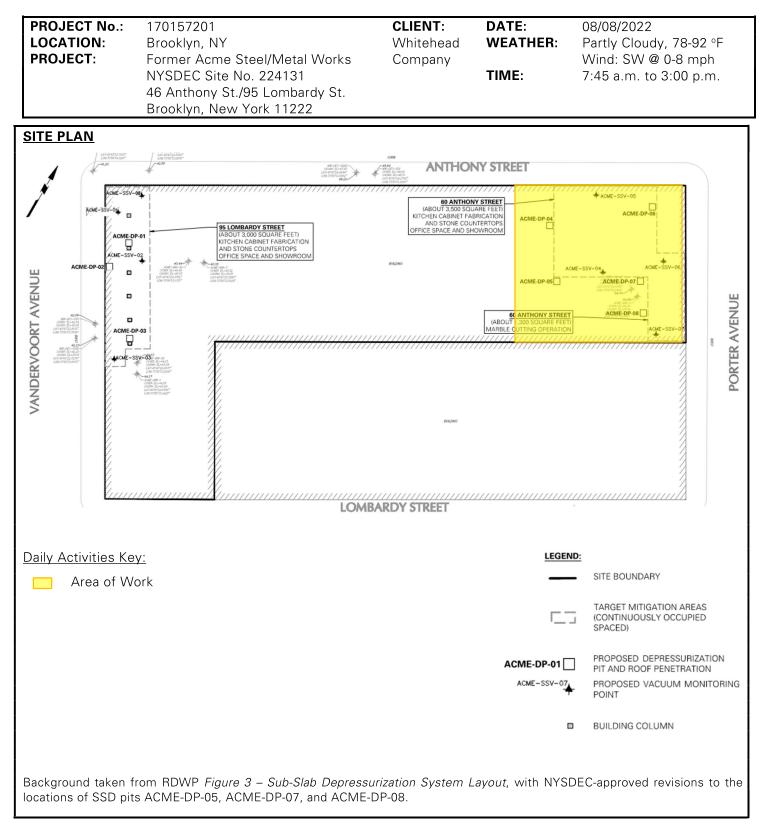
<u>Photo 4:</u>

General view of AWT using caulk to seal concrete joints near SSD pit ACME-DP-04.



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Audrey Seery
	Leas, and Michael Haggerty		Langan
Wangan com/data/NVC/data/170157201/Engineering Data/Environmental/Site 22/121RDW/P Implementation/SORs			





To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Audrey Seery	
	Leas, and Michael Haggerty		Langan	
Wangan c	Wangan com/data/NVC/data2/170157201/Engineering Data/Environmental/Site 22/131RDW/R_Implementation/SORe			



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Wor NYSDEC Site No. 224131 46 Anthony St./95 Lombardy S Brooklyn, New York 11222	, ,	DATE: WEATHER: TIME:	12/1/2022 Sunny, 35 °F Wind: E @ 7-11 mph 8:00 a.m. to 3:00 p.m.	
EQUIPMENT: Handheld screen Hand Tools	ırs on site]				
OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:					
Langan was on s	ite to perform the annual monito	oring inspection of the	sub-slab depress	surization (SSD) systems.	
Site Activities					
 Langan used an air velocity/differential pressure meter and permanent system gauges to collect parameters from the vacuum monitoring points and depressurization pit risers of the SSD systems. System parameters are presented in the tables below. 					
	Location	Vacuum (IWC)	Flow (CFM)		

Location	Vacuum (IWC)	Flow (CFM)				
Vacuum Monitoring Points						
ACME-SSV-01R	-0.025					
ACME-SSV-02R	-0.342					
ACME-SSV-03R	-0.123					
ACME-SSV-04	-0.199	N/A				
ACME-SSV-05	-0.017					
ACME-SSV-06	-0.09					
ACME-SSV-07	-0.115					
Depressurization Pit Ri	Depressurization Pit Risers					
ACME-DP-01	-6	17.99				
ACME-DP-02	-5.1	170.55				
ACME-DP-03	-6	30.02				
ACME-DP-04	-3.2	83.79				
ACME-DP-05	-4	58.64				
ACME-DP-06	-4.1	30.41				
ACME-DP-07	-4	39.29				
ACME-DP-08	-4.1	33.8				

cfm = cubic feet per minute; IWC = inches of water column; N/A = Not Applicable

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Liz McConnell
	Leas, and Michael Haggerty		Langan

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Page	2	of	4
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PROJECT No.:	170157201	CLIENT:	DATE:	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 35 °F
PROJECT:	Former Acme Steel/Metal Works	Company		Wind: E @ 7-11 mph
	NYSDEC Site No. 224131		TIME:	8:00 a.m. to 3:00 p.m.
	46 Anthony St./95 Lombardy St.			
	Brooklyn, New York 11222			

Material Tracking:

• No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

• The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

• No samples were collected.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Liz McConnell	
	Leas, and Michael Haggerty		Langan	
\langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs				



PROJECT No.:	170157201	CLIENT:	DATE:	12/1/2022
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 35 °F
PROJECT:	Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	Company	TIME:	Wind: E @ 7-11 mph 8:00 a.m. to 3:00 p.m.

SITE PHOTOGRAPHS:

<u> Photo 1:</u>

View of the ACME-DP-06 depressurization pit riser and SSD system alarm at 60 Anthony Street (facing north).



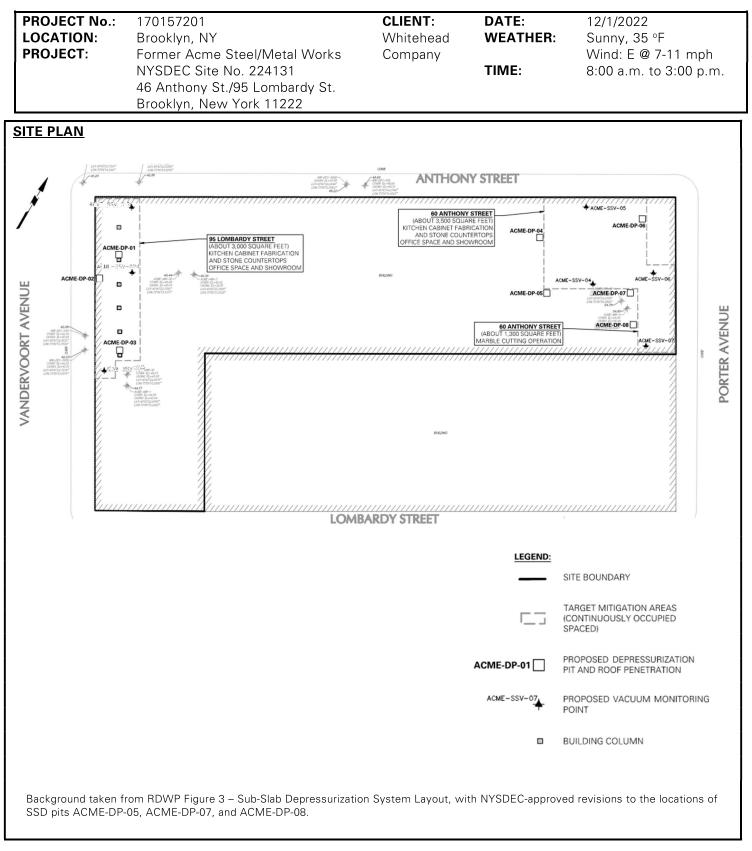
<u> Photo 2:</u>

View of pressure differential reading at ACME-SSV-03R at 95 Lombardy Street.



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Liz McConnell			
	Leas, and Michael Haggerty		Langan			
Wangan.c	Nangan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs					

LANGAN



To:	Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty	By:	Liz McConnell Langan			
Nangan.c	angan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs					



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	11/21/2023 Sunny, 36 -50 °F Wind: E @ 0-5 mph 1:00 p.m. to 3:00 p.m.
EQUIPMENT:		PRESENT A	<mark>T SITE:</mark>	nours on site]
Handheld screening instruments		Langan: Seve	ena Simpson <i>[2 h</i>	

Hand Tools

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to perform the annual monitoring inspection of the sub-slab depressurization (SSD) systems.

Site Activities

- Langan completed a visual inspection of the SSD system components and site cover.
- Langan used an air velocity/differential pressure meter and permanent system gauges to collect • parameters from the vacuum monitoring points and depressurization pit risers of the SSD systems. System parameters are presented in the tables below.

Location	Vacuum (IWC)	Flow (CFM)					
Vacuum Monitoring Points							
ACME-SSV-01R	0.002						
ACME-SSV-02R	-0.010						
ACME-SSV-03R	-0.011						
ACME-SSV-04	-0.216	N/A					
ACME-SSV-05	0.000						
ACME-SSV-06	-0.079						
ACME-SSV-07	-0.282						
Depressurization Pit Ris							
ACME-DP-01	0	1					
ACME-DP-02	0	0					
ACME-DP-03	0	0.89					
ACME-DP-04	-3.5	31.06					
ACME-DP-05	-3.5	82.77					
ACME-DP-06	-4	31.61					
ACME-DP-07	-4	39.3					
ACME-DP-08	-4.5	31.36					

cfm = cubic feet per minute; IWC = inches of water column; N/A = Not Applicable

Jack Teich, Marc Teich, Michael Teich, Christine Leas, and Michael Haggerty

By: Seyena Simpson

Langan

\\langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs



PROJECT No.:	170157201	CLIENT:	DATE:	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 36 -50 °F
PROJECT:	Former Acme Steel/Metal Works	Company		Wind: E @ 0-5 mph
	NYSDEC Site No. 224131		TIME:	1:00 p.m. to 3:00 p.m.
	46 Anthony St./95 Lombardy St.			
	Brooklyn, New York 11222			

Material Tracking:

• No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

• The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

• No samples were collected.

Anticipated Activities

• A service technician will advise on needed maintenance for the 95 Lombardy Street fan. Langan will notify the NYSDEC of necessary steps forward.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Seyena Simpson		
	Leas, and Michael Haggerty		Langan		
Wangan.co	langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs				



PROJECT No.:	170157201	CLIENT:	DATE:	11/21/2023
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 36 -50 °F
PROJECT:	Former Acme Steel/Metal Works	Company	TIME:	Wind: E @ 0-5 mph
	NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222		THVIL.	1:00 p.m. to 3:00 p.m.

SITE PHOTOGRAPHS:

<u> Photo 1:</u>

View of the ACME-DP-07 depressurization pit riser at 60 Anthony Street (facing northeast).



Photo 2:

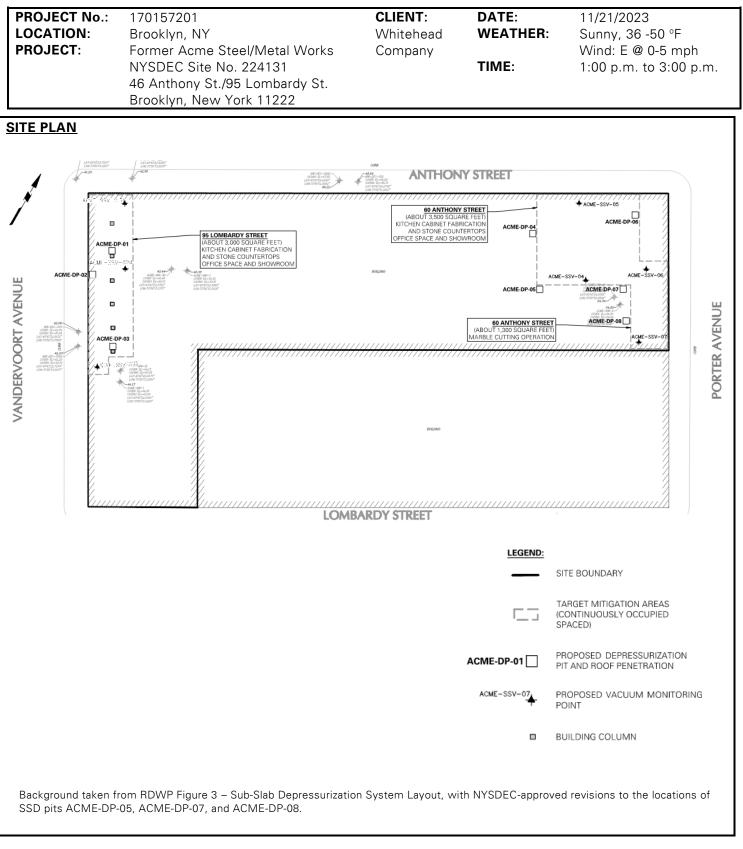
View of site cover at 95 Lombardy Street (facing south)



Т	o:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Seyena Simpson			
		Leas, and Michael Haggerty		Langan			
\\lar	\\angan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs						

LANGAN

SITE OBSERVATION REPORT



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Seyena Simpson			
	Leas, and Michael Haggerty		Langan			
Wangan.c	langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - Annual SSD System Inspections\SORs					



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	02/05/2024 Sunny, 38-44°F Wind: S @ 15-22 mph 1:45 a.m. to 5:45 p.m.
EQUIPMENT: Hand Tools		PRESENT A	T SITE: ia Miller <i>14 hours</i>	on sitel

Hand Tools TSI Velocicalc 9565 <u>Langan</u>: Olivia Miller [4 hours on site] <u>AWT</u>: Edward Sinnet [4.25 hours on site]

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to complete post-mitigation effluent vapor sampling and conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

Site Activities

- AWT completed the following maintenance activities for the SSD system blower at 95 Lombardy Street:
 - Replaced internal blower parts
 - Installed a sample port on the discharge stack
 - o Installed a condensate bypass fitting
- AWT installed a condensate bypass fitting on the SSD system blower at 60 Anthony Street.
- Langan collected pressure differential readings from vacuum monitoring points and confirmed the slab within the 60 Anthony Street and 95 Lombardy Street target mitigation areas was depressurized.
- Langan collected effluent vapor samples from the SSD discharge stacks at 60 Anthony Street and 95 Lombardy Street.

