Excavation Summary Report

Emergency Water Line Repair

Jacob Riis Houses
Building 4
1223 FDR Drive
Manhattan, N.Y. 10009

Prepared for:

NEW YORK CITY HOUSING AUTHORITY

Prepared by:

LiRo Engineers, Inc.
235 E. Jericho Turnpike
Mineola, New York 11501

February 1, 2024

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1.0 Introduction

LiRo Engineers, Inc. (LiRo) was retained by the New York City Housing Authority (NYCHA) to perform environmental supervision and community air monitoring of excavation activities during emergency water line repair on the property referred to as the Riis Houses (hereafter referred to as the Site). The Site is located in the borough of Manhattan between East 8th Street and East 13th Street, east of Avenue D, and west of the Franklin D. Roosevelt (FDR) Drive.

Excavation and water service line repair activities were performed by JCC Construction Corp. (JCC) of Long Island City, NY to repair a potable water service connection on the east side of Riis Houses Building 4, located at 1223 FDR Drive, between Building 4 and FDR Drive as shown on the Site Location Map, provided as Figure 1.

The purpose of this Excavation Summary Report is to document environmental field supervision and community air monitoring conducted by LiRo during excavation and soil handling activities in accordance with LiRo's Excavation Work Plan, dated November 21, 2023, and approved by the New York State Department of Environmental Conservation (NYSDEC) on November 24, 2023.

1.1 Project Description

The project required excavation of a trench from the eastern edge of Building 4 to the watermain located under the sidewalk west of the FDR Drive to access and repair the potable water service connection to Building 4. The trench dimensions were approximately 44 feet in length, 4 feet in width, and 3 feet in depth. An As-Built showing the limits of excavation and location of watermain service line repair is included in Appendix A.

1.2 Site Background

The Site is located on the footprint of the former East 11th Street Manufactured Gas Plant (MGP) site. The 11th Street Works was located on the lower East Side of Manhattan prior to 1903 and continued operation until after 1920 when the structures were removed. The East 11th Street MGP site was located on the north side of East 11th Street and the south side of East 12th Street. The plant grounds extended from the east side of Avenue D to the East River. The plant also extended from Avenue C to the East River on the block bounded by the north side of East 12th Street and the south side of East 13th Street. Today, the buildings located at this site are the Jacob Riis Houses, the Haven Plaza North Co-op Apartments, the New York City Department of Environmental Protection (NYCDEP) pumping station and the grounds of the St. Emeric Roman Catholic Church and School.

2.0 Soil Management

2.1 Soil Stockpiling

Excavated soil was temporarily stockpiled on polyethylene sheeting and covered with sheeting, then loaded into tote bags (i.e. powerpacks) for transport via dump trucks to Clean Earth of Carteret for disposal as non-hazardous waste. Soil stockpiles met the following requirements:

- Soil were screened for signs of petroleum-related contamination (staining or odor). A photoionization detector (PID) was used to screen for organic vapors.
- Excavated soil was placed on a layer of 6-mil polyethylene sheeting and covered. Stockpiled soil was transferred to tote bags for loading for off-site transport and disposal.
- Active stockpiles were covered at the end of daily activities.

Excavated soils did not contain any visual or olfactory evidence of MGP-impacts. A photo log documenting the Soil Management is provided in Appendix B.

2.2 Waste Characterization and Disposal

2.2.1 Waste Characterization

In-Situ waste characterization sampling was performed by LiRo prior to excavation to obtain disposal facility pre-approval from Clean Earth of Carteret. An eight-point composite waste characterization sample was collected by combining four soil samples from two soil borings located in the excavation's path. Each boring was installed to a depth of four feet below grade, and four soil samples were collected by isolating a grab sample from each 1 ft depth interval. The eight individual grab samples were then combined to create an eight-point composite sample from two borings.

Waste characterization samples were analyzed at Alpha Analytical of Westborough, MA (ELAP #11148) under proper chain of custody procedure for the following parameters:

- Resource Conservation and Recovery Act (RCRA) hazardous waste characteristics (ignitability, reactivity, corrosivity);
- Toxicity Characteristic Leaching Procedure (TCLP) for RCRA metals
- Total petroleum hydrocarbons (TPH) Diesel Range Organics;
- Target Compound List (TCL) VOCs via USEPA Method 8260C;
- TCL SVOCs via USEPA Method 8270D;
- Target Analyte List (TAL) Metals and hexavalent chromium via USEPA Method 6010C/7471B;
- Pesticides via USEPA Method 8081B; and
- Polychlorinated biphenyls (PCBs) via USEPA Method 8082A.

Sample containers were marked and identified with labels indicating the project name, sample location, sample ID, the date and time of sampling, preservatives utilized, etc.

The waste characterization laboratory report, a figure showing the sample location, and the corresponding waste characterization approval letter from Clean Earth of Carteret are included in Appendix C.

2.2.2 Disposal

Disposal of 28.65 tons of non-hazardous soil was performed on December 26, 2023 in accordance with applicable Federal, State, and Local statutes and regulations. The non-hazardous waste manifests and corresponding weight tickets from Clean Earth of Carteret are provided in Appendix D. The NYSDEC Waste transport permit for JCC's transporter, Valiant Contracting LLC, is also included in Appendix D.

2.3 On-Site Soil Reuse

Excavated soil was disposed off-site at Clean Earth of Carteret and was not reused onsite as backfill in accordance with a pre-determined beneficial re-use exemption.

2.4 Soil Import

Imported fill sourced from Hunters Point Recycling Facility was sampled, confirmed to meet the NYSDEC 6 NYCRR Part 375 Table 375-6.8(b) Restricted Residential Use soil cleanup objectives (SCOs), and was pre-approved by NYSDEC prior to import and placement by JCC. An estimated 26 CY of backfill was imported and placed onsite (from excavation trench dimensions of 44'x4'x4'). Imported fill characterization, pre-approval from NYSDEC, and documentation of imported fill purchase by JCC from Hunters Point Recycling Facility is provided in Appendix E.

3.0 Community Air Monitoring Plan

The air quality will be monitored during construction-related intrusive work performed at the Site. Real-time air monitoring for VOCs and particulates (i.e., dust) was conducted at locations upwind and downwind of the designated work area when intrusive activities were in progress. Implementation of the CAMP, including continuous real time monitoring was performed during all ground intrusive activities.

Air monitoring equipment was set up, tested, and calibrated in accordance with the manufacturer specification prior to excavation activities. The CAMP stations were set up at the upwind and downwind locations as dictated by the daily wind direction. Designated field personnel were onsite to oversee particulate measurements throughout the day. The initial measurement for the day was collected before the start of work and will establish the background level for that day. The action levels and required responses are described below.

3.1 VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) were monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) during intrusive work. Upwind concentrations were measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work was performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment was calibrated daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment was capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. 4. All 15-minute readings must be recorded and be available for State (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

3.2 Particulate Monitoring, Response Levels, and Actions

Particulate concentrations were monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring was performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers

in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. Fugitive dust migration was visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

3.3 CAMP Data Results

Community Air Monitoring was performed for VOCs and Particulates during intrusive activities on December 14, 15, 19, 20, 21, 22, 26 and 27, 2023.

No exceedances of the CAMP Action Levels were identified throughout the project that required dust or VOC suppression. Field screening of the excavation and upwind and downwind monitoring VOC stations indicated no PID readings above the 5 ppm action level.

Particulate CAMP stations indicated no action level exceedances due to soil handling or off-site dust migration. Isolated corrected downwind concentrations greater than 100 mcg/m3 were attributed to an idling vehicle near the downwind station that were addressed and resolved by relocating the vehicle.

The CAMP data is included in Appendix F.

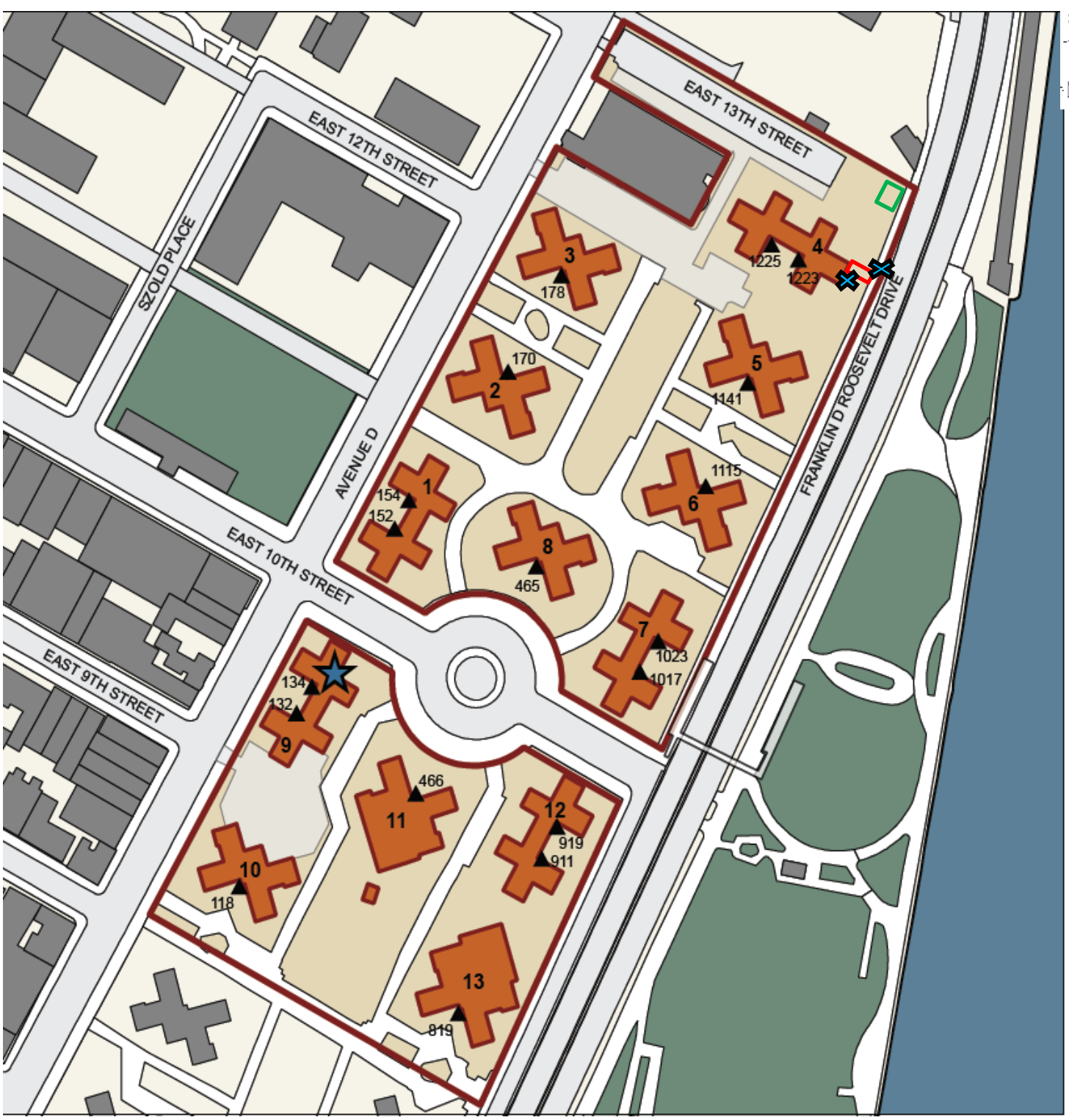
4.0 Summary of Work

This Excavation Summary Report documents emergency response piping repair in compliance with the Excavation Work Plan.

This Excavation Summary Report includes:

- A site survey or as-built drawing showing the excavation limits;
- Manifests for all soil/fill exported from the site as well as associated acceptance letters and facility permits/registrations;
- Truck tickets/manifests for all soils imported for backfill of the excavation with associated analytical data;
- Community air monitoring data collected during intrusive activities; and
- A description of activities performed, including a summary of analytical data collected, quantities of materials imported and exported to the site, disposal facilities and sources of imported fill materials, and any deviations from this Excavation Work Plan.

Figures



0 320 Feet

Legend

- Work Area
- Soil Staging Area
- CAMP Station (Upwind and Downwind Stations, field placement subject to wind direction)

SOURCE: NYCHA Performance Tracking & Analytics Department

LiRo Engineers
235 E. Jericho Turnpike
Mineola, NY 11501
516.595.2900 (P)

NYCHA- JACOB RIIS HOUSES
MANHATTAN, NEW YORK 10009

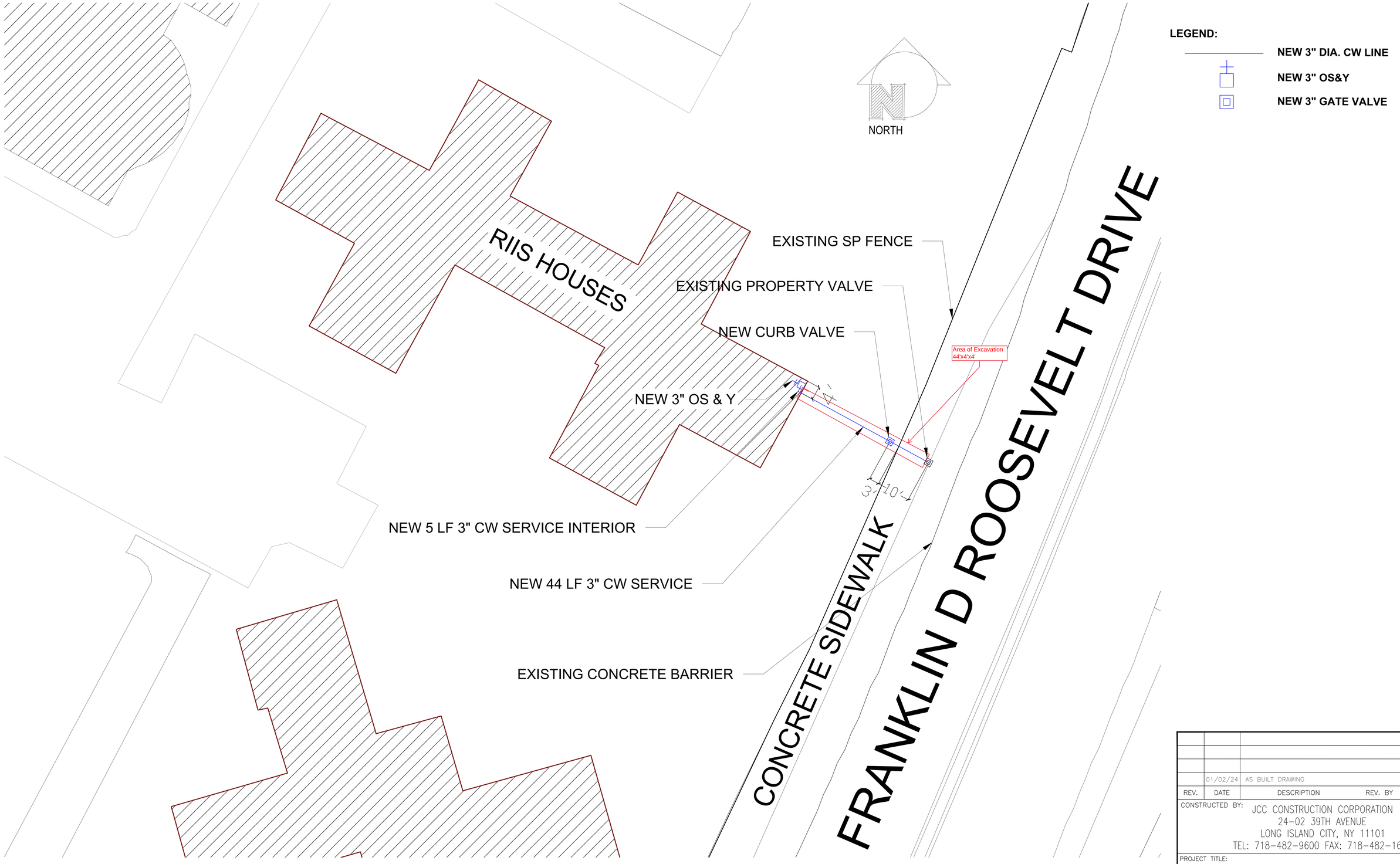
SITE LOCATION MAP

DATE: 1/30/2024

FIGURE 1

Appendices

Appendix A- As-Built Drawing



RIIS HOUSES - COLD WATER LINE

N.T.S.