Material Tracking:

• No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

• The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

• Langan collected two SSD system effluent vapor samples from SSD system blower discharge stacks one sample at 60 Anthony Street (SSD_60A_020524) and one sample at 95 Lombardy Street (SSD_95L_020524). The samples were relinquished to York Analytical Laboratories for volatile organic compound (VOC) analysis via United States Environmental Protection Agency Method TO-15.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Olivia Miller
	Leas, and Michael Haggerty		Langan
Nersen com/data/NV/C/data/2/1701E7201/Environmenta/Site 204121 SED System OM/M Implementation			

\\langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - SSD System OM&M Implementation



PROJECT No.:170157201CLIEILOCATION:Brooklyn, NYWhitePROJECT:Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222Comp	head WEATHER : Sunny, 38-44°F
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SITE PHOTOGRAPHS:

<u>Photo 1:</u>

View of the sample port on the SSD discharge stack at 95 Lombardy Street (facing northwest).



<u>Photo 2:</u>

View of pressure differential reading collection at SSV-02R at 95 Lombardy Street.

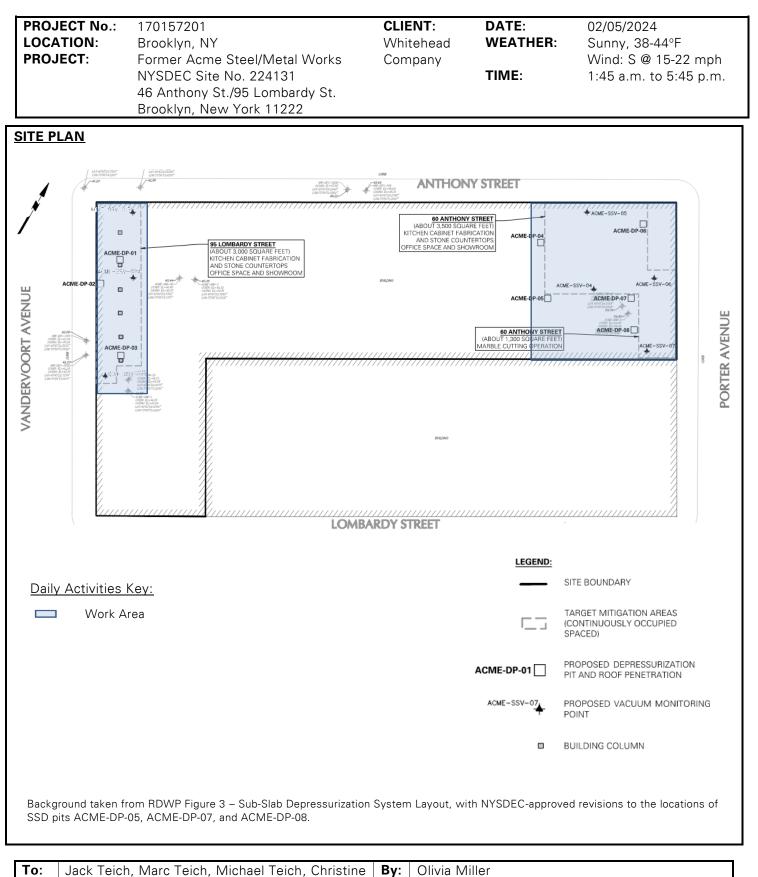


To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Olivia Miller
	Leas, and Michael Haggerty		Langan

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SITE OBSERVATION REPORT



Leas, and Michael Haggerty
 Langan

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PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	02/09/2024 Sunny, 41-49°F Wind: S @ 10-18 mph 10:30 a.m. to 12:30 p.m.
EQUIPMENT: Hand Tools		<u>PRESENT A</u> Langan: Lisa		eyena Simpson [2 hours on

Hand Tools

TSI Velocicalc 9565

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on site to conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

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Site Activities

- Langan reinstalled vacuum monitoring point (VMP) ACME-SSV-03R with a new sleeve.
- The 95 Lombardy Street SSD system blower was repaired on February 5, 2024. Langan collected confirmatory differential pressure readings and confirmed that the slab within the 95 Lombardy Street target mitigation area is depressurized.

Material Tracking:

• No material was imported to or exported from the site.

Community Air Monitoring Plan (CAMP) Activities:

• The CAMP was not implemented due to lack of soil-intrusive activities.

Sampling Activities:

No samples were collected.

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Lisa Cristiano
	Leas, and Michael Haggerty		Langan



PROJECT No.:	170157201	CLIENT:	DATE:	02/09/2024
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 41-49°F
PROJECT:	Former Acme Steel/Metal Works	Company		Wind: S @ 10-18 mph
	NYSDEC Site No. 224131		TIME:	10:30 a.m. to 12:30
	46 Anthony St./95 Lombardy St.			p.m.
	Brooklyn, New York 11222			

SITE PHOTOGRAPHS:

<u>Photo 1:</u>

View of pressure differential reading collection at SSV-01R at 95 Lombardy Street.



<u>Photo 2:</u>

View of the VMP SSV-03R after the sleeve was reinstalled at 95 Lombardy Street.

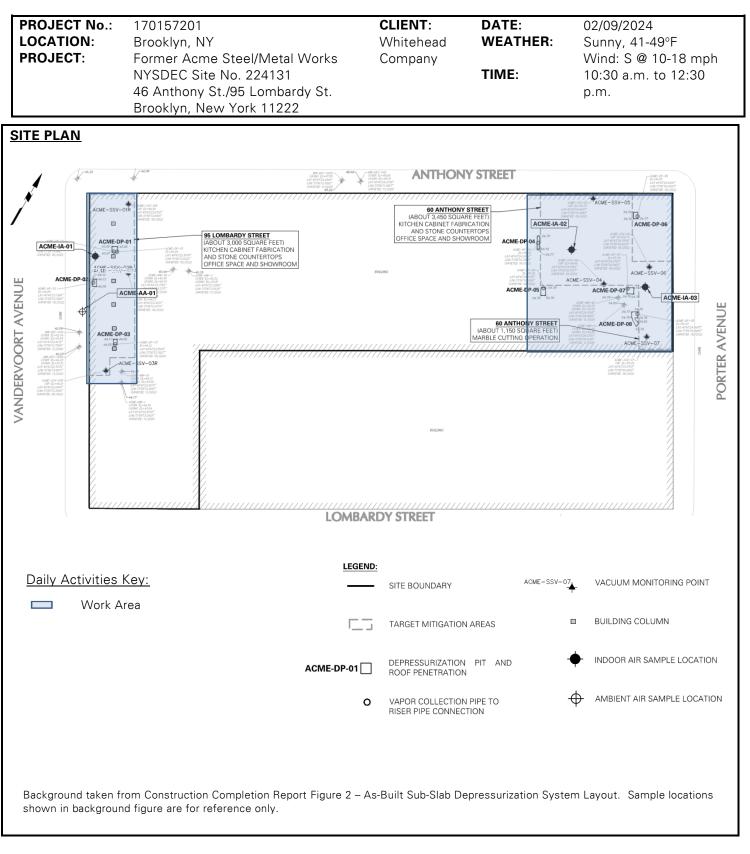


To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Lisa Cristiano
	Leas, and Michael Haggerty		Langan
Warnen ann data/N/VC/data/2/1701E72001/Engine arian Data/Environmenta/NSite 204121 SED System OM/M Implementation			

\\langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - SSD System OM&M Implementation

LANGAN

SITE OBSERVATION REPORT



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Lisa Cristiano
	Leas, and Michael Haggerty		Langan
Vangan.com/data/NYC/data2/170157201/Engineering.Data/Environmental/Site 224131 - SSD.System.QM&M.Implementation			



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, New York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	05/20/2024 Sunny, 57-73°F Wind: N @ 2 - 5 mph 8:45 a.m. to 1:30 p.m.			
EQUIPMENT: PRESENT AT SITE: Hand Tools Langan: Ali Reach [4.75 hours on site]							
	OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.: Langan was on site to conduct non-routine maintenance for the sub-slab depressurization (SSD) systems in						

accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SSD System Operation, Maintenance, and Monitoring (OM&M) Plan, dated November 22, 2023.

Site Activities

- AWT Environmental Services Inc. (AWT) completed the following maintenance activities for the SSD system at 60 Anthony Street on May 17, 2024:
 - o repaired the SSD system blower
 - o adjusted the pitch and replaced the insulation on the roof-mounted SSD system piping
- Langan performed the following post-maintenance activities on May 20, 2024:
 - o inspected the SSD system blower and the roof-mounted SSD system piping, and increased the speed of the blower
 - o used concrete patch to patch surficial cracks in the slab surrounding vapor monitoring point ACME-SSV-05
 - o used an air velocity/differential pressure meter and permanent system gauges to collect parameters from the vacuum monitoring points and depressurization pit risers of the SSD system. Langan confirmed that the slab within the 60 Anthony Street target mitigation area is depressurized. System parameters are presented in the tables below:

Location	Vacuum (IWC)	Flow (CFM)					
Vacuum Monitoring Points							
ACME-SSV-04	-0.672						
ACME-SSV-05	-0.016	N/A					
ACME-SSV-06	-0.125	1 1 1 1					
ACME-SSV-07	-0.347						
Depressurization Pit Risers							
ACME-DP-04	-3.5	83.95					
ACME-DP-05	-3.5	74.3					
ACME-DP-06	-4	37.52					
ACME-DP-07	-4	41.90					
ACME-DP-08	-3.5	56.43					

To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Ali Reach
	Leas, and Michael Haggerty		Langan
Wangan com/data/NVC/data2/170157201/Engineering Data/Environmental/Site 224131 - SSD System OM&M Implementation			

ta2\170157201\Engineering Data\Environmental\Site 224131 - SSD System OM&M Implementation



PROJECT No.: LOCATION: PROJECT:	170157201 Brooklyn, NY Former Acme Steel/Metal Works NYSDEC Site No. 224131 46 Anthony St./95 Lombardy St. Brooklyn, Now York 11222	CLIENT: Whitehead Company	DATE: WEATHER: TIME:	05/20/2024 Sunny, 57-73°F Wind: N @ 2 - 5 mph 8:45 a.m. to 1:30 p.m.
	Brooklyn, New York 11222			

SITE PHOTOGRAPHS:

<u>Photo 1:</u>

View of the 60 Anthony Street SSD system blower and roofmounted SSD system piping (facing southeast).

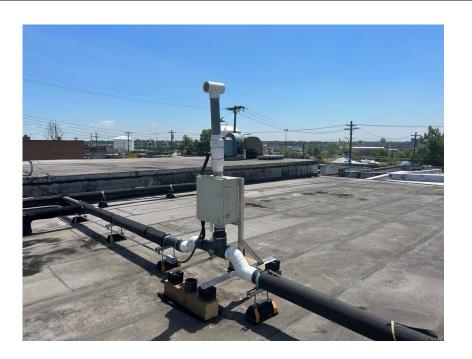


Photo 2:

View of Langan collecting a confirmatory differential pressure reading at vapor monitoring point ACME-SSV-05 at 60 Anthony Street (facing west).



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Ali Reach
	Leas, and Michael Haggerty		Langan
Vangan com/data/NVC/data2/170157201/Engineering Data/Environmental/Site 22/131 - SSD System OM&M Implementation			

\\langan.com\data\NYC\data2\170157201\Engineering Data\Environmental\Site 224131 - SSD System OM&M Implementation



PROJECT No.:	170157201	CLIENT:	DATE:	05/20/2024
LOCATION:	Brooklyn, NY	Whitehead	WEATHER:	Sunny, 57-73°F
PROJECT:	Former Acme Steel/Metal Works	Company		Wind: N @ 2 - 5 mph
	NYSDEC Site No. 224131		TIME:	8:45 a.m. to 1:30 p.m.
	46 Anthony St./95 Lombardy St.			
	Brooklyn, New York 11222			

SITE PHOTOGRAPHS:

<u>Photo 3:</u>

View of the final condition of the slab surrounding vapor monitoring point ACME-SSV-05 at 60 Anthony Street (facing northwest).

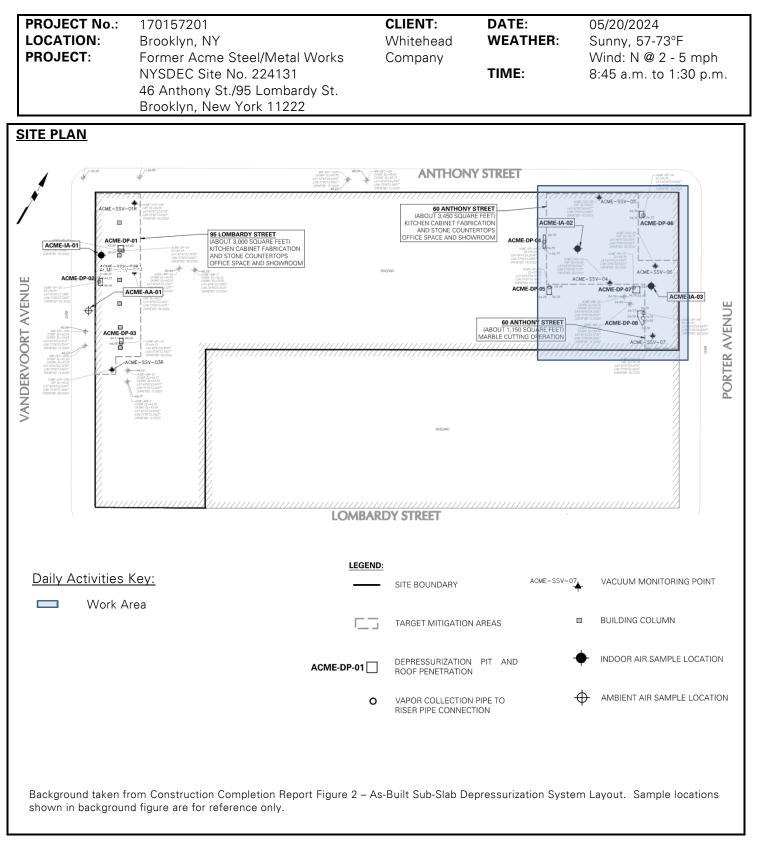


To:	Jack Teich, Marc Teich, Michael Teich, Christine		Ali Reach				
	Leas, and Michael Haggerty		Langan				
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LANGAN

SITE OBSERVATION REPORT



To:	Jack Teich, Marc Teich, Michael Teich, Christine	By:	Ali Reach						
	Leas, and Michael Haggerty		Langan						
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ATTACHMENT C LABORATORY REPORT

LANGAN



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street New York NY, 10001 Attention: Kim Nagotko

Report Date: 02/14/2024 Client Project ID: 170157201 York Project (SDG) No.: 24B0240

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE www.YORKLAB.com

STRATFORD, CT 06615 (203) 325-1371

132-02 89th AVENUE FAX (203) 357-0166

RICHMOND HILL, NY 11418 ClientServices@yorklab.com

Report Date: 02/14/2024 Client Project ID: 170157201 York Project (SDG) No.: 24B0240

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street New York NY, 10001 Attention: Kim Nagotko

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 05, 2024 and listed below. The project was identified as your project: **170157201**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	<u>Client Sample ID</u>	<u>Matrix</u>	Date Collected	Date Received
24B0240-01	SSD_60A_020524	Vapor Extraction	02/05/2024	02/05/2024
24B0240-02	SSD_95L_020524	Vapor Extraction	02/05/2024	02/05/2024

General Notes for York Project (SDG) No.: 24B0240

- 1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
- 2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
- 3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
- 4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.

5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.

- 6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
- 7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
- 8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By John L Mosh

Date: 02/14/2024

Cassie L. Mosher Laboratory Manager





Client Sample ID: SSD_60A_020524

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Volatile Organics, EPA TO15 Full List Sample Notes: TO-VAC Log-in Notes: Sample Prepared by Method: EPA TO15 PREP Date/Time Date/Time Reported to CAS No. Result Flag **Reference Method** Analyzed Parameter Units Dilution Prepared Analyst LOQ 630-20-6 1.0 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH * 1,1,1,2-Tetrachloroethane ND ug/m³ Certifications: 71-55-6 1,1,1-Trichloroethane EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH 1.5 ug/m³ 0.82 1.508 Certifications: NELAC-NY12058,NJDEP-NY037 79-34-5 1,1,2,2-Tetrachloroethane ND ug/m³ 1.0 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH Certifications: NELAC-NY12058,NJDEP-NY037 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane 1.2 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH ND ug/m³ (Freon 113) Certifications: NELAC-NY12058,NJDEP-NY037 79-00-5 1,1,2-Trichloroethane ND ug/m³ 0.82 1 508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH Certifications NELAC-NY12058.NJDEP-NY037 02/13/2024 18:00 02/14/2024 16:01 0.61 1.508 EPA TO-15 75-34-3 1,1-Dichloroethane ND ug/m³ VH NELAC-NY12058,NJDEP-NY037 Certifications: 02/13/2024 18:00 02/14/2024 16:01 75-35-4 1,1-Dichloroethylene 0.15 1.508 EPA TO-15 VH ND ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 120-82-1 1.508 02/13/2024 18:00 02/14/2024 16:01 VH TO-CC ug/m3 1.1 EPA TO-15 1.2.4-Trichlorobenzene ND V Certifications: NELAC-NY12058,NJDEP-NY037 95-63-6 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH 1,2,4-Trimethylbenzene 2.0 ug/m³ 0.74 1.508 Certifications: NELAC-NY12058,NJDEP-NY037 106-93-4 1.2 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH ug/m³ 1.2-Dibromoethane ND Certifications: NELAC-NY12058,NJDEP-NY037 95-50-1 0.91 1 508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH 1,2-Dichlorobenzene ND ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 107-06-2 1,2-Dichloroethane ND ug/m³ 0.61 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH Certifications: NELAC-NY12058,NJDEP-NY037 78-87-5 1,2-Dichloropropane ND ug/m³ 0.70 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH Certifications: NELAC-NY12058,NJDEP-NY037 1.508 EPA TO-15 76-14-2 1.2-Dichlorotetrafluoroethane ND ug/m³ 1.1 02/13/2024 18:00 02/14/2024 16:01 VH Certifications: NELAC-NY12058,NJDEP-NY037 108-67-8 0.74 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH 1,3,5-Trimethylbenzene ug/m³ ND Certifications: NELAC-NY12058,NJDEP-NY037 02/13/2024 18:00 02/14/2024 16:01 106-99-0 1.0 1.508 EPA TO-15 VH 1.3-Butadiene ND ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 02/13/2024 18:00 02/14/2024 16:01 541-73-1 1,3-Dichlorobenzene ND ug/m³ 0.91 1.508 EPA TO-15 VH NELAC-NY12058,NJDEP-NY037 Certifications: 142-28-9 0.70 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH * 1,3-Dichloropropane ND ug/m³ Certifications 106-46-7 1,4-Dichlorobenzene ND 0.91 1.508 EPA TO-15 02/13/2024 18:00 02/14/2024 16:01 VH ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 02/13/2024 18:00 123-91-1 1,4-Dioxane ND ug/m³ 1.1 1 508 EPA TO-15 02/14/2024 16:01 VH NELAC-NY12058,NJDEP-NY037 Certifications: 78-93-3 02/13/2024 18:00 02/14/2024 16:01 VH 1.508 EPA TO-15 2-Butanone 1.7 ug/m³ 0.44 NELAC-NY12058.NJDEP-NY037 Certifications: **120 RESEARCH DRIVE** STRATFORD, CT 06615 132-02 89th AVENUE **RICHMOND HILL, NY 11418** www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166

ClientServices

York Sample ID:

24B0240-01

Page 4 of 19



Client Sample ID: SSD_60A_020524			York Sample ID:	24B0240-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

100-44-7Benzyl chlori100-44-7Benzyl chlori75-27-4Bromodichlor75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane57-66-3Chloroform74-87-3Chlorometha	Parameter e pene pentanone e ide romethane	Result ND ND ND S.9 3.2 3.5 ND ND	Flag Units ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³	Repor LO 1.2 2.4 0.6 0.7 0.3 0.4 0.7 1.0 1.6 0.5	2 Dilutio 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508	n Reference EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY NELAC-NY NELAC-NY NELAC-NY	Date/Time Prepared	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	Analyst VH VH VH VH VH VH VH VH
107-05-1 3-Chloroprop 108-10-1 4-Methyl-2-p 57-64-1 Acetone 107-13-1 Acrylonitrile 107-13-1 Acrylonitrile 100-44-7 Benzene 100-44-7 Bromodichlor 75-27-4 Bromodichlor 75-25-2 Bromoform 74-83-9 Bromomethan 56-23-5 Carbon tetra 108-90-7 Chlorobenzer 75-00-3 Chloroform 57-66-3 Chloroform	eene e ide romethane	ND ND 5.9 3.2 3.5 ND ND ND ND	ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³	2.4 0.6 0.7 0.3 0.4 0.7 1.0 1.6	1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY NELAC-NY NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	VH VH VH VH VH VH
108-10-1 4-Methyl-2-p 57-64-1 Acetone 107-13-1 Acrylonitrile 107-13-1 Benzene 100-44-7 Benzene 100-44-7 Benzyl chlori 75-27-2 Bromodichlor 75-25-2 Bromoform 74-83-9 Bromomethan 56-23-5 Carbon disulf 56-23-5 Carbon tetra 57-66-3 Chlorobenzer 57-66-3 Chloroform 74-87-3 Chlorometha	e ide romethane	ND 5.9 3.2 3.5 ND ND ND ND	ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³	0.6 0.7 0.3 0.4 0.7 1.0 1.6	 1.508 1.508 1.508 1.508 1.508 1.508 1.508 1.508 	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY NELAC-NY NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	VH VH VH VH VH
57-64-1Acetone107-13-1Acrylonitrile71-43-2Benzene100-44-7Benzyl chlori75-27-4Bromodichlor75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chlorotomm57-66-3Chloroform74-87-3Chloromethan	e ide romethane ne	5.9 3.2 3.5 ND ND ND	ug/m ³ ug/m ³ ug/m ³ ug/m ³ ug/m ³	0.7 0.3 0.4 0.7 1.0 1.6	1.508 1.508 1.508 1.508 1.508 1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	VH VH VH VH
107-13-1Acrylonitrile107-13-1Acrylonitrile71-43-2Benzene100-44-7Benzyl chlori75-27-4Bromodichlor75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chlorotethane57-66-3Chloroform74-87-3Chloromethan	ide romethane ne	3.2 3.5 ND ND ND	ug/m ³ ug/m ³ ug/m ³ ug/m ³	0.3 0.4 0.7 1.0 1.6	1.508 1.508 1.508 1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	VH VH VH VH
71-43-2Benzene100-44-7Benzyl chlori75-27-4Bromodichlor75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chlorototmane57-66-3Chloroform74-87-3Chloromethane	ide romethane ne	3.5 ND ND ND	ug/m³ ug/m³ ug/m³ ug/m³	0.4 0.7 1.0	1.508 1.508 1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01 02/14/2024 16:01 02/14/2024 16:01	VH VH VH
100-44-7Benzyl chlori75-27-4Bromodichlori75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane67-66-3Chloroform74-87-3Chloromethan	romethane ne	ND ND ND ND	ug/m ³ ug/m ³ ug/m ³	0.7 1.0 1.6	1.508 1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01	VH VH
75-27-4Bromodichlor75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroothane67-66-3Chloroform74-87-3Chloromethan	romethane ne	ND ND ND	ug/m³ ug/m³ ug/m³	1.0	1.508 1.508	Certifications: EPA TO-15 Certifications: EPA TO-15 Certifications:	NELAC-NY	(12058,NJDEP-NY037 02/13/2024 18:00 (12058,NJDEP-NY037 02/13/2024 18:00	02/14/2024 16:01	VH
75-25-2Bromoform74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane67-66-3Chloroform74-87-3Chloromethane	ne	ND ND	ug/m³	1.6	1.508	Certifications: EPA TO-15 Certifications:		(12058,NJDEP-NY037 02/13/2024 18:00		
74-83-9Bromomethan75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane67-66-3Chloroform74-87-3Chloromethan		ND	ug/m³			Certifications:	NELAC-NY		02/14/2024 16:01	
75-15-0Carbon disulf56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane67-66-3Chloroform74-87-3Chlorometha			-	0.5	1.508	EPA TO-15		/12058,NJDEP-NY037		VH
56-23-5Carbon tetra108-90-7Chlorobenzer75-00-3Chloroethane67-66-3Chloroform74-87-3Chlorometha	fide	ND	ug/m ³			Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 16:01	VH
108-90-7 Chlorobenzer 75-00-3 Chloroethane 67-66-3 Chloroform 74-87-3 Chloromethane				0.4		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037		VH
75-00-3 Chloroethane 67-66-3 Chloroform 74-87-3 Chlorometha	ıchloride	0.47	ug/m³	0.2		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 16:01	VH
67-66-3 Chloroform 74-87-3 Chlorometha		ND	ug/m³	0.6		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
74-87-3 Chlorometha		ND	ug/m³	0.4		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
		ND	ug/m ³	0.7		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037		VH
156-59-2 cis-1,2-Dichle	ine	2.3	ug/m³	0.3		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
		ND	ug/m³	0.1		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
10061-01-5 cis-1,3-Dichle		ND	ug/m³	0.6		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
110-82-7 Cyclohexane		ND	ug/m³	0.5		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037		VH
124-48-1 Dibromochlo		ND	ug/m³	1.3	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037		VH
	uoromethane	3.5	ug/m³	0.7		EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037		VH
141-78-6 * Ethyl acetat	te	ND	ug/m³	1.1	1.508	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 16:01	VH
120 RESEARCH DRIV		STRATFORD, C	T 06615		132-02 89	th AVENUE		RICHMOND HIL	L, NY 11418.	



Client Sample ID:	SSD 60A 020524

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

York Sample ID:

24B0240-01

Volatile Organics, EPA TO15 Full List Sample Prepared by Method: EPA TO15 PREP					<u>Log-in Notes:</u>		<u>Sam</u>				
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analyst
00-41-4	Ethyl Benzene	0.98		ug/m³	0.65	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
7-68-3	Hexachlorobutadiene	ND	TO-CC V, TO-LCS -L	-	1.6	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
7-63-0	Isopropanol	2.0	В	ug/m³	1.9	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
0-62-6	Methyl Methacrylate	ND		ug/m³	0.62	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.54	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
5-09-2	Methylene chloride	ND		ug/m³	1.0	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
42-82-5	n-Heptane	ND		ug/m³	0.62	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
10-54-3	n-Hexane	0.53		ug/m³	0.53	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
5-47-6	o-Xylene	0.92		ug/m³	0.65	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
79601-23-1	p- & m- Xylenes	2.2		ug/m³	1.3	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
22-96-8	* p-Ethyltoluene	ND		ug/m³	0.74	1.508	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 16:01	VH
15-07-1	* Propylene	2.4		ug/m³	0.26	1.508	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 16:01	VH
00-42-5	Styrene	7.6		ug/m³	0.64	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
27-18-4	Tetrachloroethylene	160		ug/m³	1.0	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
09-99-9	* Tetrahydrofuran	ND		ug/m ³	0.89	1.508	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 16:01	VH
08-88-3	Toluene	3.9		ug/m³	0.57	1.508	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 16:01	VH
56-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.60	1.508	EPA TO-15 Certifications:	NELAC-NY	12058,NJDEP-NY037	02/14/2024 16:01	VH
0061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.68	1.508	EPA TO-15 Certifications: EPA TO-15	NELAC-NY	12058,NJDEP-NY037	02/14/2024 16:01	VH
9-01-6 5-69-4	Trichloroethylene	2.6		ug/m ³	0.20	1.508	EPA TO-15 Certifications: EPA TO-15	NELAC-NY	12058,NJDEP-NY037	02/14/2024 16:01 02/14/2024 16:01	VH VH
	Trichlorofluoromethane (Freon 11) Vinyl acetate	1.5 ND		ug/m ³	0.85	1.508	Certifications: EPA TO-15	NELAC-NY	12058,NJDEP-NY037	02/14/2024 16:01	VH
08-05-4	vinyi acetate	ND		ug/m³	0.55	1.508	Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 10:01	vн
120 RESI	EARCH DRIVE	STRATFORD, C	CT 06615		132	2-02 89th	AVENUE		RICHMOND HIL	L, NY 11418	



<u>Client Sample ID:</u> SSD_60A_020524			York Sample ID:	24B0240-01
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:42 pm	02/05/2024

Log-in Notes:

Sample Notes: TO-VAC

Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

Sumple Trepare	a by method. Efft 1015 TREF								
CAS N	o. Paramete	r Result Fla	ag Units	Reported to LOQ	Dilution	Reference Me	Date/Time thod Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND	ug/m³	0.66	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
						Certifications: NE	LAC-NY12058,NJDEP-NY03	7	
75-01-4	Vinyl Chloride	ND	ug/m³	0.19	1.508	EPA TO-15	02/13/2024 18:00	02/14/2024 16:01	VH
						Certifications: NE	LAC-NY12058,NJDEP-NY03	7	

ClientServices



Client Sample ID: SSD_95L_020524			York Sample ID:	24B0240-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile Organics, EPA TO15 Full List Log-in Notes: Sample Notes: Sample Prepared by Method: EPA TO15 PREP Date/Time Date/Time Reported to LOQ CAS No. Parameter Result Flag Units Dilution **Reference Method** Prepared Analyzed Analyst EPA TO-15 630-20-6 * 1,1,1,2-Tetrachloroethane ND ug/m³ 1.2 1.705 02/13/2024 18:00 02/14/2024 17:03 VH Certifications EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 71-55-6 1.1.1-Trichloroethane 6.2 ug/m³ 0.93 1.705 VH Certifications NELAC-NY12058 NIDEP-NY037 79-34-5 1,1,2,2-Tetrachloroethane ND ug/m³ 1.2 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH Certifications: NELAC-NY12058,NJDEP-NY037 1,1,2-Trichloro-1,2,2-trifluoroethane 1.705 EPA TO-15 VH 76-13-1 1.3 02/13/2024 18:00 02/14/2024 17:03 ND ug/m³ (Freon 113) NELAC-NY12058,NJDEP-NY037 Certifications: 0.93 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 79-00-5 1.1.2-Trichloroethane ND ug/m³ VH Certifications: NELAC-NY12058,NJDEP-NY037 EPA TO-15 75-34-3 1.1-Dichloroethane ND 0.69 1.705 02/13/2024 18:00 02/14/2024 17:03 VH ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 02/13/2024 18:00 02/14/2024 17:03 75-35-4 1,1-Dichloroethylene 0.17 1.705 EPA TO-15 VH ND ug/m3 Certifications NELAC-NY12058,NJDEP-NY037 120-82-1 1.3 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH 1,2,4-Trichlorobenzene ND TO-CC ug/m3 v NELAC-NY12058,NJDEP-NY037 Certifications 95-63-6 1,2,4-Trimethylbenzene ND ug/m³ 0.84 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH Certifications: NELAC-NY12058,NJDEP-NY037 106-93-4 1,2-Dibromoethane ND 13 1 705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH ug/m³ Certifications NELAC-NY12058 NIDEP-NY037 1.705 EPA TO-15 1.0 02/13/2024 18:00 02/14/2024 17:03 95-50-1 1,2-Dichlorobenzene ND ug/m³ VH NELAC-NY12058,NJDEP-NY037 Certifications: 02/13/2024 18:00 107-06-2 02/14/2024 17:03 1.2-Dichloroethane ND ug/m³ 0.69 1.705 EPA TO-15 VH NELAC-NY12058,NJDEP-NY037 Certifications: 78-87-5 ND 0.79 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH 1.2-Dichloropropane ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 76-14-2 1,2-Dichlorotetrafluoroethane ND ug/m³ 1.2 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH NELAC-NY12058,NJDEP-NY037 Certifications: 0.84 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 108-67-8 1,3,5-Trimethylbenzene ND VH ug/m3 Certifications NELAC-NY12058,NJDEP-NY037 106-99-0 1.1 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH 1,3-Butadiene ND ug/m³ Certifications NELAC-NY12058,NJDEP-NY037 02/13/2024 18:00 541-73-1 1,3-Dichlorobenzene ND ug/m³ 1.0 1.705 EPA TO-15 02/14/2024 17:03 VH Certifications: NELAC-NY12058,NJDEP-NY037 EPA TO-15 142-28-9 * 1,3-Dichloropropane ND ug/m³ 0.79 1.705 02/13/2024 18:00 02/14/2024 17:03 VH Certifications 02/13/2024 18:00 02/14/2024 17:03 VH 106-46-7 1 4-Dichlorobenzene 1.0 1.705 EPA TO-15 ND ug/m³ Certifications: NELAC-NY12058,NJDEP-NY037 1.2 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 123-91-1 1.4-Dioxane ND ug/m³ VH NELAC-NY12058,NJDEP-NY037 Certifications: 78-93-3 2-Butanone 2.2 ug/m³ 0.50 1.705 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH Certifications: NELAC-NY12058.NJDEP-NY037 591-78-6 EPA TO-15 02/13/2024 18:00 02/14/2024 17:03 VH * 2-Hexanone ND ug/m³ 1.4 1.705 Certifications **120 RESEARCH DRIVE** STRATFORD, CT 06615 132-02 89th AVENUE **RICHMOND HILL, NY 11418** www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices Page 8 of 19



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York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

York Sample ID:

24B0240-02

	ganics, EPA TO15 Full Lis by Method: EPA TO15 PREP	<u>st</u>			<u>Log-in Notes:</u>	<u>Sam</u>					
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analys
07-05-1	3-Chloropropene	ND	1	ug/m³	2.7	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 712058,NJDEP-NY037	02/14/2024 17:03	VH
08-10-1	4-Methyl-2-pentanone	ND	1	ug/m³	0.70	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
-64-1	Acetone	17	1	ug/m³	0.81	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
7-13-1	Acrylonitrile	0.48	1	ug/m³	0.37	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
-43-2	Benzene	0.76	1	ug/m³	0.54	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
0-44-7	Benzyl chloride	ND	1	ug/m³	0.88	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
-27-4	Bromodichloromethane	ND	1	ug/m³	1.1	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
i-25-2	Bromoform	ND	1	ug/m³	1.8	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
-83-9	Bromomethane	ND	1	ug/m³	0.66	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
-15-0	Carbon disulfide	ND	1	ug/m³	0.53	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
-23-5	Carbon tetrachloride	0.43	1	ug/m³	0.27	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
8-90-7	Chlorobenzene	ND	1	ug/m³	0.78	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
-00-3	Chloroethane	ND	1	ug/m³	0.45	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
-66-3	Chloroform	1.8	1	ug/m³	0.83	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
-87-3	Chloromethane	1.9	1	ug/m³	0.35	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
6-59-2	cis-1,2-Dichloroethylene	1.6	1	ug/m³	0.17	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
061-01-5	cis-1,3-Dichloropropylene	ND	1	ug/m³	0.77	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
0-82-7	Cyclohexane	ND	1	ug/m³	0.59	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
4-48-1	Dibromochloromethane	ND	1	ug/m³	1.5	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
-71-8	Dichlorodifluoromethane	3.8	1	ug/m³	0.84	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
1-78-6	* Ethyl acetate	ND	1	ug/m³	1.2	1.705	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 17:03	VH
00-41-4	Ethyl Benzene	0.89	1	ug/m³	0.74	1.705	EPA TO-15 Certifications:	NELAC-N	02/13/2024 18:00 (12058,NJDEP-NY037	02/14/2024 17:03	VH
120 RES	EARCH DRIVE	STRATFORD, (CT 06615		132	2-02 89th	AVENUE		RICHMOND HIL	L, NY 11418	



Client Sample ID:	SSD 95L	020524

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

York Sample ID:

24B0240-02

	ganics, EPA TO15 Full List by Method: EPA TO15 PREP				<u>Log-in Notes:</u>	<u>Sam</u>					
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference	Method	Date/Time Prepared	Date/Time Analyzed	Analys
-68-3	Hexachlorobutadiene	ND	TO-CC V, TO-LCS -L	-	1.8	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
7-63-0	Isopropanol	ND		ug/m³	2.1	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
)-62-6	Methyl Methacrylate	ND		ug/m³	0.70	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
534-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
-09-2	Methylene chloride	ND		ug/m³	1.2	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
42-82-5	n-Heptane	ND		ug/m³	0.70	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
0-54-3	n-Hexane	ND		ug/m³	0.60	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037		VH
5-47-6	o-Xylene	1.4		ug/m ³	0.74	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 (12058,NJDEP-NY037		VH
9601-23-1	p- & m- Xylenes	3.6		ug/m³	1.5	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
2-96-8	* p-Ethyltoluene	ND		ug/m³	0.84	1.705	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 17:03	VH
5-07-1	* Propylene	ND		ug/m³	0.29	1.705	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 17:03	VH
0-42-5	Styrene	1.2		ug/m³	0.73	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
7-18-4	Tetrachloroethylene	400		ug/m³	1.2	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
9-99-9	* Tetrahydrofuran	1.3		ug/m³	1.0	1.705	EPA TO-15 Certifications:		02/13/2024 18:00	02/14/2024 17:03	VH
18-88-3	Toluene	3.3		ug/m³	0.64	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
56-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
0061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.77	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
0-01-6	Trichloroethylene	290		ug/m³	0.23	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
-69-4	Trichlorofluoromethane (Freon 11)	1.5		ug/m³	0.96	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
08-05-4	Vinyl acetate	ND		ug/m³	0.60	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 /12058,NJDEP-NY037	02/14/2024 17:03	VH
93-60-2	Vinyl bromide	ND		ug/m³	0.75	1.705	EPA TO-15 Certifications:	NELAC-NY	02/13/2024 18:00 12058,NJDEP-NY037	02/14/2024 17:03	VH
120 RES	EARCH DRIVE	STRATFORD,	CT 06615		■ 132	2-02 89th			RICHMOND HIL	I NY 11418	



<u>Client Sample ID:</u> SSD_95L_020524			York Sample ID:	24B0240-02
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24B0240	170157201	Vapor Extraction	February 5, 2024 3:55 pm	02/05/2024

Volatile O	rganics, EPA TO15 Full List				Log-in Notes:		<u>Sample</u>	Notes:		
Sample Prepare	d by Method: EPA TO15 PREP									
CAS No	. Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Me	thod Date/Time	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.705	EPA TO-15 Certifications: NE	02/13/2024 18:00 LAC-NY12058.NJDEP-NY(02/14/2024 17:03	VH





Analytical Batch Summary

Batch ID: BB40871	Preparation Method:	EPA TO15 PREP	Prepared By:	VH
YORK Sample ID	Client Sample ID	Preparation Date		
24B0240-01	SSD_60A_020524	02/13/24		
24B0240-02	SSD_95L_020524	02/13/24		
BB40871-BLK1	Blank	02/13/24		
BB40871-BS1	LCS	02/13/24		