REV.	DATE	DESCRIPTION	REV. BY	APPR. BY
	01/02/24	AS BUILT DRAWING		

CONSTRUCTED BY:
JCC CONSTRUCTION CORPORATION
24-02 39TH AVENUE
LONG ISLAND CITY, NY 11101
TEL: 718-482-9600 FAX: 718-482-1616

PROJECT TITLE:
RIIS HOUSES –
REPAIR OF DOMESTIC WATER SYSTEM

DRAWING TITLE: AS-BUILT – COLD WATER LINE

DRAWN BY: J.P.M. | CHECKED BY: C.H.

CONTRACTOR'S SIGNATURE:

"I HEREBY CERTIFY THAT THIS AS-BUILT DRAWING IS CORRECT,COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE."

SCALE: AS SHOWN | CONTRACT NO.: 2209543-5

DATE: 01/02/24 | AS-BUILT DWG. NO. | SHEET NO. 1 OF 1

Appendix B- Photographic Log

Photograph Log

Site Name: NYCHA RIIS Houses
Site Address: 1225 FDR Dr, New York, NY
Date of Site Visit: December 14-26, 2023

Photo 1 – View of beginning of excavation.

Photo 2 – View of soil and concrete stockpiled in poly and powerpaks.

Photo 3 – View of temporary soil pile on poly sheeting.

Photo 4 – View of excavation within sidewalk.

Photograph Log

Site Name: NYCHA RIIS Houses
Site Address: 1225 FDR Dr, New York, NY
Date of Site Visit: December 14-26, 2023

Photo 5 – View of excavation near building.

Photo 6 – View of soil in powerpaks being transported.

Photo 7 – Community Air Monitoring station.

Photo 8 – View of soil stockpile covered in poly.

Photograph Log

Site Name: NYCHA RIIS Houses
Site Address: 1225 FDR Dr, New York, NY
Date of Site Visit: December 14-26, 2023

Photo 9 – View of powerpaks being loaded for offsite transport and disposal.

Photo 10 – View of excavator loading soil for offsite transport and disposal.

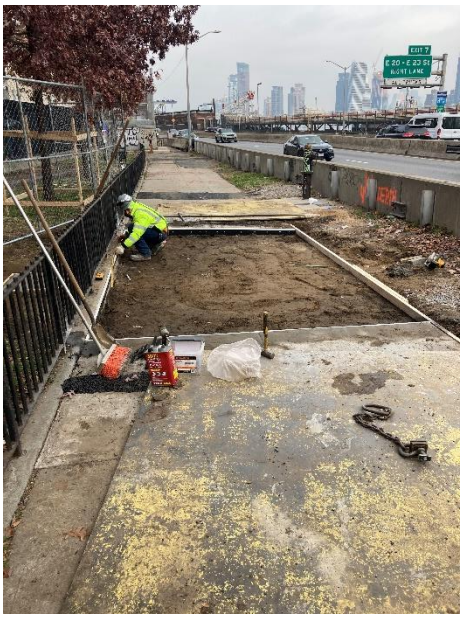


Photo 11- View of concrete framing after compaction prep.

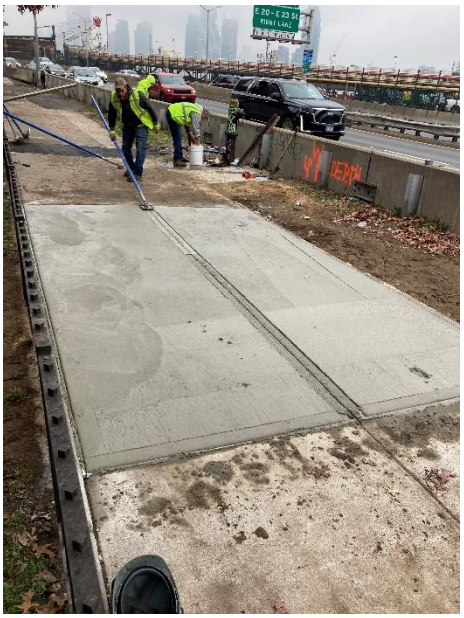


Photo 12 – View of poured concrete sidewalk.

Appendix C- Waste Characterization Documentation

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

December 15, 2023

Jose Roldan
NYCHA
24-02 49th Ave
LIC, NY 11101

RE: New York City School Housing Authority-RIIS Houses
1223 FDR Drive, New York, NY 10009
Approval Volume: 50 cubic yards

Dear Mr.Roldan,

Clean Earth of Carteret, LLC. (CEC) is pleased to provide you with the following approval letter for the soil material being generated from the site referenced above. We reviewed the material profile sheet, sampling map, and analytical results performed by Alpha Analytical (Project Number: L2371971) for the above referenced site. Based upon the review of the data provided, CEC can accept non-hazardous excavated material (NHEM) being generated from the site above.

This letter serves as approval consideration of ~ 50 cubic yards of non-hazardous excavated material (NHEM) represented by waste class sample $ID_{(s)}$: WC-01 and all related grab samples to be generated from construction activities at the site.

Currently CEC has enough analysis on hand to cover estimated quantity of material. The facility is permitted to analyze missing parameters by collecting soil samples from incoming loads. Please note that TPH analysis (every 600 Tons) will be required to comply with CEC's Class B permit. In the essence of saving time, CEC will collect the additional TPH samples as required upon arrival at the facility to meet the CEC analytical requirements. CEC will amend the invoice accordingly.

Please provide the approval number when scheduling and include the approval number and grid location id on all manifests when shipping soils generated from this site. CEC can only accept non-hazardous soils. Any soils with free petroleum product or liquids, sludge's, or hazardous waste cannot be accepted. The generator will be notified of any non-conforming material.

If you should have any questions or require any additional information, please call me at (201)-687-8849.

Sincerely,
Clean Earth of Carteret, LLC
Emma Dangler

Emma Dangler


Waste Characterization Boring #1
Waste Characterization Boring #2
FDR Dr
East River Greenway
Google
Map data ©2023 , Map data ©2023 Google
United States
Terms
Privacy
Send Product Feedback
20 ft

ANALYTICAL REPORT

Lab Number:	L2371971
Client:	The LiRo Group 235 E. Jericho Tpke Mineola, NY 11501
ATTN:	Joshua Levine
Phone:	(516) 595-2908
Project Name:	NYCHA
Project Number:	23-298-0278
Report Date:	12/08/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2371971-01	WC-01	SOIL	NYCHA RIIS HOUSES	12/06/23 10:36	12/06/23

Project Name:	NYCHA	**Lab Number:**	L2371971
Project Number:	23-298-0278	**Report Date:**	12/08/23

Case Narrative

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

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

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

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

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

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

Project Name:	NYCHA	**Lab Number:**	L2371971
Project Number:	23-298-0278	**Report Date:**	12/08/23

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L2371971-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2371971-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Hexavalent Chromium

The WG1860989-2 LCS recovery for chromium, hexavalent (78%), associated with L2371971-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/08/23

ORGANICS

VOLATILES

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/07/23 13:01
Analyst: MAG
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	2.9		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	0.35	J	ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	0.40	J	ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 Date Collected: 12/06/23 10:36

Client ID: WC-01 Date Received: 12/06/23

Sample Location: NYCHA RIIS HOUSES Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	11		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 Date Collected: 12/06/23 10:36

Client ID: WC-01 Date Received: 12/06/23

Sample Location: NYCHA RIIS HOUSES Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 12:00
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1861559-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 12:00
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1861559-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 12:00
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1861559-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1861559-3 WG1861559-4								
Methylene chloride	86		90		70-130	5		30
1,1-Dichloroethane	76		80		70-130	5		30
Chloroform	89		92		70-130	3		30
Carbon tetrachloride	92		94		70-130	2		30
1,2-Dichloropropane	81		84		70-130	4		30
Dibromochloromethane	87		90		70-130	3		30
1,1,2-Trichloroethane	84		87		70-130	4		30
Tetrachloroethene	93		89		70-130	4		30
Chlorobenzene	86		85		70-130	1		30
Trichlorofluoromethane	96		99		70-139	3		30
1,2-Dichloroethane	87		90		70-130	3		30
1,1,1-Trichloroethane	91		93		70-130	2		30
Bromodichloromethane	85		88		70-130	3		30
trans-1,3-Dichloropropene	84		81		70-130	4		30
cis-1,3-Dichloropropene	84		82		70-130	2		30
1,1-Dichloropropene	90		90		70-130	0		30
Bromoform	83		87		70-130	5		30
1,1,2,2-Tetrachloroethane	82		86		70-130	5		30
Benzene	86		88		70-130	2		30
Toluene	84		84		70-130	0		30
Ethylbenzene	84		84		70-130	0		30
Chloromethane	74		78		52-130	5		30
Bromomethane	117		122		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1861559-3 WG1861559-4								
Vinyl chloride	85		89		67-130	5		30
Chloroethane	90		92		50-151	2		30
1,1-Dichloroethene	95		96		65-135	1		30
trans-1,2-Dichloroethene	96		97		70-130	1		30
Trichloroethene	88		89		70-130	1		30
1,2-Dichlorobenzene	83		82		70-130	1		30
1,3-Dichlorobenzene	84		80		70-130	5		30
1,4-Dichlorobenzene	83		79		70-130	5		30
Methyl tert butyl ether	91		95		66-130	4		30
p/m-Xylene	86		83		70-130	4		30
o-Xylene	85		84		70-130	1		30
cis-1,2-Dichloroethene	88		89		70-130	1		30
Dibromomethane	86		91		70-130	6		30
Styrene	82		81		70-130	1		30
Dichlorodifluoromethane	73		80		30-146	9		30
Acetone	73		79		54-140	8		30
Carbon disulfide	93		94		59-130	1		30
2-Butanone	**67**	Q	72		70-130	7		30
Vinyl acetate	73		71		70-130	3		30
4-Methyl-2-pentanone	72		78		70-130	8		30
1,2,3-Trichloropropane	80		86		68-130	7		30
2-Hexanone	**62**	Q	70		70-130	12		30
Bromochloromethane	88		91		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1861559-3 WG1861559-4								
2,2-Dichloropropane	87		82		70-130	6		30
1,2-Dibromoethane	86		89		70-130	3		30
1,3-Dichloropropane	83		86		69-130	4		30
1,1,1,2-Tetrachloroethane	88		88		70-130	0		30
Bromobenzene	83		84		70-130	1		30
n-Butylbenzene	86		77		70-130	11		30
sec-Butylbenzene	86		84		70-130	2		30
tert-Butylbenzene	85		86		70-130	1		30
o-Chlorotoluene	95		94		70-130	1		30
p-Chlorotoluene	83		79		70-130	5		30
1,2-Dibromo-3-chloropropane	83		89		68-130	7		30
Hexachlorobutadiene	83		76		67-130	9		30
Isopropylbenzene	85		86		70-130	1		30
p-Isopropyltoluene	86		81		70-130	6		30
Naphthalene	83		85		70-130	2		30
Acrylonitrile	**67**	Q	73		70-130	9		30
n-Propylbenzene	85		83		70-130	2		30
1,2,3-Trichlorobenzene	84		76		70-130	10		30
1,2,4-Trichlorobenzene	85		72		70-130	17		30
1,3,5-Trimethylbenzene	84		82		70-130	2		30
1,2,4-Trimethylbenzene	84		81		70-130	4		30
1,4-Dioxane	90		96		65-136	6		30
p-Diethylbenzene	85		76		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1861559-3 WG1861559-4								
p-Ethyltoluene	85		81		70-130	5		30
1,2,4,5-Tetramethylbenzene	84		77		70-130	9		30
Ethyl ether	90		95		67-130	5		30
trans-1,4-Dichloro-2-butene	76		72		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 D
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/07/23 13:53
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/07/23 04:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150	J	ug/kg	740	96.	5
1,2,4-Trichlorobenzene	ND		ug/kg	930	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	840	130	5
2-Chloronaphthalene	ND		ug/kg	930	92.	5
1,2-Dichlorobenzene	ND		ug/kg	930	170	5
1,3-Dichlorobenzene	ND		ug/kg	930	160	5
1,4-Dichlorobenzene	ND		ug/kg	930	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	930	250	5
2,4-Dinitrotoluene	ND		ug/kg	930	190	5
2,6-Dinitrotoluene	ND		ug/kg	930	160	5
Fluoranthene	3500		ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	930	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	930	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	93.	5
Hexachlorobutadiene	ND		ug/kg	930	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	840	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	840	120	5
Naphthalene	1900		ug/kg	930	110	5
Nitrobenzene	ND		ug/kg	840	140	5
NDPA/DPA	ND		ug/kg	740	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	930	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	930	320	5
Butyl benzyl phthalate	ND		ug/kg	930	230	5
Di-n-butylphthalate	ND		ug/kg	930	180	5
Di-n-octylphthalate	ND		ug/kg	930	320	5