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Active HB40871 - LPA TOUS PRE/F Intel (B440971 BLK) Dim 0.69 ug/m ² 11.3-Tenschwenstume ND 0.69 " 11.3-Tenschwenstume ND 0.69 " 12.3-Tenschwenstume ND 0.69 " 12.3-Tenschwenstume ND 0.69 " 12.3-Tenschwenstume ND 0.69 " 13-Tenschwenstume ND 0.69 " 13-Tenschwenstume ND 0.69 " 13-Tenschwenstume ND 0.69 " 13-Tenschwenstume ND 0.60 " 2-Atfinierdysburzens ND 6.60 " 2-Dichoworthane ND 6.60 "	Back BB40871 - EPA TOIS PREP Bank BB40871 - EPA TOIS PREP Bank BB40871 - EPA TOIS PREP Bank BB40871 - EPA TOIS PREP L1.12 - Encolorochane ND 0.69 organ L1.12 - Encolorochane ND 0.69 * L2.2 - Encolorochane ND 0.69 * L2.2 - Encolorochane ND 0.40 * L2.3 - Encolorochane ND 0.40 * L2.4 - Ficial/socretane ND 0.40 * L2.4 - Ficial/socretane ND 0.40 * L2.4 - Ficial/socretane ND 0.47 * L2.4 - Ficial/socretane ND 0.40 * L2.5 - Dichococcane ND 0.40 * L2.5 - Dichococcane ND 0.46 * L2.5 - Dichococcane ND 0.46 * L2.5 - Dichococcane ND 0.60 * L3.5 - Dichococcane ND 0.60 * L3.5 - Dichococcane ND 0.60 *	RPD RPD Limit Fla	Flag	%REC Limits	%REC	Source* Result	Spike Level	Units	Reporting Limit	Result	Analyte
International and a second s	Intra (BBH9971-BL) Dink Open description 11.2-Trenkolosokane ND 0.05 s'' 1.2-Trenkolosokane ND 0.06 s'' 1.2-Trenkolosokane ND 0.07 s'' 1.2-Trenkolosokane ND 0.07 s'' 1.2-Trenkolosokane ND 0.04 s'' 1.2-Trenkolosokane ND 0.04 s'' 1.2-Trenkolosokane ND 0.04 s'' 1.2-Trenkolosokane ND 0.04 s'' 2.4-Trenkolosokane ND 0.04 s'' 2.4-Trenkolosokane ND 0.04 s'' 2.0-Kokonstane ND 0.02 s'' 2.0-Kokonstane ND 0.02 s'' 2.0-Kokonstane ND		B	Linits	JINLE	ncoun	Level	CIIIG	Emnt	ixesuit	
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12.3-Tendenoral-Journelina (Free II.3) N 0.6 13.7-Takinoral-Journelina (Free II.3) N 0.65 13.7-Takinoral-Journelina (Free II.3) N 0.65 13.7-Takinoral-Journelina (Free II.3) N 0.63 13.7-Takinoral-Journelina (Free II.3) N 0.63 2.7-Takinoral-Journelina (Free II.3) N 0.64 2.7-Takinoral-Journelina (Free II.3) N <td< td=""><td>1.2.2.Trichloroschane (Freen 11)ND0.6901.2.5.Trichloroschane (Freen 11)ND0.7701.2.5.TrichloroschaneND0.00902.4.5.TrichloroschaneND0.00902.4.TrinkloroschaneND0.0902.4.TrinkloroschaneND0.0902.4.TrinkloroschaneND0.0902.5.TrinkloroschaneND0.0902.5.DickloroschaneND0.04002.5.DickloroschaneND0.46002.5.DickloroschaneND0.46003.5.TrinkloroschaneND0.66003.5.TrinkloroschaneND0.66003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60004.4.DickaneND0.62004.5.DickaneND0.62004.5.DickaneND0.5204.5.DickaneND0.5204.5.DickaneND0.60004.5.DickaneND0.60004.5.DickaneND0.60104.5.DickaneND0.62004.5.DickaneND0.62004</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></td<>	1.2.2.Trichloroschane (Freen 11)ND0.6901.2.5.Trichloroschane (Freen 11)ND0.7701.2.5.TrichloroschaneND0.00902.4.5.TrichloroschaneND0.00902.4.TrinkloroschaneND0.0902.4.TrinkloroschaneND0.0902.4.TrinkloroschaneND0.0902.5.TrinkloroschaneND0.0902.5.DickloroschaneND0.04002.5.DickloroschaneND0.46002.5.DickloroschaneND0.46003.5.TrinkloroschaneND0.66003.5.TrinkloroschaneND0.66003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60003.5.DickloroschaneND0.60004.4.DickaneND0.62004.5.DickaneND0.62004.5.DickaneND0.5204.5.DickaneND0.5204.5.DickaneND0.60004.5.DickaneND0.60004.5.DickaneND0.60104.5.DickaneND0.62004.5.DickaneND0.62004							-			
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1-Didlosciphica ND 0.40 · 1-Didlosciphica ND 0.70 · 2-Frinciphica ND 0.70 · 2-Didlosciphica ND 0.70 · 3-Didlosciphica ND 0.60 · 3-Didlosciphica ND 0.60 · 3-Didlosciphica ND 0.60 · 3-Didlosciphica ND 0.62 · 4-Discherearca ND 0.62 · 4-Discherearca ND 0.62 · Colocoporea ND 0.62 · rearca ND 0.67 · rearc	1-DicklaroschluneND0.40*1-DicklaroschluneND0.47*2-Ar-TinklorobenzeneND0.47*2-DicklaroschnaneND0.67*2-DicklaroschnaneND0.60*2-DicklaroschaneND0.60*2-DicklaroschaneND0.60*2-DicklaroschaneND0.60*2-DicklaroschaneND0.60*3-StrinerdylbenzeneND0.60*3-DickloroschaneND0.60*3-DickloroschaneND0.60*3-DickloroschaneND0.60*3-DickloroschaneND0.60*3-DickloroschaneND0.60*3-DickloroschaneND0.60*4-DiskaneND0.60*4-DiskaneND0.62*-HexanoeND0.41*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-UsteryoroschaneND0.62*-										
1-Didlowskybaa ND 0.099 * 2-Frinkarbybenzene ND 0.47 * 2-Arbinarbybenzene ND 0.47 * 2-Didlowskybaa ND 0.47 * 2-Didlowskybaa ND 0.44 * 2-Didlowskybaa ND 0.44 * 2-Didlowskybaa ND 0.44 * 2-Didlowskybaa ND 0.46 * 2-Didlowskybaa ND 0.45 * 2-Didlowskybaa ND 0.42 * 4-Didlowskybaa ND 0.45 *	1-DickloroethyleneND0.099*2.4-TrinchylbrexoreND0.49*2-DicklorobenzeneND0.67*2-DicklorobenzeneND0.40*2-DicklorobenzeneND0.40*2-DicklorobenzeneND0.40*2-DicklorobenzeneND0.40*2-DicklorobenzeneND0.40*3-DicklorobenzeneND0.60*3-DicklorobenzeneND0.60*3-DicklorobenzeneND0.60*3-DicklorobenzeneND0.60*3-DicklorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.62*4-DicknorobenzeneND0.64*4-DicknorobenzeneND0.64*4-DicknorobenzeneND0.64*4-DicknorobenzeneND0.64*4-Dicknorobenzene <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
24-Transhybergene 10 0.7 - 24-Transhybergene ND 0.47 - 2-Dichonanchanar ND 0.66 - 3-Dichonanchanar ND 0.62 - 3-Dichonanchanar ND 0.62 - 4-Dichonanchanar ND 0.62 - Colsopagene ND 0.62 - Andrid-Spartanes ND 0.62 - capose dichonanchanar ND 0.62 - anon scholaronachane ND 0.62 - <	2.4 Ticklorobenzene1.00.74*2.4 TinklorobenzeneND0.77*2.DichlorobenzeneND0.60*2.DichlorobenzeneND0.60*2.DichlorobenzeneND0.64*2.DichlorobenzeneND0.49*3.DischlorobenzeneND0.49*3.DischlorobenzeneND0.66*3.DischlorobenzeneND0.66*3.DischlorobenzeneND0.66*3.DischlorobenzeneND0.66*3.DischlorobenzeneND0.62*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.62*4.DickhorobenzeneND0.67*4.DickhorobenzeneND0.67*4.DickhorobenzeneND0.67*4.DickhorobenzeneND0.67*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.64*4.DickhorobenzeneND0.64*4.Dickhorobenzene<							"	0.40	ND	
24-Financybearane ND 0.49 • 22-bichtorybearane ND 0.660 • 22-bichtorybearane ND 0.640 • 23-bichtorybearane ND 0.640 • 23-bichtorybearane ND 0.640 • 23-bichtorybearane ND 0.660 • 3-bichtorybearane ND 0.660 • 4-bichtorybearane ND 0.660 • 4-bichtorybearane ND 0.620 • 6-bichtorybearane ND 0.621	2.4 TrimethylbenzeneND0.49*2.DichlorobrazeneND0.40*2.DichlorobrazeneND0.40*2.DichloropropaneND0.40*2.DichloropropaneND0.40*3.5 TrimethylbenzeneND0.40*3.DichloropropaneND0.60*3.DichloropropaneND0.60*4.DichloropropaneND0.60*4.DichloropropaneND0.60*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.62*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.67*4.DichloropropaneND0.61*4.DichloropropaneND0.61*4.Dichloropropane<							"	0.099		-
2-DB ND 0,70 • 2-Dickhonschane ND 0,40 • 3-Dickhonschane ND 0,60 • 4-Dickhonschane ND 0,20 • Ghanaon ND 0,41 • Ghanaon ND 0,22 • Granka ND 0,52 • Granka ND 0,52 • Granka ND 0,52 • Markon dishlife ND 0,64 • Horberhane ND <	2-Dichronomethane ND 0.77 * 2-Dichronomethane ND 0.60 * 2-Dichronomethane ND 0.46 * 2-Dichronomethane ND 0.46 * 3-Dichronomethane ND 0.46 * 3-Dichronomethane ND 0.66 * 3-Dichronomethane ND 0.66 * 3-Dichronomethane ND 0.66 * 3-Dichronomethane ND 0.66 * 3-Dichronomethane ND 0.60 * 3-Dichronomethane ND 0.60 * 4-Dicknomethane ND 0.72 * B-tanone ND 0.72 * Hexanone ND 0.41 * Hexpronomethane ND 0.41 * Incorroomethane ND 0.42 * Incorroomethane ND 0.43 * Incorroomethane ND 0.52 * Incorroomethane ND 0.41 * ND							"	0.74	1.0	
2) Dicklospersone ND 0,00 • 2) Dicklospersone ND 0,40 • 2) Dicklospersone ND 0,70 • 3) Trimedy Discontrantioneschane ND 0,70 • 3) Dicklospersone ND 0,60 • 3) Dicklospersone ND 0,60 • 3) Dicklospersone ND 0,60 • 4) Dicklospersone ND 0,20 • 4) Dicklospersone ND 0,20 • 4) Dicklospersone ND 0,20 • encore ND 0,42 • encore ND 0,42 • encore ND 0,52 • encore	2-DickhoryospenceND0.60"2-DickhoryospenceND0.40"2-DickhoryospenceND0.70"3-StrinictlybenzneND0.60"3-DickhoryospenceND0.60"3-DickhoryospenceND0.60"3-DickhoryospenceND0.60"3-DickhoryospenceND0.60"3-DickhoryospenceND0.60"4-DickorsenzencND0.60"4-DickorsenzencND0.62"-HexanoneND0.82"-HexanoneND0.48"-Mehyl-2-pentanoneND0.48"keetoneND0.48"keetoneND0.43"keetoneND0.52"konsdickoranethaneND0.52"konsdickoranethaneND0.67"konsdickoranethaneND0.64"konsdickoranethaneND0.64"konsdickoranethaneND0.64"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44"konsdickoranethaneND0.44" <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>"</td><td>0.49</td><td></td><td>· · · · ·</td></tr<>							"	0.49		· · · · ·
2.Dicklonoschane ND 0.40 * 2.Dicklonoschanucoschane ND 0.40 * 3.5.Trinsfuhltenzene ND 0.40 * 3.5.Dicklonoschane ND 0.40 * 3.5.Dicklonoschane ND 0.40 * 3.5.Dicklonoschane ND 0.60 * 3.Dicklonoschane ND 0.60 * 3.Dicklonoschane ND 0.60 * 3.Dicklonoschane ND 0.60 * 4.Disklonoschane ND 0.62 * 4.Disklonoschane ND 0.82 * 6.Rosprogene ND 0.41 * Cisklonoschane ND 0.42 * crylonitile ND 0.42 * crylonitile ND 0.41 * crylonitile ND 0.41 * crylonitile ND 0.42 * crylonitile ND 0.41 *	2.Dichlorosethane ND 0.40 • 2.Dichlorosethane ND 0.46 • 2.Dichlorosethane ND 0.40 • 3.5.Trimethylbenzene ND 0.40 • 3.Dichlorosethane ND 0.66 • 3.Dichlorosethane ND 0.66 • 3.Dichlorosethane ND 0.60 • 3.Dichlorosethane ND 0.60 • 4.Dickinorene ND 0.60 • 4.Dickinorene ND 0.62 • -Butanone ND 0.62 • -Hexanone ND 0.62 • -Methyl-2-pentanone ND 0.62 • -Methyl-2-pentanone ND 0.41 • Kerzee ND 0.41 • Kerzee ND 0.52 • Kerzee ND 0.62 • Kerzee ND 0.61 • Kerzee ND 0.62 • Kohoosethane ND 0.64 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>"</td> <td>0.77</td> <td></td> <td></td>							"	0.77		
2.0 ND 0.40 • 2.30 ND 0.40 • 3.51 ND 0.60 • 4.50 ND 0.60 • 4.50 ND 0.60 • 1.51 ND 0.60 • 1.50 ND 0.52 • 1.64 ND 0.52 • 1.64 ND 0.52 • 1.60 ND 0.52 • <	2.Dichiloropropane ND 0.46 * 2.Dichiloroptentane ND 0.070 * 3.Sh'rintryhlybarzene ND 0.66 * 3.Dichiloroptenzane ND 0.66 * 3.Dichiloroptenzane ND 0.60 * 3.Dichiloroptenzane ND 0.60 * 4.Dickardon Parten ND 0.60 * 4.Dickardon Parten ND 0.60 * 4.Dickardon Parten ND 0.60 * Hexanone ND 0.62 * Hekanone ND 0.41 * Hekanone ND 0.48 * Catoroptopene ND 0.48 * Kenzone ND 0.42 * Kenzone ND 0.42 * Kenzone ND 0.42 * Kenzone ND 0.43 * Kenzone ND 0.43 * Kenzone ND 0.46 * Kenzone ND 0.46							"	0.60	ND	,2-Dichlorobenzene
2.0.64 wordstandingeventume ND 0.70 * 3.5.7 trianethytherane: ND 0.60 * 3.7 binathine ND 0.60 * 3.7 binathytherane: ND 0.60 * 3.7 binathytherane: ND 0.60 * 3.7 binathytherane: ND 0.60 * 4.0 binatowerane: ND 0.60 * 4.0 binatowerane: ND 0.20 * Bitamone: ND 0.20 * Coloropopen: ND 0.41 * Coloropopen: ND 0.22 * consord function ND 0.32 * consord function ND 0.32 * consord function ND 0.33 * andon distribution ND 0.34 * andon distribution ND 0.34 * andon distribution ND 0.46 * Morowerane ND 0.47 <	2.Dickloroverhame ND 0.70 " 3.5.Trindhylbenzene ND 0.49 " 3.Dickloroverhame ND 0.60 " 3.Dickloroverhame ND 0.60 " 3.Dickloroverhame ND 0.60 " 4.Dickloroverhame ND 0.60 " 4.Dickloroverhame ND 0.72 " 4.Dickloroverhame ND 0.72 " 4.Dickloroverhame ND 0.72 " 4.Dickloroverhame ND 0.42 " 4.Dickloroverhame ND 0.44 " 4.Nordvorhame ND 0.44 " Averlonitife ND 0.42 " Barzen ND 0.42 " Bornoverhame ND 0.22 " Bornoverhame ND 0.67 " Somodichoroverhame ND 0.67 " Somodichoroverhame ND 0.67 " Somodichoroverhame ND 0.67 " Carbon							"	0.40	ND	,2-Dichloroethane
3.5-fm observations ND 0.49 • 3-Bata data ND 0.60 • 3-Dicklordostrypana ND 0.60 • 4.Dicklordostrypana ND 0.52 • Hatanone ND 0.42 • Kolleybergene ND 0.44 • velokindry Pantanone ND 0.42 • erande ND 0.42 • • erande ND 0.42 • • erande ND 0.42 • • erande ND 0.47 • • remode ND 0.47 • • remodeshame ND 0.46 • • horoendnane ND 0.46 • • horoendnane ND 0.46 • • horoendnane ND 0.45 • • si-Jobichoroendylene ND 0.45	3.5.Trimethylbenzene ND 0.49 " 3.3.Bitklorobenzene ND 0.60 " 3.Dicklorobenzene ND 0.60 " 4.Dicknorobenzene ND 0.60 " 4.Dicknorobenzene ND 0.60 " 4.Dicknorobenzene ND 0.60 " 4.Dicknorobenzene ND 0.62 " -Batanone ND 0.82 " -Hexanone ND 0.82 " -Methyl-zpetnanoe ND 0.41 " Verdoritife ND 0.42 " Barzene ND 0.42 " Gromoferhane ND 0.52 " Bromoferhane ND 0.67 " Bromoferhane ND 0.67 " Storobenzene ND 0.67 " Bromoferhane ND 0.67 " Storobenzene ND 0.67 " Storobenzene ND 0.67 " Storobenzene ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>"</td><td>0.46</td><td>ND</td><td>,2-Dichloropropane</td></t<>							"	0.46	ND	,2-Dichloropropane
3-Bundkine ND 0.66 - 3-Dickloroporane ND 0.60 - 4-Dickloroporane ND 0.46 - 4-Dickloroporane ND 0.20 - 4-Dickloroporane ND 0.22 - Bitanane ND 0.22 - Bitanane ND 0.44 - Colonopopane ND 0.42 - Methyl-2-portanene ND 0.42 - ectore ND 0.42 - expontinio ND 0.42 - expontinio ND 0.42 - entrachioremetane ND 0.42 - romondularene ND 0.42 - romondularene ND 0.42 - romondularene ND 0.43 - romondularene ND 0.44 - hobrowetanene ND 0.44 - si-12-Dicholoroporylene ND 0.44 - si-12-Dicholoroporylene ND <	3-Bitadian ND 0.66 • 3-Dichlorobenzene ND 0.60 • 3-Dichloropopane ND 0.60 • 4-Dickobenzene ND 0.60 • 4-Dickobenzene ND 0.72 • Butanone ND 0.29 • Chloropropene ND 0.82 • Chloropropene ND 0.41 • Vectone ND 0.42 • Vectone ND 0.42 • Vectone ND 0.43 • Vectone ND 0.52 • Somodichloromethane ND 0.54 • Chloroforn ND 0.54 • Chloroferid ND 0.4							"	0.70	ND	,2-Dichlorotetrafluoroethane
3-Dickhoroshopane ND 0.60 • 3-Dickhoroshopane ND 0.60 • 4-Dickaroshopane ND 0.72 • 4-Dickaroshopane ND 0.72 • Budanone ND 0.82 • Hexanone ND 0.82 • Modhyl-2-pentanone ND 0.41 • enzene ND 0.42 • enzene ND 0.42 • enzene ND 0.42 • enzene ND 0.42 • monodichlorosethane ND 0.52 • nomodichlorosethane ND 0.52 • monodichlorosethane ND 0.52 • monodichlorosethane ND 0.52 • horosethane ND 0.66 • horosethane ND 0.66 • horosethane ND 0.62 • sicoloosifilocombrytene ND 0.64 • sicoloosifilocombrytene ND	3-Dichlorobenzene ND 0.60 • 3-Dichlorobenzene ND 0.60 • 4-Dichlorobenzene ND 0.60 • 4-Dichlorobenzene ND 0.72 • -Butanone ND 0.29 • -Edutanone ND 0.82 • -Chloropropene ND 0.41 • -Methyl-2-pentanone ND 0.42 • -Verylonitrile ND 0.42 • Senzene ND 0.42 • Senzene ND 0.52 • Senzene ND 0.52 • Senzene ND 0.52 • Senzene ND 0.52 • Sendorichloromethane ND 0.52 • Sendorichloromethane ND 0.63 • Carbon disulfide ND 0.16 • Carbon disulfide ND 0.16 • Chlorobethane ND 0.26 • Chlorobethane ND 0.43							"	0.49	ND	,3,5-Trimethylbenzene
3-Diolhorogroppane ND 0.46 * 4-Diochorogroppane ND 0.02 * Butanone ND 0.23 * Butanone ND 0.22 * Chloropropene ND 0.44 * Chloropropene ND 0.44 * cyloptinile ND 0.42 * cyloptinile ND 0.22 * cynomodichoromethane ND 0.22 * romodichoromethane ND 0.10 * romodichoromethane ND 0.31 * romodichoromethane ND 0.46 * shloroform ND 0.49 * sil-Diochorogropytene ND 0.43 * spolocumet	3-Dichloroprane ND 0.46 " 4-Dioxane ND 0.60 " 4-Dioxane ND 0.72 " -Butanone ND 0.29 " -Hexanone ND 0.82 " -Methyl-2-pentanone ND 0.41 " Nedhyl-2-pentanone ND 0.42 " Nedhyl-2-pentanone ND 0.42 " Nedhyl-2-pentanone ND 0.42 " Nedhyl-1-pentanone ND 0.42 " Nordorithire ND 0.42 " Renzene ND 0.42 " Romodichloromethane ND 0.52 " Romodichloromethane ND 0.67 " Schood isulfide ND 0.31 " Cabon disulfide ND 0.46 " Schood schurde ND 0.26 " Schood schurde ND 0.49 " Schood schurde ND 0.43 " Schood schurde ND </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>"</td> <td>0.66</td> <td>ND</td> <td>,3-Butadiene</td>							"	0.66	ND	,3-Butadiene
4-Dickhorobensene ND 0.60 * 4-Dickane ND 0.72 * Blatanone ND 0.29 * Hexanone ND 0.82 * Chloropropene ND 0.44 * Withyl-2-pentanone ND 0.44 * cetone ND 0.42 * regret ND 0.42 * regret ND 0.44 * regret ND 0.42 * regret ND 0.52 * regret ND 0.51 * regret ND 0.52 * regret ND 0.54 * hloroform ND 0.54 * si/2-Dichlororotylene ND <td< td=""><td>44.Dicklorobenzene ND 0.60 * 44.Dickano ND 0.72 * Butanone ND 0.29 * Hexanone ND 0.82 * Chloropropene ND 1.6 * Methyl-2-pentanone ND 0.41 * Cectore ND 0.42 * Kerzene ND 0.32 * Kerzene ND 0.52 * Komodichoromethane ND 0.53 * Komodichoromethane ND 0.46 * Kohorothane ND 0.46 * Kohorothylene ND 0.43 * Kohorothylene<</td><td></td><td></td><td></td><td></td><td></td><td></td><td>"</td><td>0.60</td><td>ND</td><td>,3-Dichlorobenzene</td></td<>	44.Dicklorobenzene ND 0.60 * 44.Dickano ND 0.72 * Butanone ND 0.29 * Hexanone ND 0.82 * Chloropropene ND 1.6 * Methyl-2-pentanone ND 0.41 * Cectore ND 0.42 * Kerzene ND 0.32 * Kerzene ND 0.52 * Komodichoromethane ND 0.53 * Komodichoromethane ND 0.46 * Kohorothane ND 0.46 * Kohorothylene ND 0.43 * Kohorothylene<							"	0.60	ND	,3-Dichlorobenzene
4-Dioxane ND 0.72 • Bhanone ND 0.72 • Bhanone ND 0.72 • Chloropopene ND 0.82 • Methyl-2-pentanone ND 0.48 • Methyl-2-pentanone ND 0.48 • verylonitrile ND 0.22 • enzyl chloride ND 0.52 • enzyl chloride ND 0.52 • romodichloromethane ND 0.52 • romodichloromethane ND 0.52 • romodichloromethane ND 0.52 • romodichloromethane ND 0.61 • hlorosparzene ND 0.46 • hlorosparzene ND 0.45 • hlorosphane ND 0.45 • stolabiotopopylene ND 0.45 • stolabiotopopylene ND 0.45 • stolabiotopopylene ND 0.45 • thyl aeazaa <td< td=""><td>44Dioxane ND 0.72 " Butanone ND 0.29 " Hexanone ND 0.82 " Chloropropene ND 0.41 " Aethyl-2-pentanone ND 0.43 " Kerylonitrile ND 0.43 " Kerylonitrile ND 0.52 " Kornodichloromethane ND 0.67 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichoromethane ND 0.64</td><td></td><td></td><td></td><td></td><td></td><td></td><td>"</td><td>0.46</td><td>ND</td><td>,3-Dichloropropane</td></td<>	44Dioxane ND 0.72 " Butanone ND 0.29 " Hexanone ND 0.82 " Chloropropene ND 0.41 " Aethyl-2-pentanone ND 0.43 " Kerylonitrile ND 0.43 " Kerylonitrile ND 0.52 " Kornodichloromethane ND 0.67 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichloromethane ND 0.64 " Kornodichoromethane ND 0.64							"	0.46	ND	,3-Dichloropropane
Butanne ND 0.29 * Hexnone ND 0.82 * Chloroprepene ND 0.41 * Methyl-2-pentanone ND 0.41 * cetone ND 0.48 * erzene ND 0.32 * enzene ND 0.52 * romodichloromethane ND 0.52 * romodichloromethane ND 0.67 * romodichloromethane ND 0.31 * romodichloromethane ND 0.31 * noto stalifide ND 0.31 * noto dislifide ND 0.46 * hlorocherane ND 0.46 * hlorocherane ND 0.46 * hlorocherane ND 0.46 * hlorocherane ND 0.44 * st-1.2Dichloroprophene ND 0.44 * vjolocharae ND 0.43 * tichlorodiflororophane ND *	Balanone ND 0.29 I Hexanone ND 0.82 I Chloropopene ND 1.6 I Methyl-2pentanone ND 0.41 I certone ND 0.42 I certone ND 0.42 I certone ND 0.22 I tearge horide ND 0.52 I tormodichoromethane ND 0.67 I tormodethoromethane ND 0.67 I tormodethoromethane ND 0.67 I tormodethoromethane ND 0.67 I tormodethoromethane ND 0.616 I tormodethoride ND 0.616 I thorobethane ND 0.626 I thorobethane ND 0.621 I tordoromethane ND 0.621 I tordoromethane ND 0.621 I torobethoromet							"	0.60	ND	,4-Dichlorobenzene
Hexanone ND 0.82 * Chloropopene ND 1.6 * Methyl-2-pentanone ND 0.44 * eetone ND 0.48 * erglonitrife ND 0.22 * enzyl chloride ND 0.52 * enzyl chloride ND 0.52 * romodchloromethane ND 0.67 * romodchloromethane ND 0.031 * romodchloride ND 0.31 * romodchloride ND 0.66 * hlorochtane ND 0.66 * hlorochtane ND 0.66 * hlorochtane ND 0.66 * hlorochtane ND 0.26 * s1.3-Dichlorophylene ND 0.67 * s1.3-Dichlorophylene ND 0.62 * s1.3-Dichlorophylene ND 0.43 * stildondfilloromethane ND 0.43 * thorophylene ND <td>Hexanone ND 0.82 " -Chloropropene ND 1.6 " -Methyl-2-pentanone ND 0.41 " -Methyl-2-pentanone ND 0.48 " -ecylonitrile ND 0.42 " terzzne ND 0.32 " terzzne ND 0.52 " terzzne ND 0.67 " terzzne ND 0.52 " terzzne ND 0.67 " terzzne ND 0.64 " terzzne ND 0.26 "</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>"</td> <td>0.72</td> <td>ND</td> <td>,4-Dioxane</td>	Hexanone ND 0.82 " -Chloropropene ND 1.6 " -Methyl-2-pentanone ND 0.41 " -Methyl-2-pentanone ND 0.48 " -ecylonitrile ND 0.42 " terzzne ND 0.32 " terzzne ND 0.52 " terzzne ND 0.67 " terzzne ND 0.52 " terzzne ND 0.67 " terzzne ND 0.64 " terzzne ND 0.26 "							"	0.72	ND	,4-Dioxane
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120 RESEARCH DRIVE STRATFORD, CT 06615 I 132-02 89th AVENUE RICHMOND HILL, NY 11418											-
	Heptane ND 0.41 "							"	0.41	ND	-Heptane
	120 RESEARCH DRIVE STRATFORD, CT 06615 I 132-02 89th AVENUE RICHMON	D HILL, NY 11418	RICHMONE		VENUE	32-02 89th A	1		T 06615	STRATFORD, C	120 RESEARCH DRIVE
	www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServ	^{ces(} Page 13 of 1	ClientServic		7-0166	AX (203) 35	F			(203) 325-1371	www.YORKLAB.com