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 D
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	930	86.	5
Dimethyl phthalate	ND		ug/kg	930	200	5
Benzo(a)anthracene	2800		ug/kg	560	100	5
Benzo(a)pyrene	2700		ug/kg	740	230	5
Benzo(b)fluoranthene	2900		ug/kg	560	160	5
Benzo(k)fluoranthene	830		ug/kg	560	150	5
Chrysene	2900		ug/kg	560	97.	5
Acenaphthylene	2200		ug/kg	740	140	5
Anthracene	1000		ug/kg	560	180	5
Benzo(ghi)perylene	1800		ug/kg	740	110	5
Fluorene	350	J	ug/kg	930	90.	5
Phenanthrene	2600		ug/kg	560	110	5
Dibenzo(a,h)anthracene	440	J	ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	1400		ug/kg	740	130	5
Pyrene	5100		ug/kg	560	93.	5
Biphenyl	180	J	ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	930	170	5
2-Nitroaniline	ND		ug/kg	930	180	5
3-Nitroaniline	ND		ug/kg	930	180	5
4-Nitroaniline	ND		ug/kg	930	380	5
Dibenzofuran	110	J	ug/kg	930	88.	5
2-Methylnaphthalene	1000	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	930	97.	5
Acetophenone	ND		ug/kg	930	120	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	ND		ug/kg	930	140	5
2-Chlorophenol	ND		ug/kg	930	110	5
2,4-Dichlorophenol	ND		ug/kg	840	150	5
2,4-Dimethylphenol	ND		ug/kg	930	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4500	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	450	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	930	140	5
2-Methylphenol	ND		ug/kg	930	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 D
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	930	180	5
Benzoic Acid	ND		ug/kg	3000	940	5
Benzyl Alcohol	ND		ug/kg	930	280	5
Carbazole	140	J	ug/kg	930	90.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	73		18-120

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/07/23 11:58
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 12/07/23 04:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1860796-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/07/23 11:58
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 12/07/23 04:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1860796-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/07/23 11:58
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 12/07/23 04:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1860796-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	92		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1860796-2 WG1860796-3								
Acenaphthene	73		83		31-137	13		50
1,2,4-Trichlorobenzene	72		85		38-107	17		50
Hexachlorobenzene	80		91		40-140	13		50
Bis(2-chloroethyl)ether	71		84		40-140	17		50
2-Chloronaphthalene	77		88		40-140	13		50
1,2-Dichlorobenzene	68		81		40-140	17		50
1,3-Dichlorobenzene	66		80		40-140	19		50
1,4-Dichlorobenzene	67		81		28-104	19		50
3,3'-Dichlorobenzidine	65		74		40-140	13		50
2,4-Dinitrotoluene	78		87		40-132	11		50
2,6-Dinitrotoluene	95		105		40-140	10		50
Fluoranthene	82		92		40-140	11		50
4-Chlorophenyl phenyl ether	76		85		40-140	11		50
4-Bromophenyl phenyl ether	79		90		40-140	13		50
Bis(2-chloroisopropyl)ether	69		80		40-140	15		50
Bis(2-chloroethoxy)methane	73		86		40-117	16		50
Hexachlorobutadiene	73		86		40-140	16		50
Hexachlorocyclopentadiene	66		78		40-140	17		50
Hexachloroethane	66		81		40-140	20		50
Isophorone	76		90		40-140	17		50
Naphthalene	73		85		40-140	15		50
Nitrobenzene	77		91		40-140	17		50
NDPA/DPA	80		90		36-157	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1860796-2 WG1860796-3								
n-Nitrosodi-n-propylamine	78		92		32-121	16		50
Bis(2-ethylhexyl)phthalate	83		94		40-140	12		50
Butyl benzyl phthalate	88		99		40-140	12		50
Di-n-butylphthalate	82		91		40-140	10		50
Di-n-octylphthalate	87		98		40-140	12		50
Diethyl phthalate	78		87		40-140	11		50
Dimethyl phthalate	80		90		40-140	12		50
Benzo(a)anthracene	84		94		40-140	11		50
Benzo(a)pyrene	93		104		40-140	11		50
Benzo(b)fluoranthene	81		96		40-140	17		50
Benzo(k)fluoranthene	85		91		40-140	7		50
Chrysene	82		92		40-140	11		50
Acenaphthylene	79		90		40-140	13		50
Anthracene	84		94		40-140	11		50
Benzo(ghi)perylene	75		82		40-140	9		50
Fluorene	76		88		40-140	15		50
Phenanthrene	80		91		40-140	13		50
Dibenzo(a,h)anthracene	76		84		40-140	10		50
Indeno(1,2,3-cd)pyrene	78		86		40-140	10		50
Pyrene	82		92		35-142	11		50
Biphenyl	82		94		37-127	14		50
4-Chloroaniline	44		**39**	Q	40-140	12		50
2-Nitroaniline	99		112		47-134	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1860796-2 WG1860796-3								
3-Nitroaniline	56		62		26-129	10		50
4-Nitroaniline	78		89		41-125	13		50
Dibenzofuran	76		87		40-140	13		50
2-Methylnaphthalene	77		88		40-140	13		50
1,2,4,5-Tetrachlorobenzene	81		94		40-117	15		50
Acetophenone	83		99		14-144	18		50
2,4,6-Trichlorophenol	94		108		30-130	14		50
p-Chloro-m-cresol	90		102		26-103	13		50
2-Chlorophenol	78		91		25-102	15		50
2,4-Dichlorophenol	85		99		30-130	15		50
2,4-Dimethylphenol	80		94		30-130	16		50
2-Nitrophenol	96		114		30-130	17		50
4-Nitrophenol	83		93		11-114	11		50
2,4-Dinitrophenol	72		86		4-130	18		50
4,6-Dinitro-o-cresol	100		115		10-130	14		50
Pentachlorophenol	92		104		17-109	12		50
Phenol	87		**101**	Q	26-90	15		50
2-Methylphenol	80		91		30-130.	13		50
3-Methylphenol/4-Methylphenol	80		92		30-130	14		50
2,4,5-Trichlorophenol	94		105		30-130	11		50
Benzoic Acid	22		26		10-110	17		50
Benzyl Alcohol	84		96		40-140	13		50
Carbazole	86		96		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1860796-2 WG1860796-3								
1,4-Dioxane	51		66		40-140	26		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		93		25-120
Phenol-d6	83		97		10-120
Nitrobenzene-d5	79		94		23-120
2-Fluorobiphenyl	74		86		30-120
2,4,6-Tribromophenol	99		114		10-136
4-Terphenyl-d14	79		90		18-120

PETROLEUM HYDROCARBONS

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 12/07/23 15:13
Analyst: LMR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/07/23 06:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH (C10-C36)	159000		ug/kg	37000	4260	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 12/07/23 12:28
Analyst: LMR

Extraction Method: EPA 3546
Extraction Date: 12/06/23 09:12

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1860394-1					
TPH (C10-C36)	4180	J	ug/kg	32700	3760

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1860394-2								
TPH (C10-C36)	72		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	66				40-140

PCBS

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/08/23 10:05
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/07/23 05:38
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.8	4.95	1	A
Aroclor 1221	ND		ug/kg	55.8	5.59	1	A
Aroclor 1232	ND		ug/kg	55.8	11.8	1	A
Aroclor 1242	ND		ug/kg	55.8	7.52	1	A
Aroclor 1248	ND		ug/kg	55.8	8.36	1	A
Aroclor 1254	ND		ug/kg	55.8	6.10	1	A
Aroclor 1260	19.1	J	ug/kg	55.8	10.3	1	A
Aroclor 1262	ND		ug/kg	55.8	7.08	1	A
Aroclor 1268	7.37	J	ug/kg	55.8	5.78	1	A
PCBs, Total	26.5	J	ug/kg	55.8	4.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/08/23 10:13
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/07/23 01:33
Cleanup Method: EPA 3665A
Cleanup Date: 12/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1860747-1						
Aroclor 1016	ND		ug/kg	47.3	4.20	A
Aroclor 1221	ND		ug/kg	47.3	4.74	A
Aroclor 1232	ND		ug/kg	47.3	10.0	A
Aroclor 1242	ND		ug/kg	47.3	6.38	A
Aroclor 1248	ND		ug/kg	47.3	7.10	A
Aroclor 1254	ND		ug/kg	47.3	5.18	A
Aroclor 1260	ND		ug/kg	47.3	8.75	A
Aroclor 1262	ND		ug/kg	47.3	6.01	A
Aroclor 1268	ND		ug/kg	47.3	4.90	A
PCBs, Total	ND		ug/kg	47.3	4.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1860747-2 WG1860747-3									
Aroclor 1016	88		88		40-140	0		50	A
Aroclor 1260	84		86		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		82		30-150	A
Decachlorobiphenyl	80		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	B
Decachlorobiphenyl	77		75		30-150	B

PESTICIDES

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/07/23 17:52
Analyst: JAG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/07/23 05:41
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND	IP	ug/kg	0.879	0.394	1	B
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	1.09	J	ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.769	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	4.29		ug/kg	1.10	0.549	1	A
4,4'-DDE	8.54		ug/kg	1.76	0.406	1	B
4,4'-DDD	1.18	JIP	ug/kg	1.76	0.627	1	B
4,4'-DDT	27.3		ug/kg	1.76	1.41	1	B
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	6.75	IP	ug/kg	2.20	0.612	1	B
trans-Chlordane	8.56		ug/kg	2.20	0.580	1	A
Chlordane	46.4		ug/kg	14.6	5.82	1	A

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 Date Collected: 12/06/23 10:36

Client ID: WC-01 Date Received: 12/06/23

Sample Location: NYCHA RIIS HOUSES Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/07/23 17:19
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 12/07/23 02:20
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1860768-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.644	0.288	A
Alpha-BHC	ND		ug/kg	0.644	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.586	A
Heptachlor	ND		ug/kg	0.772	0.346	A
Aldrin	ND		ug/kg	1.54	0.544	A
Heptachlor epoxide	ND		ug/kg	2.90	0.869	A
Endrin	ND		ug/kg	0.644	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.676	A
Endrin ketone	ND		ug/kg	1.54	0.398	A
Dieldrin	ND		ug/kg	0.965	0.483	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.551	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.644	0.306	A
Methoxychlor	ND		ug/kg	2.90	0.901	A
Toxaphene	ND		ug/kg	29.0	8.11	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.510	A
Chlordane	ND		ug/kg	12.9	5.12	A

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/07/23 17:19
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 12/07/23 02:20
Cleanup Method: EPA 3620B
Cleanup Date: 12/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1860768-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1860768-2 WG1860768-3									
Delta-BHC	87		102		30-150	16		30	A
Lindane	87		102		30-150	16		30	A
Alpha-BHC	84		98		30-150	15		30	A
Beta-BHC	85		99		30-150	15		30	A
Heptachlor	84		96		30-150	13		30	A
Aldrin	85		98		30-150	14		30	A
Heptachlor epoxide	85		98		30-150	14		30	A
Endrin	89		102		30-150	14		30	A
Endrin aldehyde	74		84		30-150	13		30	A
Endrin ketone	86		101		30-150	16		30	A
Dieldrin	95		110		30-150	15		30	A
4,4'-DDE	88		101		30-150	14		30	A
4,4'-DDD	93		109		30-150	16		30	A
4,4'-DDT	90		103		30-150	13		30	A
Endosulfan I	84		95		30-150	12		30	A
Endosulfan II	85		100		30-150	16		30	A
Endosulfan sulfate	85		98		30-150	14		30	A
Methoxychlor	89		98		30-150	10		30	A
cis-Chlordane	81		93		30-150	14		30	A
trans-Chlordane	99		111		30-150	11		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1860768-2 WG1860768-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		77		30-150	A
Decachlorobiphenyl	61		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		84		30-150	B
Decachlorobiphenyl	76		85		30-150	B

METALS

Project Name: NYCHA
Lab Number: L2371971
Project Number: 23-298-0278
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES
Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%
TCLP/SPLP Ext. Date: 12/07/23 05:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Barium, TCLP	0.516		mg/l	0.500	0.0210	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Lead, TCLP	0.0655	J	mg/l	0.500	0.0270	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Mercury, TCLP	0.0006	J	mg/l	0.0010	0.0005	1	12/08/23 09:07	12/08/23 11:47	EPA 7470A	1,7470A	GMG
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	12/08/23 09:15	12/08/23 14:03	EPA 3015	1,6010D	CEY

Project Name: NYCHA **Lab Number:** L2371971

Project Number: 23-298-0278 **Report Date:** 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01 Date Collected: 12/06/23 10:36

Client ID: WC-01 Date Received: 12/06/23

Sample Location: NYCHA RIIS HOUSES Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5550		mg/kg	8.78	2.37	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Antimony, Total	0.853	J	mg/kg	4.39	0.334	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.36		mg/kg	0.878	0.182	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Barium, Total	68.0		mg/kg	0.878	0.153	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.400	J	mg/kg	0.439	0.029	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.189	J	mg/kg	0.878	0.086	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Calcium, Total	10000		mg/kg	8.78	3.07	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Chromium, Total	14.7		mg/kg	0.878	0.084	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.86		mg/kg	1.76	0.146	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Copper, Total	47.9		mg/kg	0.878	0.226	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Iron, Total	13200		mg/kg	4.39	0.793	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Lead, Total	145		mg/kg	4.39	0.235	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Magnesium, Total	3530		mg/kg	8.78	1.35	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Manganese, Total	173		mg/kg	0.878	0.140	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Mercury, Total	0.272		mg/kg	0.073	0.047	1	12/07/23 09:10	12/07/23 13:16	EPA 7471B	1,7471B	GMG
Nickel, Total	14.8		mg/kg	2.19	0.212	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Potassium, Total	547		mg/kg	219	12.6	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.76	0.226	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.439	0.248	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Sodium, Total	104	J	mg/kg	176	2.76	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.76	0.276	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Vanadium, Total	22.8		mg/kg	0.878	0.178	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC
Zinc, Total	107		mg/kg	4.39	0.257	2	12/07/23 08:30	12/07/23 13:45	EPA 3050B	1,6010D	DMC

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1859910-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/07/23 09:10	12/07/23 12:34	1,7471B	GMG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1860797-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Iron, Total	0.424	J	mg/kg	2.00	0.361	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/07/23 08:30	12/07/23 10:36	1,6010D	DMC

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1861354-1										
Arsenic, TCLP	ND		mg/l	1.00	0.0190	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Barium, TCLP	ND		mg/l	0.500	0.0210	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Cadmium, TCLP	ND		mg/l	0.100	0.0100	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Chromium, TCLP	ND		mg/l	0.200	0.0210	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Lead, TCLP	0.0323	J	mg/l	0.500	0.0270	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Selenium, TCLP	ND		mg/l	0.500	0.0350	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY
Silver, TCLP	ND		mg/l	0.100	0.0280	1	12/08/23 09:15	12/08/23 13:40	1,6010D	CEY

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 12/06/23 05:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1861355-1										
Mercury, TCLP	0.0006	J	mg/l	0.0010	0.0005	1	12/08/23 09:07	12/08/23 11:41	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 12/06/23 05:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYCHA

Project Number: 23-298-0278

Lab Number: L2371971

Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1859910-2 SRM Lot Number: D122-540								
Mercury, Total	97		-		73-127	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYCHA

Project Number: 23-298-0278

Lab Number: L2371971

Report Date: 12/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1860797-2 SRM Lot Number: D122-540					
Aluminum, Total	73	-	52-148	-	
Antimony, Total	161	-	6-194	-	
Arsenic, Total	101	-	81-119	-	
Barium, Total	96	-	83-117	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	101	-	83-117	-	
Calcium, Total	98	-	83-117	-	
Chromium, Total	96	-	82-118	-	
Cobalt, Total	98	-	84-117	-	
Copper, Total	92	-	84-116	-	
Iron, Total	92	-	65-135	-	
Lead, Total	99	-	83-117	-	
Magnesium, Total	86	-	80-120	-	
Manganese, Total	95	-	82-118	-	
Nickel, Total	101	-	83-117	-	
Potassium, Total	89	-	76-123	-	
Selenium, Total	102	-	81-119	-	
Silver, Total	105	-	80-120	-	
Sodium, Total	102	-	75-125	-	
Thallium, Total	102	-	81-119	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYCHA

Project Number: 23-298-0278

Lab Number: L2371971

Report Date: 12/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1860797-2 SRM Lot Number: D122-540					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1861354-2					
Arsenic, TCLP	105	-	75-125	-	20
Barium, TCLP	103	-	75-125	-	20
Cadmium, TCLP	99	-	75-125	-	20
Chromium, TCLP	102	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	101	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1861355-2					
Mercury, TCLP	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1859910-5 WG1859910-6 QC Sample: L2371279-01 Client ID: MS Sample												
Mercury, Total	0.058J	1.54	1.60	104		1.60	104		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1860797-3 QC Sample: L2371860-01 Client ID: MS Sample										
Aluminum, Total	5180	220	5280	**45**	Q	-	-	75-125	-	20
Antimony, Total	3.29	55.1	58.2	100		-	-	75-125	-	20
Arsenic, Total	24.0	13.2	38.9	113		-	-	75-125	-	20
Barium, Total	104	220	315	96		-	-	75-125	-	20
Beryllium, Total	0.509	5.51	6.04	100		-	-	75-125	-	20
Cadmium, Total	1.06	5.84	6.31	90		-	-	75-125	-	20
Calcium, Total	21300	1100	14600	**0**	Q	-	-	75-125	-	20
Chromium, Total	12.2	22	30.6	83		-	-	75-125	-	20
Cobalt, Total	5.56	55.1	56.4	92		-	-	75-125	-	20
Copper, Total	75.2	27.6	100	90		-	-	75-125	-	20
Iron, Total	15800	110	14800	**0**	Q	-	-	75-125	-	20
Lead, Total	364	58.4	324	**0**	Q	-	-	75-125	-	20
Magnesium, Total	2430	1100	3170	**67**	Q	-	-	75-125	-	20
Manganese, Total	249	55.1	243	**0**	Q	-	-	75-125	-	20
Nickel, Total	16.0	55.1	66.7	92		-	-	75-125	-	20
Potassium, Total	978	1100	1960	89		-	-	75-125	-	20
Selenium, Total	0.500J	13.2	14.1	107		-	-	75-125	-	20
Silver, Total	0.229J	5.51	5.80	105		-	-	75-125	-	20
Sodium, Total	351	1100	1390	94		-	-	75-125	-	20
Thallium, Total	ND	13.2	11.8	89		-	-	75-125	-	20
Vanadium, Total	42.7	55.1	71.7	**53**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1860797-3 QC Sample: L2371860-01 Client ID: MS Sample										
Zinc, Total	506	55.1	529	**42**	Q	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1861354-3 QC Sample: L2371971-01 Client ID: WC-01										
Arsenic, TCLP	ND	1.2	1.18	98		-	-	75-125	-	20
Barium, TCLP	0.516	20	18.8	91		-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.498	94		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.92	96		-	-	75-125	-	20
Lead, TCLP	0.0655J	5.3	4.94	93		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.15	96		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.480	96		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1861355-3 QC Sample: L2371971-01 Client ID: WC-01										
Mercury, TCLP	0.0006J	0.025	0.0240	96		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1860797-4 QC Sample: L2371860-01 Client ID: DUP Sample						
Arsenic, Total	24.0	17.4	mg/kg	**32**	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1861354-4 QC Sample: L2371971-01 Client ID: WC-01						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.516	0.516	mg/l	0		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.0655J	0.0685J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1861355-4 QC Sample: L2371971-01 Client ID: WC-01						
Mercury, TCLP	0.0006J	ND	mg/l	NC		20

Project Name: NYCHA
Project Number: 23-298-0278

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1860797-6 QC Sample: L2371860-01 Client ID: DUP Sample						
Arsenic, Total	24.0	23.8	mg/kg	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES
Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	12/08/23 16:41	1,1030	GEF

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

SAMPLE RESULTS

Lab ID: L2371971-01
Client ID: WC-01
Sample Location: NYCHA RIIS HOUSES

Date Collected: 12/06/23 10:36
Date Received: 12/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/07/23 09:25	121,2540G	GAG
pH (H)	9.00		SU	-	NA	1	-	12/07/23 22:06	1,9045D	AAS
Chromium, Hexavalent	ND		mg/kg	0.920	0.184	1	12/07/23 09:19	12/07/23 14:34	1,7196A	RDS
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/07/23 11:23	12/07/23 14:38	125,7.3	JLB
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/07/23 11:23	12/07/23 14:56	125,7.3	JLB

Project Name: NYCHA
Project Number: 23-298-0278
Lab Number: L2371971
Report Date: 12/08/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1860915-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	12/07/23 11:23	12/07/23 14:34	125,7.3	JLB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1860919-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	12/07/23 11:23	12/07/23 14:52	125,7.3	JLB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1860989-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	12/07/23 09:19	12/07/23 14:34	1,7196A	RDS

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYCHA

Project Number: 23-298-0278

Lab Number: L2371971

Report Date: 12/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1860915-2								
Cyanide, Reactive	95		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1860919-2								
Sulfide, Reactive	95		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1860989-2								
Chromium, Hexavalent	**78**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1861231-1								
pH	100		-		99-101	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1860989-4 QC Sample: L2371971-01 Client ID: WC-01												
Chromium, Hexavalent	ND	1160	1150	99		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1860915-3 QC Sample: L2371988-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1860919-3 QC Sample: L2371988-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1860930-1 QC Sample: L2371273-01 Client ID: DUP Sample						
Solids, Total	90.6	90.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1860989-6 QC Sample: L2371971-01 Client ID: WC-01						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1861231-2 QC Sample: L2371273-01 Client ID: DUP Sample						
pH	9.27	8.95	SU	4		5

Project Name: NYCHA
Project Number: 23-298-0278

Lab Number: L2371971
Report Date: 12/08/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2371971-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2371971-01B	Vial water preserved	A	NA		2.6	Y	Absent	07-DEC-23 04:31	NYTCL-8260HLW(14)
L2371971-01C	Vial water preserved	A	NA		2.6	Y	Absent	07-DEC-23 04:31	NYTCL-8260HLW(14)
L2371971-01D	Plastic 120ml unpreserved	A	NA		2.6	Y	Absent		TS(7)
L2371971-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2371971-01F	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),REACTS(14),IGNIT-1030(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),TPH-DRO-D(14),REACTCN(14),HEXCR-7196(30)
L2371971-01G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),REACTS(14),IGNIT-1030(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),TPH-DRO-D(14),REACTCN(14),HEXCR-7196(30)
L2371971-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2371971-01X9	Tumble Vessel	A	NA		2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	NYCHA	**Lab Number:**	L2371971
Project Number:	23-298-0278	**Report Date:**	12/08/23

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	NYCHA	**Lab Number:**	L2371971
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Footnotes

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

Terms

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

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

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

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

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

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NYCHA	**Lab Number:**	L2371971
Project Number:	23-298-0278	**Report Date:**	12/08/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	NYCHA	**Lab Number:**	L2371971
Project Number:	23-298-0278	**Report Date:**	12/08/23

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

CHAIN OF COUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 12/7/23

ALPHA Job #: L2371971

Project Information

Project Name: NYCHA

Project Location: NYCHA Riis Houses

Project #: 23-298-0278

Project Manager: Josh Levine

ALPHA Quote #:

Client Information

Client: LiRo Engineers, Inc

Address: 235 E Jericho Turnpike

Mineola, NY, 11501

Phone: 516-746-2350

Fax:

Email: levinej@liro.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time: 48 Hr TAT

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program NY

Criteria Part 275 SCOs

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
(If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed. (Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs via 8260D	NJ-TPH-DRO	TCL SVOCs via 8270	PCBs and Pesticides via 8082A	TAL Metals via 6010D/7471B	RCRA Characteristics	Hex CR	TCLP Metals					Sample Specific Comments	TOTAL # BOTTLES
71971-01	WC-01	12/6/23	10:36	S	RH	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

PLEASE ANSWER QUESTIONS ABOVE!

Container Type	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 20-JAN-2010)

Relinquished By:	Date/Time	Received By:	Date/Time
Ross Hernandez	12/6/2023 10:30	[signature] AAL	12-6-23 1600
[signature] AAL	12-6-23 1817	[signature]	12/6/23 19:20
[signature]	12/6/23	[signature] AAL	12/6 22:00
[signature] AAL	12/7 600	[signature]	12/7/23 0100

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

Appendix D- Waste Disposal Manifests

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 3318168

	Date	Time	Scale
In:	12/26/2023	09:19:14	CEC
Out:	12/26/2023	09:19:14	CEC

Manifest: 2986631
Vehicle: 07val305
Decal:

	Lbs.	Tns
Gross:	69,660	34.83
Tare:	29,340	14.67
Net:	40,320	20.16

Customer: JCC Construction Corp.
Generator: NYCHA
Address: 24-02 49th Ave.
Long Island City, NY
11101

Carrier: Valiant Contracting LLC
Profile #: 233072100
Job: NYCHA-RIIS Houses
Address: 1223 FDR Drive

NEW YORK, NY 10009

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2986631

GLOBAL JOB NUMBER: 1016596 **FACILITY APPROVAL NUMBER:** 233072100

Please Check One:

☑ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 J Caldwell Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYCHA-RIIS Houses		
1223 FDR Drive	TARE WEIGHT: ☐Tons ☐Yards	
New York, NY 10009		
GENERATOR'S PHONE: Chris 201-248-5615	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Will Hamilton Title: As agent and on behalf of NYCHA

Signature: Will Hamilton Date and Time: 12-26-23 815

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5668

Address: 226 Prospect Point Road, Lk Hopatcong, NJ 07849 Truck # and License Plate: 305 AY912F

Driver: CARLOS R. PEREZ (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12-26-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12-26-23

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: NB Date and Time: 12/26/23

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

Clean Earth of Carteret
24 Middlesex Ave
Carteret, NJ 07008
Ph: Fax:

Ticket: 3320644

	Date	Time	Scale
In:	12/26/2023	09:49:03	CEC
Out:	12/26/2023	09:49:03	CEC

Manifest: 2986632
Vehicle: 07Val313
Decal:

	Lbs.	Tns
Gross:	45,960	22.98
Tare:	28,980	14.49
Net:	16,980	8.49

Customer: JCC Construction Corp.
Generator: NYCHA
Address: 24-02 49th Ave.
Long Island City, NY
11101

Carrier: Valiant Contracting LLC
Profile #: 233072100
Job: NYCHA-RIIS Houses
Address: 1223 FDR Drive

NEW YORK, NY 10009

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Carteret

Jesus Serrano

CleanEarth

Manifest # 2986632

GLOBAL JOB NUMBER: 1016596 **FACILITY APPROVAL NUMBER:** 233072100

Please Check One:

- ☑ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 J Caldwell Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYCHA-RIIS Houses		
1223 FDR Drive	TARE WEIGHT: ☐Tons ☐Yards	
New York, NY 10009		
GENERATOR'S PHONE: Chris 201-248-5615	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: William Hamilton Title: As agent and on behalf of NYCHA

Signature: Wm Ham Date and Time: 12-26-23 830

TRANSPORTER

Company: Valiant Contracting, LLC Phone Number: 973-234-5668

Address: 226 Prospect Point Road, Lk Hopatcong, NJ 07849 Truck # and License Plate: 313 — AY192P

Driver: Carlos Perez Jr. SW Haulers Permit #: 896

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 12/26/23 — 8:21am

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 12126123 — 9:50am

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 12-26-23

FACILITY

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS	EFFECTIVE DATE:	03/13/2023
COUNTY:	VALIANTE JR	EXPIRATION DATE:	**03/12/2024**
TELEPHONE NO:	OUT OF STATE (973)234-5668	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BELLMAWR WATERFRONT DEVELOPMENT	BELLMAWR , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BETHLEHEM EARTH, LP	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BLOOMING GLEN QUARRY	PERKASIE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX	COLUMBUS , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BUY THE LOAD	POCONO SUMMIT , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CAPE MAY CO. MUA	WOODBINE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CAPITAL DEVELOPMENT	E. BANGOR , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2023.03.15 15:26:38 -04'00' Date: ____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle used to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for any change to the permit.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department by March 1 of each year.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS
COUNTY: VALIANTE JR
TELEPHONE NO: OUT OF STATE (973)234-5668