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Back B840871 - EPA TO1S PREP Blank (B840871-BLK1) Blank n-Hexane ND o-Xylene ND p-Kan-Xylenes ND p-Ethyltoluene ND Propylene ND Styrene ND Tetrahydrofuran ND Toluene ND Trichloroethylene ND Trichloroethylene ND Trichloroethylene (Freon 11) ND Vinyl acetate ND Vinyl bromide ND Vinyl Chloride ND Vinyl Chloroethane 8.66 1,1,2-Trichloroethane 8.66 1,1,2-Trichloroethane 8.76 1,1,2-Trichloroethane 8.76 1,1,2-Trichloroethane 8.76 1,1,2-Trichloroethane 8.76 1,2-Drichloroethane 7.50 1,2-Drichl	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-HexaneNDo-XyleneNDo-XyleneNDp-& m-XylenesNDp-EthyltolueneNDPropyleneNDStyreneNDTetrachloroethyleneNDTetrachloroethyleneNDTetrachloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl acetateNDVinyl acetateNDVinyl ChlorideNDLCSLCS1,1,2-Tetrachloroethane8.661,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2-Trichloroethane8.761,1-Dichloroethane8.761,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.701,3-Dichloropapae8.061,3-Dichloropapae8.072-Dichloroethane7.701,4-Diokane7.772-Butanone8.773-Chloroppene11.04-Methyl-2-pentanone8.02Benzene8.02 <tr< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr<>										
n-HexaneNDo-XyleneNDp-& m-XylenesNDp-EthyltolueneNDPropyleneNDStyreneNDTetrachloreethyleneNDTetrachloreethyleneNDTolueneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl bromideNDVinyl bromideNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCSLCS1,1,2-Tetrachloroethane1,1,2-Tetrachloroethane8.661,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2,4-Trichloroethane8.761,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2,4-Trichloroethane8.761,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,2,4-Trichloroethane8.761,2,4-Trichloroethane8.761,2-Dichloroethane7.501,2-Dichloroethane7.881,2-Dichloroethane7.501,2-Dichloropenzene7.501,3-Dichloroethane8.091,4-Dichloroethane8.072-Dichloroethane7.701,4-Dichloroethane8.072-Dichloroethane8.072-Dichloroethane8.07						Prej	pared: 02/13/2	2024 Analyz	ed: 02/14/2	024
p & m XylenesNDp-EthyltolueneNDPropyleneNDStyreneNDTetrachloroethyleneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl acetateNDVinyl bromideNDVinyl bromideNDVinyl ChlorideNDLCS (B40871-BS1)LCSLCS (Tetrachloroethane8.661,1,2-Tetrachloroethane8.621,1,2-Tetrachloroethane8.621,1,2-Trichloroethane8.621,1-2-Trichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.801,2-4-Trichloroethane8.801,2-4-Trichloroethane8.801,2-Dichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane7.501,3-Dichloroethane8.661,3-Dichloroethane8.661,3-Dichloroethane8.661,3-Dichloroethane8.671,3-Dichloroethane7.701,4-Dichloroethane8.671,3-Dichloroethane8.773-Dichloroethane8.773-Dichloropropane <td>0.35</td> <td>ug/m³</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0.35	ug/m³								
p-EthyloleneNDPropyleneNDStyreneNDStyreneNDTetrahydrofuranNDTetrahydrofuranNDTolueneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichlorofluoromethane (Freon 11)NDVinyl bromideNDVinyl chlorideNDLCS (B840871-BS1)LCSLCS (B40871-BS1)LCS1,1,1,2-Tetrachloroethane8.661,1,2-Tetrachloroethane8.621,1,2-Tetrachloroethane8.621,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,2-Trichloroethane8.801,2-Dirbindoroethane7.881,2-Dirbindoroethane7.501,2-Trichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane7.501,3-Dichloropropane8.561,2-Dichloroethane7.831,3-Dichloropropane8.611,3-Dichloropropane8.091,4-Dichlorobenzene7.701,4-Dixane7.772-Butanone8.773-Chloropropene1.104-Methyl-2-pentanone8.02Benzule chloride9.13	0.43	"								
ProplemeNDStyreneNDStyreneNDTetrachloroethyleneNDTetrachloroethyleneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropyleneNDTrichloroethyleneNDtrins-1,3-DichloropyleneNDTrichloroethyleneNDVinyl acetateNDVinyl bromideNDVinyl bromideNDLCS (BB40871-BS1)LCSLCS1,1,2-Tetrachloroethane1,1,2-Tetrachloroethane8.661,1,1-Trichloroethane8.481,1,2,2-Tetrachloroethane8.621,1,2-Trichloro-thane8.621,1,2-Trichloro-thane8.621,1,2-Trichloro-thane8.621,1,2-Trichloro-thane8.621,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.801,2-Dichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.801,2-Dichloroethane8.991,4-Dichloroethane9.131,3-Dichloropropane8.071,4-Dioxane7.702-Butanone8.173-Chloropropene11.04-Methyl-2-pe	0.87	"								
StructureNDTetrachloroethyleneNDTetrachloroethyleneNDTrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl acetateNDVinyl bromideNDVinyl bromideNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCSI,1,2-Tetrachloroethane8.661,1,1-Trichloroethane8.621,1,2-Trichloroethane8.621,1,2-Trichloroethane8.141,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane7.381,2,4-Trichloroethane7.381,2,4-Trimethylbenzene7.501,2-Dichloroethane7.501,2-Dichloroethane10.71,3,5-Trimethylbenzene7.831,3-Dichlorobenzene7.701,4-Dioxane7.772-Butanone8.072-Hexanone8.773-Chloropopane8.072-Hexanone9.13Acerylonitrile8.18Benzene8.02Bromodichloromethane9.13Acerlonichloromethane9.13Acerlonichloromethane9.13Acerlonichloromethane9.13Acerlonichloromethane9.13Acerlonichloromethane8.02Bromodichloromethane8.02Bromodichloromethane </td <td>0.49</td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0.49	"								
TetrachloroethyleneNDTetrahydrofuranNDTolueneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCSLCS (CBB40871-BS1)LCSLCS (CBB40871-BS1)ScG1,1,2-Tetrachloroethane8.661,1,2-Tetrachloroethane8.621,1,2-Tetrachloroethane8.621,1,2-Trichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane7.881,2-A-Trinhoroethane7.881,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.501,3-Dichloroethane1.071,3,5-Trimethylbenzene7.831,3-Dichlorobenzene7.701,4-Dickloroetnene7.701,4-Dicklorobenzene7.701,4-Dicklorobenzene7.701,4-Dicklorobenzene7.701,4-Dicklorobenzene7.701,4-Dicklorobenzene7.701,4-Dicklorobenzene7.702-Butanone8.072-Hexanone8.18	0.17	"								
TetrahydrofuranNDTolueneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichloroethyleneNDTrichloroethyleneNDVinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCSLCS (IB40871-BS1)LCS1,1,2-Tetrachloroethane8.661,1,1-Trichloroethane8.661,1,2-Tetrachloroethane8.621,1,2-Trichloroethane8.621,1,2-Trichloroethane8.621,1,2-Trichloroethane8.141,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,2-Trichloroethane7.381,2,4-Trichloroethane7.881,2-Dichloroethane7.881,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane7.851,3-Dichloropopane8.561,3-Dichloroptopane8.091,4-Dichlorobenzene7.701,4-Dichlorobenzene7.772-Butanone8.773-Chloropopene11.04-Methyl-2-pentanone8.18Benzene8.02Benzene8.02Benzene8.02Bromodichloromethane9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13	0.43	"								
TolueneNDtrans-1,2-DichloroethyleneNDtrans-1,3-DichloropropyleneNDTrichlorofluoromethane (Freon 11)NDVinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCSLCS (Tackbox (Endotrement))NDL.1,1-Trichloroethane8.661,1,2-Tetrachloroethane8.661,1,2-Trichloroethane8.621,1,2-Trichloroethane8.141,1-2,2-trichloroethane8.141,1-Dichloroethane8.141,1-Dichloroethane8.141,1-Dichloroethane8.181,2-Trichloroethane7.381,2,4-Trichloroethane7.381,2,4-Trinethylbenzene8.801,2-Dichloroethane7.501,2-Dichloroethane7.501,2-Dichloroethane8.801,2-Dichloroethane7.501,2-Dichloropopane8.561,2-Dichloropopane8.091,4-Dichlorobenzene7.701,3-Dichloropopane8.091,4-Dichloropopane8.072-Butanone8.773-Chloropopane8.181,3-Dichloropopane8.173-Chloropopene11.04-Methyl-2-pentanone8.18Benzene8.02Benzene8.02Bromodichloromethane9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13Acetone9.13<	0.68	"								
trans-1,2-Dichloroethylene ND trans-1,3-Dichloropropylene ND Trichlorofuloromethane (Freon 11) ND Vinyl acetate ND Vinyl bromide ND Vinyl bromide ND Vinyl Chloride ND <u>LCS (BB40871-BS1) LCS</u> 1,1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.62 1,1,2-Trichloroethane 8.62 1,1,2-Trichloroethane 8.62 1,1,2-Trichloroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.14 1,1-Dichloroethane 7.38 1,2,4-Trinchloroethane 7.38 1,2,4-Trinchloroethane 7.88 1,2-Dichloroethane 7.85 1,2-Dichloroethane 10.7 1,3,5-Trimethylbenzene 8.56 1,2-Dichloropenzene 7.50 1,2-Dichloropenzene 7.55 1,3-Butadiene 10.4 1,3-Dichloropenzene 7.70 1,4-Dichloropenzene 7.85 1,3-Butadiene 10.4 1,3-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 2-Butanone 8.07 2-Hexanone 8.07 2-Hexanone 8.07 2-Hexanone 8.18 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromomethane 9.13 Carbon disulfide 7.60	0.59	"								
trans-1,3-Dichloropropylene ND Trichlorofluoromethane (Freon 11) ND Vinyl acetate ND Vinyl bromide ND Vinyl bromide ND Vinyl Chloride ND <u>LCS (BB40871-BS1) LCS</u> 1,1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.18 1,2-A-Trinchloroethane 7.38 1,2,4-Trinchloroethane 7.38 1,2,4-Trinchloroethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropenzene 7.50 1,3-Dichloropenzene 7.50 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 8.07 2-Hexanone 8.07 2-Hexanone 8.18 Benzene 8.02 Benzyl chloride 9.13 Acetone 8.02 Benzyl chloride 9.13 Carbon disulfide 7.60	0.38	"								
TrichloroethyleneNDTrichlorofluoromethane (Freon 11)NDVinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1) LCSLCS (BB40871-BS1) LCS1,1,1-Trichloroethane8.481,1,2-Tetrachloroethane8.621,1,2-Tetrachloroethane8.621,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloroethane8.141,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane7.881,2-Trichloroethane7.881,2-Trichloroethane7.881,2-Dichloroethane7.881,2-Dichlorobenzene7.501,2-Dichloropopane8.561,2-Dichloropopane8.561,2-Dichloropopane8.091,4-Dichoropopane8.091,4-Dichoropopane8.072-Butanone8.773-Chloropopene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone9.13Acetone9.13Benzene8.62Bromodichloromethane8.62Bromodichloromethane8.62Bromodichloromethane9.13Carbon disulfide9.13Carbon disulfide9.13	0.40	"								
Trichlorofluoromethane (Freon 11)NDVinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCS1,1,1-2-Tetrachloroethane8.661,1,1-Trichloroethane8.481,1,2-Tetrachloroethane8.621,1,2-Tetrachloroethane8.621,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloroethane8.141,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane7.381,2-A-Trichloroethane7.381,2-A-Trichloroethane7.381,2-Lichloroethane7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichloroethane10.71,3-5-Trimethylbenzene8.801,2-Dichloropopane8.561,3-Dichlorobenzene7.701,4-Dichorobenzene7.701,4-Dichoropopane8.072-Butanone8.773-Chloropopane8.072-Hexanone8.773-Chloropropane8.173-Chloropropane9.13Acetone9.13Acetone9.13Acetone9.23Bromodichloromethane8.62Bromodichloromethane8.62Bromodichloromethane8.62Bromodichloromethane8.62Bromodichloromethane8.62Bromodichloromethane9.13Carbon disulfide9.13	0.45	"								
Vinyl acetateNDVinyl bromideNDVinyl ChlorideNDLCS (BB40871-BS1)LCS1,1,1,2-Tetrachloroethane8.661,1,1-Trichloroethane8.481,1,2,2-Tetrachloroethane8.621,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)9.071,1,2-Trichloroethane8.141,1-Dichloroethane8.761,1-Dichloroethane8.761,1-Dichloroethane9.301,2,4-Trindenobenzene7.381,2,4-Trindenobenzene7.381,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,2-Dichlorobenzene7.501,3-Dichloropenzene7.851,3-Butadiene10.71,3-Dichlorobenzene7.701,4-Dichlorobenzene7.701,4-Dichlorobenzene7.701,4-Dichlorobenzene9.131,3-Dichloropenzene8.091,4-Dichlorobenzene9.13Acetone9.13Acetone9.13Acetone9.13Acetone8.02Benzene8.02Benzene8.02Benzene8.02Benzene8.00Bromodichloromethane8.62Bromodichloromethane9.13Carbon disulfide9.13	0.13	"								
Vinyl bromide ND Vinyl Chloride ND LCS (BB40871-BS1) LCS 1,1,1.2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.48 1,1,2-Tetrachloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,2-A-Trinethylbenzene 7.38 1,2-L-Trichloroethane 7.88 1,2-Dichloroethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloroethane 8.80 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.09 1,3-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 9.13 1,3-Dichloropropane 8.07 2-Hexanone 8.77 3-Chloropropene	0.56	"								
Vinyl Chloride ND LCS (BB40871-BS1) LCS 1,1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.48 1,1,2-Tetrachloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.78 1,2-4-Trichloroethane 7.38 1,2,4-Trimethylbenzene 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropopane 8.56 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,3-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 9.13 1,3-Dichloropropane 8.07 2-Hexanone 8.77	0.35	"								
LCS (BB40871-BS1) LCS 1,1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.48 1,1,2-Tetrachloroethane 8.62 1,1,2-Trichloroethane 8.62 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,2,4-Trimethylbenzene 7.38 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorotetrafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Dichloropropane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 9.13 1,3-Dichloropropane 8.07 2-Hexanone 8.77	0.44	"								
1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.48 1,1,2-Tetrachloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 9.30 1,2,4-Trichlorobenzene 7.38 1,2,4-Trinethylbenzene 8.18 1,2-Dibromoethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropopane 8.56 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.09 1,3-Dichloroptopane 7.83 1,3-Dichloroptopane 8.09 1,4-Dichloroptopane 8.09 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 7.70 1,4-Dichloropenzene 9.13 1,4-Dichloropenzene 9.13 1,4-Dichloropenzene 9.13 1,4-Dichloropenzene	0.13	"								
1,1,1,2-Tetrachloroethane 8.66 1,1,1-Trichloroethane 8.48 1,1,2-Tetrachloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 9.30 1,2,4-Trichloroethylene 9.30 1,2,4-Trinethylbenzene 8.18 1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropopane 8.56 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.09 1,3-Dichlorobenzene 7.83 1,3-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichloroptopane 8.07 1,4-Dichloroptopane 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acrylonitrile 8.18 Benzene 8.02 Benzyl chloride 9.23 Bromod						Prej	pared & Anal	yzed: 02/13/	2024	
1,1,1-Trichloroethane 8.48 1,1,2-Trichloroethane 8.62 1,1,2-Trichloroethane 8.14 1,1,2-Trichloroethane 8.76 1,1-Dichloroethane 8.76 1,1-Dichloroethane 9.30 1,2-4-Trichloroethane 9.30 1,2.4-Trichloroethane 8.18 1,2.4-Trichloroethane 7.38 1,2.4-Trinethylbenzene 8.18 1,2-Dibromoethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloropropane 8.56 1,2-Dichloropropane 8.56 1,3-Dichloropropane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichloropropane 8.07 2-Hexanone 8.07 2-Hexanone 9.13 Acetone 9.13 Acetone 9.13 Acetone 9.13 Benzene 8.02 B		ppbv	10.0		86.6	70-130				
1,1,2,2-Tetrachloroethane 8.62 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 9.30 1,2,4-Trichloroethane 9.30 1,2,4-Trichloroethane 7.38 1,2,4-Trinethylbenzene 7.88 1,2-Dibromoethane 7.50 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Dichloroethane 10.4 1,3-Dichloropropane 8.09 1,4-Dichloropopane 8.09 1,4-Dichloropropane 8.09 1,4-Dichloropropane 8.07 2-Hexanone 8.07 2-Hexanone 9.13 Acetone 9.13 Acetone 9.13 Acetone 9.23 Benzene 8.02 Benzene 8.02 Benzene 8.02 Benzene 9.23 Bromodi		"	10.0		84.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) 9.07 1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethane 9.30 1,2.4-Trichlorobenzene 7.38 1,2.4-Trichlorobenzene 7.38 1,2.4-Trinethylbenzene 8.18 1,2-Dibromoethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropropane 8.80 1,2-Dichloroptertafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Dichlorobenzene 7.83 1,3-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichloroptopene 11.0 4-Methyl-2-pentanone 8.07 2-Hexanone 9.13 Acetone 9.13 Acetone 9.13 Benzene 8.02 Benzyl chl		"	10.0		86.2	70-130				
1,1,2-Trichloroethane 8.14 1,1-Dichloroethane 8.76 1,1-Dichloroethylene 9.30 1,2,4-Trichlorobenzene 7.38 1,2,4-Trimethylbenzene 8.18 1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,3-Dichloropropane 8.80 1,3-Dichlorobenzene 7.85 1,3-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acrylonitrile 8.18 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62		"	10.0		90.7	70-130				
1,1-Dichloroethane 8.76 1,1-Dichloroethylene 9.30 1,2,4-Trichlorobenzene 7.38 1,2,4-Trimethylbenzene 8.18 1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 8.80 1,2-Dichlorobenzene 10.7 1,3-Dichloropropane 8.56 1,2-Dichlorotetrafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromoform 8.00 Bromonethane 9.13 Carbon disulfide 7.60 <td></td> <td>"</td> <td>10.0</td> <td></td> <td>81.4</td> <td>70-130</td> <td></td> <td></td> <td></td> <td></td>		"	10.0		81.4	70-130				
1,1-Dichloroethylene 9.30 1,2,4-Trichlorobenzene 7.38 1,2,4-Trimethylbenzene 8.18 1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 8.80 1,2-Dichlorobenzene 8.80 1,2-Dichlorobenzene 10.7 1,3-Dichlorotetrafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromomethane 9.13 Carbon disulfide 9.13		"	10.0		87.6	70-130				
1,2,4-Trichlorobenzene 7.38 1,2,4-Trimethylbenzene 8.18 1,2-Dibromoethane 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichlorobenzene 7.50 1,2-Dichloropenzene 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 10.7 1,3-Dichlorotetrafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromomethane 9.13 Carbon disulfide 7.60		"	10.0		93.0	70-130				
1,2,4-Trimethylbenzene 8.18 1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.80 1,2-Dichloroethane 8.61 1,2-Dichloroethane 10.7 1,3-Dichloroethane 10.7 1,3-5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichloropropane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Bromodichloromethane 8.62 Bromodichloromethane 8.00 Bromodichloromethane 9.13 Carbon disulfide 7.60		"	10.0		73.8	70-130				
1,2-Dibromoethane 7.88 1,2-Dichlorobenzene 7.50 1,2-Dichloroptopane 8.80 1,2-Dichloroptopane 8.56 1,2-Dichloroptopane 8.00 1,2-Dichloroptopane 8.56 1,2-Dichlorotetrafluoroethane 10.7 1,3-Dichlorotetrafluoroethane 10.7 1,3-S-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichloroptopane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.00 Bromooform 8.00 Bromonethane 9.13 Carbon disulfide 7.60		"	10.0		81.8	70-130				
1,2-Dichlorobenzene 7.50 1,2-Dichloroethane 8.80 1,2-Dichloropropane 8.56 1,2-Dichloroptopane 10.7 1,3-Dichlorotetrafluoroethane 10.7 1,3,5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 9.23 Bromodichloromethane 8.62 Bromodichloromethane 9.13 Carbon disulfide 9.13		"	10.0		78.8	70-130				
1,2-Dichloroethane8.801,2-Dichloropropane8.561,2-Dichlorotetrafluoroethane10.71,3,5-Trimethylbenzene7.851,3-Butadiene10.41,3-Dichlorobenzene7.831,3-Dichlorobenzene7.701,4-Dichlorobenzene7.701,4-Dichlorobenzene7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.02Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromonethane9.13Carbon disulfide7.60		"	10.0		75.0	70-130				
1,2-Dichloropropane8.561,2-Dichlorotetrafluoroethane10.71,3,5-Trimethylbenzene7.851,3-Butadiene10.41,3-Dichlorobenzene7.831,3-Dichlorobenzene7.701,4-Dichlorobenzene7.701,4-Dichlorobenzene7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.02Benzene8.02Benzene8.02Benzene8.02Bromodichloromethane9.13Carbon disulfide9.13Carbon disulfide7.60		"	10.0		88.0	70-130				
1,2-Dichlorotetrafluoroethane10.71,3,5-Trimethylbenzene7.851,3-Butadiene10.41,3-Dichlorobenzene7.831,3-Dichlorobenzene8.091,4-Dichlorobenzene7.701,4-Dichlorobenzene7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.02Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromonethane9.13Carbon disulfide7.60		"	10.0		85.6	70-130				
1,3,5-Trimethylbenzene 7.85 1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichloropropane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 8.02 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromomethane 9.13 Carbon disulfide 7.13		"	10.0		107	70-130				
1,3-Butadiene 10.4 1,3-Dichlorobenzene 7.83 1,3-Dichloropropane 8.09 1,4-Dichlorobenzene 7.70 1,4-Dichlorobenzene 7.77 2-Butanone 8.07 2-Hexanone 8.07 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 8.02 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromonethane 9.13 Carbon disulfide 7.60		"	10.0		78.5	70-130				
1,3-Dichlorobenzene7.831,3-Dichloropropane8.091,4-Dichlorobenzene7.701,4-Dicklorobenzene7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.02Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromonethane9.13Carbon disulfide7.60		"	10.0		104	70-130				
1,3-Dichloropropane8.091,4-Dichlorobenzene7.701,4-Dicklorobenzene7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.02Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		78.3	70-130				
1,4-Dichlorobenzene 7.70 1,4-Dioxane 7.77 2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acetone 8.18 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromonform 8.00 Bromomethane 9.13 Carbon disulfide 7.60		"	10.0		80.9	70-130				
1,4-Dioxane7.772-Butanone8.072-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetone8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		77.0	70-130				
2-Butanone 8.07 2-Hexanone 8.77 3-Chloropropene 11.0 4-Methyl-2-pentanone 9.13 Acetone 9.13 Acrylonitrile 8.18 Benzene 8.02 Benzyl chloride 9.23 Bromodichloromethane 8.62 Bromoform 8.00 Bromomethane 9.13 Carbon disulfide 7.60		"	10.0		77.7	70-130				
2-Hexanone8.773-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acetylonitrile8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		80.7	70-130				
3-Chloropropene11.04-Methyl-2-pentanone9.13Acetone9.13Acrylonitrile8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		80.7	70-130				
4-Methyl-2-pentanone9.13Acetone9.13Acetone9.13Acrylonitrile8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		110	70-130				
Acetone9.13Acrylonitrile8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		91.3	70-130				
Acrylonitrile8.18Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		91.3	70-130				
Benzene8.02Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60		"	10.0		91.3 81.8	70-130				
Benzyl chloride9.23Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60			10.0		81.8 80.2	70-130				
Bromodichloromethane8.62Bromoform8.00Bromomethane9.13Carbon disulfide7.60			10.0		80.2 92.3	70-130				
Bromoform8.00Bromomethane9.13Carbon disulfide7.60			10.0			70-130 70-130				
Bromomethane 9.13 Carbon disulfide 7.60			10.0		86.2 80.0	70-130 70-130				
Carbon disulfide 7.60										
			10.0		91.3	70-130				
Carbon tenachioride 0.79			10.0		76.0	70-130				
7.20			10.0		92.8	70-130				
120 RESEARCH DRIVE STRATFORD, CT	Г 06615		1	32-02 89th A	VENUE		RICHMON	D HILL, NY	′ 11418	
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Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