EFFECTIVE DATE: 03/13/2023
EXPIRATION DATE: **03/12/2024**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CLEAN EARTH OF CARTERET	CARTERET , NJ	Petroleum Contaminated Soil	
CLEAN EARTH OF MARYLAND	HAGERSTOWN , MD	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COMMONWEALTH ENVIRONMENTAL SYSTEMS, LP	HEGINS , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
COPLAY AGGREGATES	WHITEHALL , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY LF-NEWBURG	NEWBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Dale Transfer Corp	West Babylon , NY	Non-Hazardous Industrial/Commercial	
DELAWARE COUNTY SWA - ROLLING HILLS LF	BOYERTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
EARTH EFFICIENT HARMONY (PLANT #1 BELVIDERE RD)	PHILLIPSBURG , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT HARMONY (PLANT #2 FOUL RIFT)	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT MSM LLC	EAST STROUDSBURG , PA	Non-Hazardous Industrial/Commercial	
ESMI OF NEW JERSEY	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
EVERGREEN RECYCLING OF CORONA, INC	FLUSHING , NY	Non-Hazardous Industrial/Commercial	
FAIRLESS LANDFILL (PA DEP 101699)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS	EFFECTIVE DATE:	03/13/2023
COUNTY:	VALIANTE JR	EXPIRATION DATE:	**03/12/2024**
TELEPHONE NO:	OUT OF STATE (973)234-5668	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
FORMER NJ ZINC WEST PLANT, PHASE III	PALMERTON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FREEMANSBURG RESTORATION FACILITY	FREEMANSBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GERDAU AMERISTEEL PERTH AMBOY MILL/ANACONDA COOPER SITE	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GREENVIEW	STROUDSBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GROWS LANDFILL NORTH (PA DEP 101680)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HAZLETON CREEK PROPERTIES, LLC	HAZLETON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HENRY HARRIS SLF (ALHERN, INC.)	MULLICA HILL , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HOFFMAN GRIFFETT MINE RECLAMATION FACILITY	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Hunters Point Recycling Inc	Long Island City , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
JERC PARTNERS VII/LLC	EDISON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
KEARNY POINT INDUSTRIAL PARK (KPIP)	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
KINGSLAND LANDFILL CLOSURE PROJECT	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MALANKA (MALL) LANDFILL	SECAUCUS , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MBC Contractors Inc (Hudson River Views Ind. Park)	Stony Point , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MID ATLANTIC RECYCLING TECHNOLOGIES	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MONMOUTH COUNTY RECLAMATION CENTER	TINTON FALLS , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS	EFFECTIVE DATE:	03/13/2023
COUNTY:	VALIANTE JR	EXPIRATION DATE:	**03/12/2024**
TELEPHONE NO:	OUT OF STATE (973)234-5668	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
New York Recycling LLC	Bronx , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
OVERPECK PARK LANDFILL AREA IV	PALISADES PARK , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
P PARK NORTH LLC	PROSPECT PARK , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Posillico Materials	Farmingdale , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE EARTH RECYCLING	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL @ PERTH AMBOY	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Richmond Recycling LLC	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
ROCKRETE RECYCLING	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
RODOTA FILL SITE	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SALEM COUNTY IMPROVEMENT AUTHORITY	ALLOWAY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TETERBORO LANDING	TETERBORO , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TREMLEY POINT FLY ASH DISPOSAL SITE	LINDEN , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TULLYTOWN RESOURCE RECOVERY FACILITY (PA DEP 101494)	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS	EFFECTIVE DATE:	03/13/2023
COUNTY:	VALIANTE JR	EXPIRATION DATE:	**03/12/2024**
TELEPHONE NO:	OUT OF STATE (973)234-5668	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
TUXEDO FARMS - EAST TERRENCE	SLOATSBURG , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WALTER R. EARLE RECYCLING CORP.	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WESTERN BERKS LANDFILL	BIRDSBORO , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-896

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

VALIANT CONTRACTING, LLC
226 PROSPECT POINT ROAD
LAKE HOPATCONG, NJ 07849

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	THOMAS JUSKUS/WILLIAM TAYLOR/THOMAS	EFFECTIVE DATE:	03/13/2023
COUNTY:	VALIANTE JR	EXPIRATION DATE:	**03/12/2024**
TELEPHONE NO:	OUT OF STATE (973)234-5668	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

45 (Forty Five) Permitted Vehicle(s)

NJ AS437Y
NJ AU507Z
NJ AU903Y
NJ AU917Z
NJ AU918Z
NJ AU919Z
NJ AW105H
NJ AW106H
NJ AW125K
NJ AW201N
NJ AW202N
NJ AW246M
NJ AW308V
NJ AW359R
NJ AW360R
NJ AW383F
NJ AW524G
NJ AW525G
NJ AW562M
NJ AW602S
NJ AW603S
NJ AW640M
NJ AW663S
NJ AW664S
NJ AW786E
NJ AW947V
NJ AW948V
NJ AX115W
NJ AX116W
NJ AX281E
NJ AX282E
NJ AX283E
NJ AX675K
NJ AX676K
NJ AX677K
NJ AX874Y
NJ AX875Y
NJ AY115A
NJ AY398C
NJ AY399C
NJ AY901C
NJ AY902C
NJ AY903C
NJ AY904C
NJ AY912F
End of List

Appendix E- Imported Backfill Documentation

Technical Report

prepared for:

Hunters Point Recycling
29-55 Hunters Point Ave
Long Island City NY, 11101
Attention: Joe Pego

Report Date: 11/29/2023
Client Project ID: Hunters Point Recycle LIC Queens County
York Project (SDG) No.: 23K1322

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 11/29/2023
Client Project ID: Hunters Point Recycle LIC Queens County
York Project (SDG) No.: 23K1322

Hunters Point Recycling
29-55 Hunters Point Ave
Long Island City NY, 11101
Attention: Joe Pego

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 November 20, 2023 and listed below. The project was identified as your project: **Hunters Point Recycle LIC Queens County**.

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	Client Sample ID	Matrix	Date Collected	Date Received
23K1322-01	FILL VOC Grab	Soil	11/20/2023	11/20/2023
23K1322-02	FILL Comp 6 Grabs	Soil	11/20/2023	11/20/2023

General Notes for York Project (SDG) No.: 23K1322

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:  **Date:** 11/29/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: FILL VOC Grab

York Sample ID: 23K1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
78-87-5	1,2-Dichloropropane	ND	CCVE	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS
123-91-1	1,4-Dioxane	ND	ICVE	mg/kg dry	0.053	0.11	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	SS

Sample Information

Client Sample ID: FILL VOC Grab

York Sample ID: 23K1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-10-1	4-Methyl-2-pentanone	ND	ICVE, QL-02	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	Acetone	ND	ICVE	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: FILL VOC Grab

York Sample ID: 23K1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/26/2023 20:49	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/26/2023 20:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/26/2023 20:49	SS
75-09-2	**Methylene chloride**	**0.010**	J, B	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	11/26/2023 20:49	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	11/26/2023 20:49	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	11/26/2023 20:49	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
100-42-5	Styrene	ND	QL-02	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/26/2023 20:49	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications:	11/26/2023 08:00 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/26/2023 20:49	SS

Sample Information

Client Sample ID: FILL VOC Grab **York Sample ID:** 23K1322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.1 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		mg/kg dry			1	EPA 8260C Certifications:	11/26/2023 08:00	11/26/2023 20:49	SS

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.1**		%	0.100	1	SM 2540G Certifications: CTDOH-PH-0723	11/29/2023 06:38	11/29/2023 10:23	VR

Sample Information

Client Sample ID: FILL Comp 6 Grabs **York Sample ID:** 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/27/2023 07:56	11/29/2023 00:30	KH-
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/27/2023 07:56	11/29/2023 00:30	KH-
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/27/2023 07:56	11/29/2023 00:30	KH-
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,PADEP-68-04440	11/27/2023 07:56	11/29/2023 00:30	KH-
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/27/2023 07:56	11/29/2023 00:30	KH-

Sample Information

Client Sample ID: FILL Comp 6 Grabs

York Sample ID: 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 NELAC-NY10854,PADEP-68-04440	11/29/2023 00:30	KH-
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 NELAC-NY10854,PADEP-68-04440	11/29/2023 00:30	KH-
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/29/2023 00:30	KH-
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
51-28-5	2,4-Dinitrophenol	ND	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
121-14-2	2,4-Dinitrotoluene	ND	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	11/29/2023 00:30	KH-
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
534-52-1	4,6-Dinitro-2-methylphenol	ND	CAL-E	mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/29/2023 00:30	KH-

Sample Information

Client Sample ID: FILL Comp 6 Grabs

York Sample ID: 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
62-53-3	Aniline	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
120-12-7	**Anthracene**	**0.0845**	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.353	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440
56-55-3	**Benzo(a)anthracene**	**0.362**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
50-32-8	**Benzo(a)pyrene**	**0.369**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
205-99-2	**Benzo(b)fluoranthene**	**0.325**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
191-24-2	**Benzo(g,h,i)perylene**	**0.250**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
207-08-9	**Benzo(k)fluoranthene**	**0.259**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
65-85-0	Benzoic acid	ND	CAL-E, CCVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
108-60-1	Bis(2-chloroisopropyl)ether	ND	CCVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0753**	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04

Sample Information

Client Sample ID: FILL Comp 6 Grabs

York Sample ID: 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
218-01-9	**Chrysene**	**0.351**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
53-70-3	**Dibenzo(a,h)anthracene**	**0.0823**	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
117-84-0	Di-n-octyl phthalate	ND	CAL-E	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
206-44-0	**Fluoranthene**	**0.653**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
77-47-4	Hexachlorocyclopentadiene	ND	CCVE, ICVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.266**		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-20-3	**Naphthalene**	**0.0619**	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
62-75-9	N-Nitrosodimethylamine	ND	CCVE	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications:	11/27/2023 07:56	11/29/2023 00:30	KH- CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: FILL Comp 6 Grabs

York Sample ID: 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	**Phenanthrene**	**0.342**		mg/kg dry	0.0441	0.0880	2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	**Pyrene**	**0.681**		mg/kg dry	0.0441	0.0880	2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.353	2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
	*** Benzo(a)pyrene (BAP) Equivalent-BAPE**	**0.476**		mg/kg dry			2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.1 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*48.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*51.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*74.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.5 %*	*24-116*

Semi-Volatiles, Parathion by 8270

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-38-2	Parathion	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:	NELAC-NY10854		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*49.1 %*	*20-108*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*48.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*51.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*52.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*74.4 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.5 %*	*24-116*

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		mg/kg dry			2	EPA 8270D	11/27/2023 07:56	11/29/2023 00:30	KH-
								Certifications:			

Pesticides, NJDEP/TCL List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **FILL Comp 6 Grabs** **York Sample ID:** **23K1322-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-29-3	**4,4'-DDT**	**0.00362**		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5103-71-9	**alpha-Chlordane**	**0.00356**		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	NELAC-NY10854,NJDEP-CT005		
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
57-74-9	**Chlordane, total**	**0.0289**		mg/kg dry	0.00353	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
60-57-1	**Dieldrin**	**0.00373**		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5566-34-7	**gamma-Chlordane**	**0.00364**		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	NELAC-NY10854,NJDEP-CT005		
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
8001-35-2	Toxaphene	ND		mg/kg dry	0.0893	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
57-74-9	* Chlordane, total (alpha, gamma)	ND		mg/kg dry	0.00177	5	EPA 8081B	11/27/2023 08:13	11/28/2023 21:37	BCJ
							Certifications:			

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: FILL Comp 6 Grabs **York Sample ID:** 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Pesticides, NJDEP/TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*79.1 %*			*30-140*					
2051-24-3	*Surrogate: Decachlorobiphenyl*	*101 %*			*30-140*					

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13 NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044	11/28/2023 12:28	BCJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	11/27/2023 08:13	11/28/2023 12:28	BCJ

Surrogate Recoveries		Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*80.0 %*	*30-140*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total EPH	ND		mg/kg dry	53.1	1	NJDEP EPH Rev 3.0 Certifications: NJDEP-CT005	11/22/2023 08:26	11/23/2023 03:13	GXB

Surrogate Recoveries		Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*46.0 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*35.8 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **FILL Comp 6 Grabs** **York Sample ID:** **23K1322-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6370**		mg/kg dry	4.47	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-36-0	Antimony	ND		mg/kg dry	2.24	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-38-2	**Arsenic**	**2.81**		mg/kg dry	1.34	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	**Barium**	**51.3**		mg/kg dry	2.23	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-41-7	Beryllium	ND		mg/kg dry	0.045	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-43-9	Cadmium	ND		mg/kg dry	0.268	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-70-2	**Calcium**	**10200**	B	mg/kg dry	4.47	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	**Chromium**	**14.5**	B	mg/kg dry	0.448	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-48-4	**Cobalt**	**4.13**		mg/kg dry	0.357	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-50-8	**Copper**	**19.8**		mg/kg dry	1.79	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-89-6	**Iron**	**10000**		mg/kg dry	22.4	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	**Lead**	**55.4**		mg/kg dry	0.448	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-95-4	**Magnesium**	**3340**		mg/kg dry	4.48	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-96-5	**Manganese**	**205**		mg/kg dry	0.448	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-02-0	**Nickel**	**11.6**		mg/kg dry	0.891	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-09-7	**Potassium**	**771**		mg/kg dry	4.48	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		mg/kg dry	2.24	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-22-4	Silver	ND		mg/kg dry	0.451	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-23-5	**Sodium**	**208**		mg/kg dry	44.7	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-28-0	Thallium	ND		mg/kg dry	2.24	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-62-2	**Vanadium**	**19.1**		mg/kg dry	0.891	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-66-6	**Zinc**	**35.4**		mg/kg dry	2.23	1	EPA 6010D	11/28/2023 08:52	11/29/2023 15:53	CW
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: FILL Comp 6 Grabs **York Sample ID:** 23K1322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1322	Hunters Point Recycle LIC Queens County	Soil	November 20, 2023 2:16 pm	11/20/2023

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.243**		mg/kg dry	0.0322	1	EPA 7473	11/28/2023 13:47	11/28/2023 20:17	AGNR
							Certifications:	CTDOH-PH-0723,NJDEP-CT005,NELAC-NY10854,PADEP-68-04		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.537	1	EPA 7196A	11/27/2023 14:26	11/27/2023 20:13	SMK
							Certifications:	NJDEP-CT005,CTDOH-PH-0723,NELAC-NY10854,PADEP-68-044		

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.537	1	EPA 9014/9010C	11/22/2023 12:30	11/22/2023 19:37	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.2**		%	0.100	1	SM 2540G	11/29/2023 06:38	11/29/2023 10:23	VR
							Certifications:	CTDOH-PH-0723		

Analytical Batch Summary

Batch ID: BK31473 **Preparation Method:** EPA 3545A **Prepared By:** me

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/22/23
BK31473-BLK1	Blank	11/22/23
BK31473-BS1	LCS	11/22/23
BK31473-BSD1	LCS Dup	11/22/23
BK31473-DUP1	Duplicate	11/22/23
BK31473-MS1	Matrix Spike	11/22/23

Batch ID: BK31495 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/22/23
BK31495-BLK1	Blank	11/22/23
BK31495-DUP1	Duplicate	11/22/23
BK31495-MS1	Matrix Spike	11/22/23
BK31495-MSD1	Matrix Spike Dup	11/22/23
BK31495-SRM1	Reference	11/22/23

Batch ID: BK31578 **Preparation Method:** EPA 3550C **Prepared By:** SAC

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/27/23
23K1322-02	FILL Comp 6 Grabs	11/27/23
BK31578-BLK1	Blank	11/27/23
BK31578-BLK1	Blank	11/27/23
BK31578-BS1	LCS	11/27/23
BK31578-MS1	Matrix Spike	11/27/23
BK31578-MSD1	Matrix Spike Dup	11/27/23

Batch ID: BK31581 **Preparation Method:** EPA 3550C **Prepared By:** kaz

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/27/23
23K1322-02	FILL Comp 6 Grabs	11/27/23
BK31581-BLK2	Blank	11/27/23
BK31581-BS2	LCS	11/27/23
BK31581-MS2	Matrix Spike	11/27/23
BK31581-MSD2	Matrix Spike Dup	11/27/23

Batch ID: BK31594 **Preparation Method:** EPA 5035A **Prepared By:** SKF

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-01	FILL VOC Grab	11/26/23
BK31594-BLK1	Blank	11/26/23

BK31594-BLK2	Blank	11/26/23
BK31594-BS1	LCS	11/26/23
BK31594-MS1	Matrix Spike	11/26/23

Batch ID: BK31683 **Preparation Method:** EPA SW846-3060 **Prepared By:** SMK

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/27/23
BK31683-BLK1	Blank	11/27/23
BK31683-DUP1	Duplicate	11/27/23
BK31683-MS1	Matrix Spike	11/27/23
BK31683-MSD1	Matrix Spike Dup	11/27/23
BK31683-SRM1	Reference	11/27/23

Batch ID: BK31743 **Preparation Method:** EPA 3050B **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/28/23
BK31743-BLK1	Blank	11/28/23
BK31743-DUP1	Duplicate	11/28/23
BK31743-MS1	Matrix Spike	11/28/23
BK31743-PS1	Post Spike	11/28/23
BK31743-SRM1	Reference	11/28/23

Batch ID: BK31773 **Preparation Method:** EPA 7473 soil **Prepared By:** AGNR

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-02	FILL Comp 6 Grabs	11/28/23
BK31773-BLK1	Blank	11/28/23
BK31773-DUP1	Duplicate	11/28/23
BK31773-MS1	Matrix Spike	11/28/23
BK31773-SRM1	Reference	11/28/23

Batch ID: BK31804 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
23K1322-01	FILL VOC Grab	11/29/23
23K1322-02	FILL Comp 6 Grabs	11/29/23
BK31804-DUP1	Duplicate	11/29/23

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
Blank (BK31594-BLK1)											Prepared & Analyzed: 11/26/2023
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
Blank (BK31594-BLK1)										Prepared & Analyzed: 11/26/2023	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/kg wet								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	0.0051	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.8*		*ug/L*	*50.0*		*93.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*47.4*		*"*	*50.0*		*94.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.0*		*"*	*50.0*		*110*	*76-130*				
Blank (BK31594-BLK2)										Prepared & Analyzed: 11/26/2023	
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
Tentatively Identified Compounds	0.0		"								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
Blank (BK31594-BLK2)											Prepared & Analyzed: 11/26/2023
Acetone	ND	1.0	mg/kg wet								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	0.51	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.9*		*ug/L*	*50.0*		*95.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*43.3*		*"*	*50.0*		*86.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.7*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
LCS (BK31594-BS1)							Prepared & Analyzed: 11/26/2023				
1,1,1,2-Tetrachloroethane	47		ug/L	50.0		94.5	75-129				
1,1,1-Trichloroethane	48		"	50.0		95.6	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		93.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.9	58-146				
1,1,2-Trichloroethane	46		"	50.0		92.5	83-123				
1,1-Dichloroethane	45		"	50.0		90.5	75-130				
1,1-Dichloroethylene	47		"	50.0		94.4	64-137				
1,2,3-Trichlorobenzene	46		"	50.0		91.5	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.1	81-126				
1,2,4-Trichlorobenzene	49		"	50.0		97.2	80-141				
1,2,4-Trimethylbenzene	56		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	41		"	50.0		81.8	74-142				
1,2-Dibromoethane	48		"	50.0		96.5	86-123				
1,2-Dichlorobenzene	48		"	50.0		96.7	85-122				
1,2-Dichloroethane	49		"	50.0		98.5	71-133				
1,2-Dichloropropane	42		"	50.0		84.2	81-122				
1,3,5-Trimethylbenzene	48		"	50.0		95.9	82-126				
1,3-Dichlorobenzene	56		"	50.0		113	84-124				
1,3-Dichloropropane	45		"	50.0		90.1	83-123				
1,4-Dichlorobenzene	56		"	50.0		112	84-124				
1,4-Dioxane	420		"	1050		39.7	10-228				
2-Butanone	50		"	50.0		100	58-147				
2-Hexanone	41		"	50.0		82.3	70-139				
4-Methyl-2-pentanone	29		"	50.0		57.2	72-132	Low Bias			
Acetone	36		"	50.0		72.5	36-155				
Acrolein	50		"	50.0		100	10-238				
Acrylonitrile	44		"	50.0		87.5	66-141				
Benzene	51		"	50.0		103	77-127				
Bromochloromethane	45		"	50.0		89.2	74-129				
Bromodichloromethane	43		"	50.0		85.4	81-124				
Bromoform	52		"	50.0		104	80-136				
Bromomethane	43		"	50.0		86.3	32-177				
Carbon disulfide	50		"	50.0		99.3	10-136				
Carbon tetrachloride	50		"	50.0		101	66-143				
Chlorobenzene	49		"	50.0		97.3	86-120				
Chloroethane	54		"	50.0		107	51-142				
Chloroform	48		"	50.0		95.4	76-131				
Chloromethane	46		"	50.0		92.4	49-132				
cis-1,2-Dichloroethylene	45		"	50.0		90.1	74-132				
cis-1,3-Dichloropropylene	42		"	50.0		83.9	81-129				
Cyclohexane	44		"	50.0		88.5	70-130				
Dibromochloromethane	48		"	50.0		95.1	10-200				
Dibromomethane	43		"	50.0		86.4	83-124				
Dichlorodifluoromethane	54		"	50.0		108	28-158				
Ethyl Benzene	47		"	50.0		94.7	84-125				
Hexachlorobutadiene	45		"	50.0		89.7	83-133				
Isopropylbenzene	48		"	50.0		96.8	81-127				
Methyl acetate	39		"	50.0		78.5	41-143				
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.4	74-131				
Methylcyclohexane	43		"	50.0		86.2	70-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
LCS (BK31594-BS1)								Prepared & Analyzed: 11/26/2023			
Methylene chloride	47		ug/L	50.0		94.8	57-141				
n-Butylbenzene	46		"	50.0		92.6	80-130				
n-Propylbenzene	46		"	50.0		91.8	74-136				
o-Xylene	47		"	50.0		94.6	83-123				
p- & m- Xylenes	88		"	100		88.2	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	53		"	50.0		106	83-125				
Styrene	43		"	50.0		85.7	86-126	Low Bias			
tert-Butyl alcohol (TBA)	230		"	250		93.8	70-130				
tert-Butylbenzene	53		"	50.0		107	80-127				
Tetrachloroethylene	33		"	50.0		65.5	80-129	Low Bias			
Toluene	54		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		91.3	72-132				
trans-1,3-Dichloropropylene	44		"	50.0		88.2	78-132				
Trichloroethylene	48		"	50.0		96.2	84-123				
Trichlorofluoromethane	58		"	50.0		117	62-140				
Vinyl Chloride	51		"	50.0		103	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.4*		*"*	*50.0*		*94.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.2*		*"*	*50.0*		*106*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*97.9*	*76-130*				
Matrix Spike (BK31594-MS1)	*Source sample: 23K1322-01 (FILL VOC Grab)							Prepared & Analyzed: 11/26/2023			
1,1,1,2-Tetrachloroethane	36		ug/L	50.0	0.0	72.8	15-161				
1,1,1-Trichloroethane	41		"	50.0	0.0	81.8	42-145				
1,1,2,2-Tetrachloroethane	36		"	50.0	0.0	71.1	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0	0.0	82.1	11-160				
1,1,2-Trichloroethane	42		"	50.0	0.0	84.0	44-145				
1,1-Dichloroethane	38		"	50.0	0.0	75.6	46-142				
1,1-Dichloroethylene	39		"	50.0	0.0	77.3	30-153				
1,2,3-Trichlorobenzene	20		"	50.0	0.0	40.9	10-157				
1,2,3-Trichloropropane	38		"	50.0	0.0	76.1	38-155				
1,2,4-Trichlorobenzene	22		"	50.0	0.0	43.6	10-151				
1,2,4-Trimethylbenzene	25		"	50.0	0.0	50.2	10-170				
1,2-Dibromo-3-chloropropane	29		"	50.0	0.0	58.4	36-138				
1,2-Dibromoethane	37		"	50.0	0.0	74.7	40-142				
1,2-Dichlorobenzene	28		"	50.0	0.0	55.5	10-147				
1,2-Dichloroethane	41		"	50.0	0.0	82.4	48-133				
1,2-Dichloropropane	34		"	50.0	0.0	68.5	47-141				
1,3,5-Trimethylbenzene	30		"	50.0	0.0	60.1	10-150				
1,3-Dichlorobenzene	29		"	50.0	0.0	57.7	10-144				
1,3-Dichloropropane	37		"	50.0	0.0	73.6	43-142				
1,4-Dichlorobenzene	28		"	50.0	0.0	56.2	10-160				
1,4-Dioxane	350		"	1050	0.0	32.9	10-191				
2-Butanone	34		"	50.0	0.0	69.0	10-189				
2-Hexanone	15		"	50.0	0.0	29.8	10-181				
4-Methyl-2-pentanone	19		"	50.0	0.0	38.7	10-166				
Acetone	30		"	50.0	0.0	59.7	10-196				
Acrolein	3.3		"	50.0	0.0	6.56	10-192	Low Bias			
Acrylonitrile	30		"	50.0	0.0	59.4	13-161				
Benzene	41		"	50.0	0.0	82.5	43-139				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31594 - EPA 5035A											
Matrix Spike (BK31594-MS1)	*Source sample: 23K1322-01 (FILL VOC Grab)							Prepared & Analyzed: 11/26/2023			
Bromochloromethane	35		ug/L	50.0	0.0	71.0	38-145				
Bromodichloromethane	35		"	50.0	0.0	70.9	38-147				
Bromoform	40		"	50.0	0.0	79.3	29-156				
Bromomethane	30		"	50.0	0.0	59.3	10-166				
Carbon disulfide	39		"	50.0	0.66	76.0	10-131				
Carbon tetrachloride	41		"	50.0	0.0	82.7	35-145				
Chlorobenzene	35		"	50.0	0.0	69.8	21-154				
Chloroethane	40		"	50.0	0.0	79.3	15-160				
Chloroform	40		"	50.0	0.0	79.6	47-142				
Chloromethane	38		"	50.0	0.0	75.5	10-159				
cis-1,2-Dichloroethylene	37		"	50.0	0.0	74.4	42-144				
cis-1,3-Dichloropropylene	35		"	50.0	0.0	70.7	18-159				
Cyclohexane	35		"	50.0	0.0	70.4	70-130				
Dibromochloromethane	36		"	50.0	0.0	73.0	10-179				
Dibromomethane	34		"	50.0	0.0	67.2	47-143				
Dichlorodifluoromethane	45		"	50.0	0.0	90.9	10-145				
Ethyl Benzene	35		"	50.0	0.0	69.2	11-158				
Hexachlorobutadiene	24		"	50.0	0.0	48.2	10-158				
Isopropylbenzene	35		"	50.0	0.0	69.1	10-162				
Methyl acetate	34		"	50.0	0.0	67.2	10-149				
Methyl tert-butyl ether (MTBE)	41		"	50.0	0.0	81.4	42-152				
Methylcyclohexane	32		"	50.0	0.0	64.9	70-130	Low Bias			
Methylene chloride	51		"	50.0	9.6	82.3	28-151				
n-Butylbenzene	20		"	50.0	0.0	40.5	10-162				
n-Propylbenzene	31		"	50.0	0.0	61.5	10-155				
o-Xylene	34		"	50.0	0.0	68.1	10-158				
p- & m- Xylenes	58		"	100	0.0	58.3	10-156				
p-Isopropyltoluene	24		"	50.0	0.0	47.9	10-147				
sec-Butylbenzene	29		"	50.0	0.0	57.7	10-157				
Styrene	28		"	50.0	0.0	55.9	13-171				
tert-Butyl alcohol (TBA)	200		"	250	0.0	79.7	34-179				
tert-Butylbenzene	32		"	50.0	0.0	64.8	10-160				
Tetrachloroethylene	29		"	50.0	0.0	57.0	30-167				
Toluene	41		"	50.0	0.0	82.1	21-160				
trans-1,2-Dichloroethylene	38		"	50.0	0.0	76.5	29-153				
trans-1,3-Dichloropropylene	37		"	50.0	0.0	73.8	18-155				
Trichloroethylene	36		"	50.0	0.0	72.6	24-169				
Trichlorofluoromethane	46		"	50.0	0.0	92.6	35-142				
Vinyl Chloride	41		"	50.0	0.0	81.8	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.4*		*"*	*50.0*		*96.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*70-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Blank (BK31578-BLK1)											
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