		Reporting		Spike	Source*		%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	Flag	RPD	Limit	Flag
Batch BB40871 - EPA TO15 PREP											
LCS (BB40871-BS1) LCS							Prep	pared & Analyz	zed: 02/13/	2024	
Chlorobenzene	8.57		ppbv	10.0		85.7	70-130				
Chloroethane	9.53		"	10.0		95.3	70-130				
Chloroform	8.67		"	10.0		86.7	70-130				
Chloromethane	10.2		"	10.0		102	70-130				
cis-1,2-Dichloroethylene	7.99		"	10.0		79.9	70-130				
cis-1,3-Dichloropropylene	8.23		"	10.0		82.3	70-130				
Cyclohexane	9.83		"	10.0		98.3	70-130				
Dibromochloromethane	7.55		"	10.0		75.5	70-130				
Dichlorodifluoromethane	9.87		"	10.0		98.7	70-130				
Ethyl acetate	8.20		"	10.0		82.0	70-130				
Ethyl Benzene	8.89		"	10.0		88.9	70-130				
Hexachlorobutadiene	6.76		"	10.0		67.6	70-130	Low Bias			
Isopropanol	8.24		"	10.0		82.4	70-130				
Methyl Methacrylate	9.69		"	10.0		96.9	70-130				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	70-130				
Methylene chloride	8.62		"	10.0		86.2	70-130				
n-Heptane	11.5		"	10.0		115	70-130				
n-Hexane	13.6		"	10.0		136	70-130	High Bias			
o-Xylene	8.64		"	10.0		86.4	70-130				
p- & m- Xylenes	17.9		"	20.0		89.4	70-130				
p-Ethyltoluene	8.92		"	10.0		89.2	70-130				
Propylene	9.05		"	10.0		90.5	70-130				
Styrene	8.26		"	10.0		82.6	70-130				
Tetrachloroethylene	11.5		"	10.0		115	70-130				
Tetrahydrofuran	8.98		"	10.0		89.8	70-130				
Toluene	7.87		"	10.0		78.7	70-130				
trans-1,2-Dichloroethylene	8.86		"	10.0		88.6	70-130				
trans-1,3-Dichloropropylene	8.12		"	10.0		81.2	70-130				
Trichloroethylene	8.63		"	10.0		86.3	70-130				
Trichlorofluoromethane (Freon 11)	9.36		"	10.0		93.6	70-130				
Vinyl acetate	7.51		"	10.0		75.1	70-130				
Vinyl bromide	9.11		"	10.0		91.1	70-130				
Vinyl Chloride	10.9		"	10.0		109	70-130				