Prepared: 11/27/2023 Analyzed: 11/28/2023

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Blank (BK31578-BLK1)											
Prepared: 11/27/2023 Analyzed: 11/28/2023											
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Parathion	ND	0.0830	"								
Benzo(a)pyrene (BAP) Equivalent-BAPE	0.00		"								
Surrogate: SURR: 2-Fluorophenol	*0.879*		*"*	*1.66*		*52.9*	*20-108*				
Surrogate: SURR: 2-Fluorophenol	*0.879*		*"*	*1.66*		*52.9*	*20-108*				
Surrogate: SURR: Phenol-d6	*0.843*		*"*	*1.66*		*50.7*	*23-114*				
Surrogate: SURR: Phenol-d6	*0.843*		*"*	*1.66*		*50.7*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.431*		*"*	*0.831*		*51.9*	*22-108*				
Surrogate: SURR: Nitrobenzene-d5	*0.431*		*"*	*0.831*		*51.9*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.462*		*"*	*0.831*		*55.6*	*21-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.462*		*"*	*0.831*		*55.6*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.21*		*"*	*1.66*		*72.6*	*19-110*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.21*		*"*	*1.66*		*72.6*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.603*		*"*	*0.831*		*72.6*	*24-116*				
Surrogate: SURR: Terphenyl-d14	*0.603*		*"*	*0.831*		*72.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
LCS (BK31578-BS1)								Prepared: 11/27/2023 Analyzed: 11/28/2023			
1,1-Biphenyl	0.480	0.0416	mg/kg wet	0.831		57.8	22-103				
1,2,4,5-Tetrachlorobenzene	0.490	0.0830	"	0.831		59.0	10-144				
1,2,4-Trichlorobenzene	0.489	0.0416	"	0.831		58.9	23-130				
1,2-Dichlorobenzene	0.430	0.0416	"	0.831		51.7	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.361	0.0416	"	0.831		43.5	10-140				
1,3-Dichlorobenzene	0.421	0.0416	"	0.831		50.7	32-113				
1,4-Dichlorobenzene	0.427	0.0416	"	0.831		51.4	28-111				
2,3,4,6-Tetrachlorophenol	0.454	0.0830	"	0.831		54.6	30-130				
2,4,5-Trichlorophenol	0.514	0.0416	"	0.831		61.9	14-138				
2,4,6-Trichlorophenol	0.543	0.0416	"	0.831		65.3	27-122				
2,4-Dichlorophenol	0.519	0.0416	"	0.831		62.5	23-133				
2,4-Dimethylphenol	0.384	0.0416	"	0.831		46.2	15-131				
2,4-Dinitrophenol	0.505	0.0830	"	0.831		60.8	10-149				
2,4-Dinitrotoluene	0.607	0.0416	"	0.831		73.1	30-123				
2,6-Dinitrotoluene	0.586	0.0416	"	0.831		70.6	30-125				
2-Chloronaphthalene	0.463	0.0416	"	0.831		55.8	22-115				
2-Chlorophenol	0.463	0.0416	"	0.831		55.8	25-121				
2-Methylnaphthalene	0.492	0.0416	"	0.831		59.2	16-127				
2-Methylphenol	0.429	0.0416	"	0.831		51.7	10-146				
2-Nitroaniline	0.575	0.0830	"	0.831		69.3	24-126				
2-Nitrophenol	0.622	0.0416	"	0.831		74.8	17-129				
3- & 4-Methylphenols	0.381	0.0416	"	0.831		45.9	20-109				
3,3-Dichlorobenzidine	0.402	0.0416	"	0.831		48.4	10-147				
3-Nitroaniline	0.452	0.0830	"	0.831		54.5	23-123				
4,6-Dinitro-2-methylphenol	0.738	0.0830	"	0.831		88.9	10-149				
4-Bromophenyl phenyl ether	0.533	0.0416	"	0.831		64.1	30-138				
4-Chloro-3-methylphenol	0.479	0.0416	"	0.831		57.6	16-138				
4-Chloroaniline	0.290	0.0416	"	0.831		34.9	10-117				
4-Chlorophenyl phenyl ether	0.492	0.0416	"	0.831		59.3	18-132				
4-Nitroaniline	0.480	0.0830	"	0.831		57.8	14-125				
4-Nitrophenol	0.412	0.0830	"	0.831		49.6	10-136				
Acenaphthene	0.469	0.0416	"	0.831		56.4	17-124				
Acenaphthylene	0.440	0.0416	"	0.831		52.9	16-124				
Acetophenone	0.408	0.0416	"	0.831		49.1	28-105				
Aniline	0.529	0.166	"	0.831		63.6	10-111				
Anthracene	0.443	0.0416	"	0.831		53.4	24-124				
Atrazine	0.544	0.0416	"	0.831		65.5	22-120				
Benzaldehyde	0.328	0.0416	"	0.831		39.5	21-100				
Benzo(a)anthracene	0.491	0.0416	"	0.831		59.1	25-134				
Benzo(a)pyrene	0.473	0.0416	"	0.831		57.0	29-144				
Benzo(b)fluoranthene	0.500	0.0416	"	0.831		60.2	20-151				
Benzo(g,h,i)perylene	0.459	0.0416	"	0.831		55.3	10-153				
Benzo(k)fluoranthene	0.449	0.0416	"	0.831		54.1	10-148				
Benzoic acid	0.0286	0.0416	"	0.831		3.44	10-116	Low Bias			
Benzyl alcohol	0.443	0.0416	"	0.831		53.3	17-128				
Benzyl butyl phthalate	0.516	0.0416	"	0.831		62.2	10-132				
Bis(2-chloroethoxy)methane	0.426	0.0416	"	0.831		51.2	10-129				
Bis(2-chloroethyl)ether	0.389	0.0416	"	0.831		46.8	14-125				
Bis(2-chloroisopropyl)ether	0.291	0.0416	"	0.831		35.1	14-122				
Bis(2-ethylhexyl)phthalate	0.524	0.0416	"	0.831		63.1	10-141				
Caprolactam	0.604	0.0830	"	0.831		72.8	10-123				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
LCS (BK31578-BS1)								Prepared: 11/27/2023 Analyzed: 11/28/2023			
Carbazole	0.461	0.0416	mg/kg wet	0.831		55.6	31-120				
Chrysene	0.451	0.0416	"	0.831		54.3	24-116				
Dibenzo(a,h)anthracene	0.500	0.0416	"	0.831		60.2	17-147				
Dibenzofuran	0.470	0.0416	"	0.831		56.6	23-123				
Diethyl phthalate	0.452	0.0416	"	0.831		54.4	23-122				
Dimethyl phthalate	0.457	0.0416	"	0.831		55.0	28-127				
Di-n-butyl phthalate	0.476	0.0416	"	0.831		57.4	19-123				
Di-n-octyl phthalate	0.600	0.0416	"	0.831		72.3	10-132				
Fluoranthene	0.468	0.0416	"	0.831		56.3	36-125				
Fluorene	0.473	0.0416	"	0.831		57.0	16-130				
Hexachlorobenzene	0.410	0.0416	"	0.831		49.3	10-129				
Hexachlorobutadiene	0.480	0.0416	"	0.831		57.8	22-153				
Hexachlorocyclopentadiene	0.0781	0.0416	"	0.831		9.40	10-134	Low Bias			
Hexachloroethane	0.411	0.0416	"	0.831		49.4	20-112				
Indeno(1,2,3-cd)pyrene	0.666	0.0416	"	0.831		80.2	10-155				
Isophorone	0.411	0.0416	"	0.831		49.5	14-131				
Naphthalene	0.461	0.0416	"	0.831		55.6	20-121				
Nitrobenzene	0.407	0.0416	"	0.831		49.0	20-121				
N-Nitrosodimethylamine	0.331	0.0416	"	0.831		39.8	10-124				
N-nitroso-di-n-propylamine	0.356	0.0416	"	0.831		42.8	21-119				
N-Nitrosodiphenylamine	0.552	0.0416	"	0.831		66.5	10-163				
Pentachlorophenol	0.352	0.0416	"	0.831		42.4	10-143				
Phenanthrene	0.447	0.0416	"	0.831		53.8	24-123				
Phenol	0.418	0.0416	"	0.831		50.4	15-123				
Pyrene	0.466	0.0416	"	0.831		56.1	24-132				
Pyridine	0.273	0.166	"	0.831		32.9	10-92				
Parathion	0.0704	0.0830	"	0.415		17.0	0-200				
Surrogate: SURR: 2-Fluorophenol	*0.802*		"	*1.66*		*48.3*	*20-108*				
Surrogate: SURR: 2-Fluorophenol	*0.802*		"	*1.66*		*48.3*	*20-108*				
Surrogate: SURR: Phenol-d6	*0.795*		"	*1.66*		*47.9*	*23-114*				
Surrogate: SURR: Phenol-d6	*0.795*		"	*1.66*		*47.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.400*		"	*0.831*		*48.2*	*22-108*				
Surrogate: SURR: Nitrobenzene-d5	*0.400*		"	*0.831*		*48.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.456*		"	*0.831*		*55.0*	*21-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.456*		"	*0.831*		*55.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.26*		"	*1.66*		*75.6*	*19-110*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.26*		"	*1.66*		*75.6*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.462*		"	*0.831*		*55.7*	*24-116*				
Surrogate: SURR: Terphenyl-d14	*0.462*		"	*0.831*		*55.7*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Matrix Spike (BK31578-MS1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)							Prepared: 11/27/2023 Analyzed: 11/28/2023			
1,1-Biphenyl	0.502	0.0880	mg/kg dry	0.880	ND	57.0	24-112				
1,2,4,5-Tetrachlorobenzene	0.502	0.176	"	0.880	ND	57.0	18-152				
1,2,4-Trichlorobenzene	0.484	0.0880	"	0.880	ND	55.0	15-139				
1,2-Dichlorobenzene	0.431	0.0880	"	0.880	ND	49.0	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.393	0.0880	"	0.880	ND	44.7	10-135				
1,3-Dichlorobenzene	0.424	0.0880	"	0.880	ND	48.2	34-100				
1,4-Dichlorobenzene	0.414	0.0880	"	0.880	ND	47.0	26-107				
2,3,4,6-Tetrachlorophenol	0.504	0.176	"	0.880	ND	57.3	30-130				
2,4,5-Trichlorophenol	0.546	0.0880	"	0.880	ND	62.1	10-148				
2,4,6-Trichlorophenol	0.564	0.0880	"	0.880	ND	64.1	12-138				
2,4-Dichlorophenol	0.521	0.0880	"	0.880	ND	59.2	16-144				
2,4-Dimethylphenol	0.407	0.0880	"	0.880	ND	46.3	11-133				
2,4-Dinitrophenol	0.133	0.176	"	0.880	ND	15.1	10-132				
2,4-Dinitrotoluene	0.625	0.0880	"	0.880	ND	71.0	42-113				
2,6-Dinitrotoluene	0.607	0.0880	"	0.880	ND	69.0	36-124				
2-Chloronaphthalene	0.477	0.0880	"	0.880	ND	54.2	31-116				
2-Chlorophenol	0.462	0.0880	"	0.880	ND	52.5	28-114				
2-Methylnaphthalene	0.528	0.0880	"	0.880	ND	60.0	10-143				
2-Methylphenol	0.452	0.0880	"	0.880	ND	51.4	10-160				
2-Nitroaniline	0.593	0.176	"	0.880	ND	67.4	33-122				
2-Nitrophenol	0.618	0.0880	"	0.880	ND	70.2	12-127				
3- & 4-Methylphenols	0.393	0.0880	"	0.880	ND	44.6	16-115				
3,3-Dichlorobenzidine	0.292	0.0880	"	0.880	ND	33.2	10-134				
3-Nitroaniline	0.438	0.176	"	0.880	ND	49.8	24-128				
4,6-Dinitro-2-methylphenol	0.479	0.176	"	0.880	ND	54.4	10-149				
4-Bromophenyl phenyl ether	0.548	0.0880	"	0.880	ND	62.2	32-148				
4-Chloro-3-methylphenol	0.500	0.0880	"	0.880	ND	56.9	14-138				
4-Chloroaniline	0.257	0.0880	"	0.880	ND	29.2	10-124				
4-Chlorophenyl phenyl ether	0.504	0.0880	"	0.880	ND	57.3	10-153				
4-Nitroaniline	0.463	0.176	"	0.880	ND	52.6	10-151				
4-Nitrophenol	0.361	0.176	"	0.880	ND	41.0	10-141				
Acenaphthene	0.552	0.0880	"	0.880	ND	62.7	13-133				
Acenaphthylene	0.453	0.0880	"	0.880	ND	51.5	25-125				
Acetophenone	0.427	0.0880	"	0.880	ND	48.6	25-105				
Aniline	0.187	0.353	"	0.880	ND	21.2	10-112				
Anthracene	0.584	0.0880	"	0.880	0.0845	56.8	27-128				
Atrazine	0.576	0.0880	"	0.880	ND	65.4	10-139				
Benzaldehyde	0.334	0.0880	"	0.880	ND	38.0	24-96				
Benzo(a)anthracene	0.838	0.0880	"	0.880	0.362	54.2	20-147				
Benzo(a)pyrene	0.885	0.0880	"	0.880	0.369	58.6	18-153				
Benzo(b)fluoranthene	0.873	0.0880	"	0.880	0.325	62.3	10-163				
Benzo(g,h,i)perylene	0.764	0.0880	"	0.880	0.250	58.5	10-157				
Benzo(k)fluoranthene	0.758	0.0880	"	0.880	0.259	56.7	10-157				
Benzoic acid	ND	0.0880	"	0.880	ND		10-130	Low Bias			
Benzyl alcohol	0.439	0.0880	"	0.880	ND	49.9	20-122				
Benzyl butyl phthalate	0.576	0.0880	"	0.880	ND	65.4	10-129				
Bis(2-chloroethoxy)methane	0.431	0.0880	"	0.880	ND	49.0	12-128				
Bis(2-chloroethyl)ether	0.424	0.0880	"	0.880	ND	48.2	18-113				
Bis(2-chloroisopropyl)ether	0.301	0.0880	"	0.880	ND	34.2	10-130				
Bis(2-ethylhexyl)phthalate	0.660	0.0880	"	0.880	0.0753	66.5	10-138				
Caprolactam	0.613	0.176	"	0.880	ND	69.7	10-100				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Matrix Spike (BK31578-MS1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)							Prepared: 11/27/2023 Analyzed: 11/28/2023			
Carbazole	0.539	0.0880	mg/kg dry	0.880	ND	61.3	24-139				
Chrysene	0.790	0.0880	"	0.880	0.351	49.9	18-133				
Dibenzo(a,h)anthracene	0.623	0.0880	"	0.880	0.0823	61.4	10-146				
Dibenzofuran	0.531	0.0880	"	0.880	ND	60.3	26-134				
Diethyl phthalate	0.477	0.0880	"	0.880	ND	54.2	30-119				
Dimethyl phthalate	0.471	0.0880	"	0.880	ND	53.5	34-120				
Di-n-butyl phthalate	0.514	0.0880	"	0.880	ND	58.4	20-128				
Di-n-octyl phthalate	0.657	0.0880	"	0.880	ND	74.6	10-133				
Fluoranthene	1.14	0.0880	"	0.880	0.653	55.5	10-155				
Fluorene	0.550	0.0880	"	0.880	ND	62.5	12-150				
Hexachlorobenzene	0.446	0.0880	"	0.880	ND	50.6	16-142				
Hexachlorobutadiene	0.485	0.0880	"	0.880	ND	55.1	11-150				
Hexachlorocyclopentadiene	0.0493	0.0880	"	0.880	ND	5.60	10-115	Low Bias			
Hexachloroethane	0.398	0.0880	"	0.880	ND	45.2	14-106				
Indeno(1,2,3-cd)pyrene	1.01	0.0880	"	0.880	0.266	84.2	10-155				
Isophorone	0.407	0.0880	"	0.880	ND	46.2	14-127				
Naphthalene	0.541	0.0880	"	0.880	0.0619	54.4	15-132				
Nitrobenzene	0.414	0.0880	"	0.880	ND	47.0	18-125				
N-Nitrosodimethylamine	0.327	0.0880	"	0.880	ND	37.1	10-123				
N-nitroso-di-n-propylamine	0.370	0.0880	"	0.880	ND	42.1	23-115				
N-Nitrosodiphenylamine	0.602	0.0880	"	0.880	ND	68.4	16-166				
Pentachlorophenol	0.327	0.0880	"	0.880	ND	37.2	10-160				
Phenanthrene	0.958	0.0880	"	0.880	0.342	70.0	10-151				
Phenol	0.424	0.0880	"	0.880	ND	48.2	11-124				
Pyrene	1.14	0.0880	"	0.880	0.681	51.8	13-148				
Pyridine	0.263	0.353	"	0.880	ND	29.8	10-125				
Parathion	ND	0.176	"	0.440	ND		0-200				
Surrogate: SURR: 2-Fluorophenol	*0.776*		"	*1.76*		*44.1*	*20-108*				
Surrogate: SURR: 2-Fluorophenol	*0.776*		"	*1.76*		*44.1*	*20-108*				
Surrogate: SURR: Phenol-d6	*0.819*		"	*1.76*		*46.6*	*23-114*				
Surrogate: SURR: Phenol-d6	*0.819*		"	*1.76*		*46.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.405*		"	*0.880*		*46.1*	*22-108*				
Surrogate: SURR: Nitrobenzene-d5	*0.405*		"	*0.880*		*46.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.436*		"	*0.880*		*49.5*	*21-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.436*		"	*0.880*		*49.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.28*		"	*1.76*		*72.8*	*19-110*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.28*		"	*1.76*		*72.8*	*30-130*				
Surrogate: SURR: Terphenyl-d14	*0.457*		"	*0.880*		*52.0*	*24-116*				
Surrogate: SURR: Terphenyl-d14	*0.457*		"	*0.880*		*52.0*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Matrix Spike Dup (BK31578-MSD1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)								Prepared: 11/27/2023 Analyzed: 11/28/2023		
1,1-Biphenyl	0.563	0.0878	mg/kg dry	0.877	ND	64.2	24-112		11.5	30	
1,2,4,5-Tetrachlorobenzene	0.559	0.175	"	0.877	ND	63.8	18-152		10.8	30	
1,2,4-Trichlorobenzene	0.564	0.0878	"	0.877	ND	64.3	15-139		15.4	30	
1,2-Dichlorobenzene	0.490	0.0878	"	0.877	ND	55.9	29-106		12.8	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.444	0.0878	"	0.877	ND	50.6	10-135		12.1	30	
1,3-Dichlorobenzene	0.469	0.0878	"	0.877	ND	53.5	34-100		10.2	30	
1,4-Dichlorobenzene	0.476	0.0878	"	0.877	ND	54.2	26-107		13.9	30	
2,3,4,6-Tetrachlorophenol	0.605	0.175	"	0.877	ND	69.0	30-130		18.3	30	
2,4,5-Trichlorophenol	0.609	0.0878	"	0.877	ND	69.4	10-148		10.9	30	
2,4,6-Trichlorophenol	0.646	0.0878	"	0.877	ND	73.7	12-138		13.6	30	
2,4-Dichlorophenol	0.629	0.0878	"	0.877	ND	71.7	16-144		18.7	30	
2,4-Dimethylphenol	0.485	0.0878	"	0.877	ND	55.4	11-133		17.5	30	
2,4-Dinitrophenol	0.0912	0.175	"	0.877	ND	10.4	10-132		37.3	30	Non-dir.
2,4-Dinitrotoluene	0.723	0.0878	"	0.877	ND	82.4	42-113		14.5	30	
2,6-Dinitrotoluene	0.701	0.0878	"	0.877	ND	79.9	36-124		14.4	30	
2-Chloronaphthalene	0.541	0.0878	"	0.877	ND	61.7	31-116		12.5	30	
2-Chlorophenol	0.561	0.0878	"	0.877	ND	64.0	28-114		19.5	30	
2-Methylnaphthalene	0.593	0.0878	"	0.877	ND	67.7	10-143		11.7	30	
2-Methylphenol	0.536	0.0878	"	0.877	ND	61.1	10-160		17.0	30	
2-Nitroaniline	0.690	0.175	"	0.877	ND	78.7	33-122		15.2	30	
2-Nitrophenol	0.793	0.0878	"	0.877	ND	90.4	12-127		24.8	30	
3- & 4-Methylphenols	0.474	0.0878	"	0.877	ND	54.0	16-115		18.7	30	
3,3-Dichlorobenzidine	0.371	0.0878	"	0.877	ND	42.3	10-134		23.8	30	
3-Nitroaniline	0.546	0.175	"	0.877	ND	62.2	24-128		21.8	30	
4,6-Dinitro-2-methylphenol	0.434	0.175	"	0.877	ND	49.5	10-149		9.72	30	
4-Bromophenyl phenyl ether	0.624	0.0878	"	0.877	ND	71.1	32-148		13.0	30	
4-Chloro-3-methylphenol	0.584	0.0878	"	0.877	ND	66.6	14-138		15.4	30	
4-Chloroaniline	0.330	0.0878	"	0.877	ND	37.6	10-124		24.8	30	
4-Chlorophenyl phenyl ether	0.568	0.0878	"	0.877	ND	64.8	10-153		12.0	30	
4-Nitroaniline	0.599	0.175	"	0.877	ND	68.3	10-151		25.6	30	
4-Nitrophenol	0.439	0.175	"	0.877	ND	50.1	10-141		19.5	30	
Acenaphthene	0.624	0.0878	"	0.877	ND	71.2	13-133		12.3	30	
Acenaphthylene	0.512	0.0878	"	0.877	ND	58.4	25-125		12.2	30	
Acetophenone	0.516	0.0878	"	0.877	ND	58.8	25-105		18.8	30	
Aniline	0.247	0.351	"	0.877	ND	28.2	10-112		27.9	30	
Anthracene	0.691	0.0878	"	0.877	0.0845	69.2	27-128		16.8	30	
Atrazine	0.685	0.0878	"	0.877	ND	78.2	10-139		17.4	30	
Benzaldehyde	0.405	0.0878	"	0.877	ND	46.2	24-96		19.1	30	
Benzo(a)anthracene	1.00	0.0878	"	0.877	0.362	73.3	20-147		18.1	30	
Benzo(a)pyrene	1.01	0.0878	"	0.877	0.369	73.1	18-153		13.3	30	
Benzo(b)fluoranthene	1.01	0.0878	"	0.877	0.325	77.7	10-163		14.2	30	
Benzo(g,h,i)perylene	0.850	0.0878	"	0.877	0.250	68.4	10-157		10.6	30	
Benzo(k)fluoranthene	0.845	0.0878	"	0.877	0.259	66.8	10-157		10.8	30	
Benzoic acid	ND	0.0878	"	0.877	ND		10-130	Low Bias		30	
Benzyl alcohol	0.532	0.0878	"	0.877	ND	60.6	20-122		19.1	30	
Benzyl butyl phthalate	0.677	0.0878	"	0.877	ND	77.2	10-129		16.2	30	
Bis(2-chloroethoxy)methane	0.525	0.0878	"	0.877	ND	59.9	12-128		19.6	30	
Bis(2-chloroethyl)ether	0.490	0.0878	"	0.877	ND	55.9	18-113		14.6	30	
Bis(2-chloroisopropyl)ether	0.363	0.0878	"	0.877	ND	41.4	10-130		18.7	30	
Bis(2-ethylhexyl)phthalate	0.716	0.0878	"	0.877	0.0753	73.1	10-138		8.15	30	
Caprolactam	0.706	0.175	"	0.877	ND	80.6	10-100		14.2	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Matrix Spike Dup (BK31578-MSD1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)								Prepared: 11/27/2023 Analyzed: 11/28/2023		
Carbazole	0.618	0.0878	mg/kg dry	0.877	ND	70.5	24-139		13.6	30	
Chrysene	0.931	0.0878	"	0.877	0.351	66.1	18-133		16.3	30	
Dibenzo(a,h)anthracene	0.716	0.0878	"	0.877	0.0823	72.3	10-146		13.9	30	
Dibenzofuran	0.567	0.0878	"	0.877	ND	64.6	26-134		6.59	30	
Diethyl phthalate	0.531	0.0878	"	0.877	ND	60.6	30-119		10.7	30	
Dimethyl phthalate	0.542	0.0878	"	0.877	ND	61.8	34-120		14.0	30	
Di-n-butyl phthalate	0.604	0.0878	"	0.877	ND	68.9	20-128		16.1	30	
Di-n-octyl phthalate	0.776	0.0878	"	0.877	ND	88.5	10-133		16.6	30	
Fluoranthene	1.40	0.0878	"	0.877	0.653	84.7	10-155		20.1	30	
Fluorene	0.607	0.0878	"	0.877	ND	69.2	12-150		9.88	30	
Hexachlorobenzene	0.502	0.0878	"	0.877	ND	57.2	16-142		11.8	30	
Hexachlorobutadiene	0.549	0.0878	"	0.877	ND	62.6	11-150		12.3	30	
Hexachlorocyclopentadiene	0.0456	0.0878	"	0.877	ND	5.20	10-115	Low Bias	7.73	30	
Hexachloroethane	0.446	0.0878	"	0.877	ND	50.9	14-106		11.5	30	
Indeno(1,2,3-cd)pyrene	1.15	0.0878	"	0.877	0.266	100	10-155		12.9	30	
Isophorone	0.496	0.0878	"	0.877	ND	56.6	14-127		19.8	30	
Naphthalene	0.564	0.0878	"	0.877	0.0619	57.3	15-132		4.25	30	
Nitrobenzene	0.505	0.0878	"	0.877	ND	57.6	18-125		19.9	30	
N-Nitrosodimethylamine	0.408	0.0878	"	0.877	ND	46.5	10-123		22.1	30	
N-nitroso-di-n-propylamine	0.451	0.0878	"	0.877	ND	51.4	23-115		19.7	30	
N-Nitrosodiphenylamine	0.724	0.0878	"	0.877	ND	82.6	16-166		18.4	30	
Pentachlorophenol	0.430	0.0878	"	0.877	ND	49.0	10-160		27.1	30	
Phenanthrene	1.10	0.0878	"	0.877	0.342	86.0	10-151		13.4	30	
Phenol	0.512	0.0878	"	0.877	ND	58.4	11-124		18.9	30	
Pyrene	1.40	0.0878	"	0.877	0.681	81.5	13-148		20.5	30	
Pyridine	0.328	0.351	"	0.877	ND	37.4	10-125		22.3	30	
Parathion	0.113	0.175	"	0.438	ND	25.8	0-200			200	
Surrogate: SURR: 2-Fluorophenol	*1.02*		"	*1.75*		*58.0*	*20-108*				
Surrogate: SURR: 2-Fluorophenol	*1.02*		"	*1.75*		*58.0*	*20-108*				
Surrogate: SURR: Phenol-d6	*1.06*		"	*1.75*		*60.6*	*23-114*				
Surrogate: SURR: Phenol-d6	*1.06*		"	*1.75*		*60.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.528*		"	*0.877*		*60.2*	*22-108*				
Surrogate: SURR: Nitrobenzene-d5	*0.528*		"	*0.877*		*60.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.501*		"	*0.877*		*57.1*	*21-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.501*		"	*0.877*		*57.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.66*		"	*1.75*		*94.5*	*30-130*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.66*		"	*1.75*		*94.5*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.575*		"	*0.877*		*65.5*	*24-116*				
Surrogate: SURR: Terphenyl-d14	*0.575*		"	*0.877*		*65.5*	*24-116*				