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ClientServices

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Sample and Data Qualifiers Relating to This Work Order

- TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
- TO-LCS-L The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
- TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

- * Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
- ND NOT DETECTED the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
- RL REPORTING LIMIT the minimum reportable value based upon the lowest point in the analyte calibration curve.
- LOQ LIMIT OF QUANTITATION the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
- LOD LIMIT OF DETECTION a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
- MDL METHOD DETECTION LIMIT a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

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Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.





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# ATTACHMENT D DER-31 EVALUATION

LANGAN

# **DER-31 EVALUATION**

The New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-31 Green Remediation Policy requires that green remediation concepts and techniques be considered during all stages of the remedial program (including site management), with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides a discussion and evaluation of environmental impacts associated with operation, maintenance, and monitoring (OM&M) activities for during the 2023 reporting period, and a summary of green remediation goals for the 2024 reporting period.

Green remediation principles and techniques were implemented to the extent feasible in the OM&M phase of the remedy as per DER-31. The green remediation components evaluated were as follows:

- Waste Generation
- Energy Usage
- Emissions
- Water Usage
- Land and/or Ecosystems

A summary of remediation goals for the 2024 reporting period is provided at the end of the section.

### Waste Generation

Waste generation considers the management of waste associated with OM&M activities and any waste reduction projects including, but not limited to, material reuse and recycling. For the sub-slab depressurization (SSD) systems, minimal waste (less than 10 feet of tubing and less than one box of disposable gloves) is generated and electronic means of data collection (i.e., tablets) are used to reduce paper consumption during annual performance monitoring events and OM&M activities. Non-routine maintenance events may produce additional waste if system components (i.e., blower parts or entire blowers) require replacement, as will be the case during the 2024 reporting period.

### Energy Usage

Energy usage considers the electrical usage for operation of remedial systems and site lighting needed for OM&M activities. The SSD systems are powered using the municipal grid, and therefore are subject to local energy supply means. It is anticipated that this system uses a total of 9,000 kilowatt hours of energy per year.

To reduce energy usage, site inspections are combined where feasible (i.e., field personnel completing tasks for nearby remediation sites may conduct OM&M activities for the site during

the same workday). Combining site inspections reduces the amount of equipment (i.e., air velocity meter, photoionization detector, etc.) needed for OM&M activities and therefore reduces the amount of energy used for equipment charging.

### Emissions

Emissions tracking considers the vapor-phase remedial system emissions, fuel usage for transportation to and from the site for inspections and/or sampling, and operation of gas-powered generators, etc. The post-mitigation effluent vapor sampling was conducted during the 2024 reporting period; vapor-phase remedial system emissions will be summarized in the Annual MMR for 2024 along with the post-mitigation effluent vapor sampling results.

Fuel usage is required for transportation of personnel to and from the site, and transportation associated with screening/sampling equipment. During the 2023 reporting period, fuel usage was required for operation and maintenance of the SSD as follows:

- <u>Langan personnel</u>: Originating at the Langan office in NYC, two trips to/from the site were conducted for annual performance monitoring inspections and non-routine maintenance events.
- <u>AWT technician</u>: Originating the AWT office in Old Bridge, New Jersey, two trips to/from the site were conducted for non-routine maintenance events.
- <u>Screening/sampling equipment</u>: Originating at the Pine Environmental Services LLC office in Windsor, NJ, two trips to/from the Langan office in NYC or the site were conducted for transportation of screening/sampling equipment used during annual performance monitoring inspections.

### Water Usage

Water usage considers sources of water for tasks such as decontamination, irrigation, etc. There is no direct water consumption needed for operation of the SSD systems.

### Land and/or Ecosystems

Land and/or ecosystems considers any disturbances and restoration of land and/or ecosystems as part of the implementation/operation of the remedy. No disturbances or restoration of land and/or ecosystems are required as part of OM&M activities.

### Goals for OM&M Activities in 2024

While future development associated with the site's remedial program is not anticipated, goals for the project to incorporate green remediation principles and techniques include:

- Continued focus on reducing sampling-related waste and use of non-disposable supplies as often as possible;
- Use of public transit by personnel when possible;
- Use of in-house equipment and supplies to prevent indirect fuel usage by third-party

delivery drivers; and

• Tracking of detailed green remediation components to generate an environmental footprint analysis for the 2024 reporting period.

Langan will continue to evaluate green remediation concepts and techniques for inclusion in site management, with the goal of improving the sustainability of the cleanup and OM&M activities.