Semivolatile Organic Compounds by GC/MS TIC - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31578 - EPA 3550C											
Blank (BK31578-BLK1)											Prepared: 11/27/2023 Analyzed: 11/28/2023
Tentatively Identified Compounds	0.00		mg/kg wet								

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31581 - EPA 3550C											
Blank (BK31581-BLK2)								Prepared & Analyzed: 11/27/2023			
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0443*		"	*0.0667*		*66.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0580*		"	*0.0667*		*87.0*	*30-140*				
LCS (BK31581-BS2)								Prepared & Analyzed: 11/27/2023			
Aroclor 1016	0.202	0.0166	mg/kg wet	0.332		60.9	40-130				
Aroclor 1260	0.231	0.0166	"	0.332		69.5	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0369*		"	*0.0664*		*55.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0475*		"	*0.0664*		*71.5*	*30-140*				
Matrix Spike (BK31581-MS2)	*Source sample: 23K1408-02 (Matrix Spike)							Prepared & Analyzed: 11/27/2023			
Aroclor 1016	0.215	0.0181	mg/kg dry	0.362	ND	59.5	40-140				
Aroclor 1260	0.240	0.0181	"	0.362	ND	66.3	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0406*		"	*0.0725*		*56.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0496*		"	*0.0725*		*68.5*	*30-140*				
Matrix Spike Dup (BK31581-MSD2)	*Source sample: 23K1408-02 (Matrix Spike Dup)							Prepared & Analyzed: 11/27/2023			
Aroclor 1016	0.233	0.0181	mg/kg dry	0.362	ND	64.3	40-140		7.76	50	
Aroclor 1260	0.266	0.0181	"	0.362	ND	73.5	40-140		10.3	50	
Surrogate: Tetrachloro-m-xylene	*0.0446*		"	*0.0725*		*61.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0565*		"	*0.0725*		*78.0*	*30-140*				

Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31473 - EPA 3545A											
Blank (BK31473-BLK1)								Prepared & Analyzed: 11/22/2023			
Total EPH	ND	49.5	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*5.10*		"	*9.90*		*51.5*	*31.6-128*				
Surrogate: o-Terphenyl	*4.43*		"	*9.90*		*44.8*	*28.7-124*				
LCS (BK31473-BS1)								Prepared & Analyzed: 11/22/2023			
Total EPH	64.2	49.5	mg/kg wet	158		40.5	40-140				
Surrogate: 1-Chlorooctadecane	*4.57*		"	*9.90*		*46.1*	*31.6-128*				
Surrogate: o-Terphenyl	*3.95*		"	*9.90*		*39.9*	*28.7-124*				
LCS Dup (BK31473-BSD1)								Prepared & Analyzed: 11/22/2023			
Total EPH	71.8	49.5	mg/kg wet	158		45.3	40-140		11.2	30	
Surrogate: 1-Chlorooctadecane	*5.04*		"	*9.90*		*50.9*	*31.6-128*				
Surrogate: o-Terphenyl	*4.36*		"	*9.90*		*44.0*	*28.7-124*				
Duplicate (BK31473-DUP1)	*Source sample: 23K1408-02 (Duplicate)							Prepared: 11/22/2023 Analyzed: 11/23/2023			
Total EPH	ND	52.4	mg/kg dry		ND					200	
Surrogate: 1-Chlorooctadecane	*7.11*		"	*10.5*		*67.8*	*31.6-128*				
Surrogate: o-Terphenyl	*6.11*		"	*10.5*		*58.3*	*28.7-124*				
Matrix Spike (BK31473-MS1)	*Source sample: 23K1408-02 (Matrix Spike)							Prepared: 11/22/2023 Analyzed: 11/23/2023			
Total EPH	70.5	51.4	mg/kg dry	165	ND	42.9	30-140				
Surrogate: 1-Chlorooctadecane	*4.93*		"	*10.3*		*47.9*	*31.6-128*				
Surrogate: o-Terphenyl	*4.27*		"	*10.3*		*41.6*	*28.7-124*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31743 - EPA 3050B											
Blank (BK31743-BLK1)									Prepared: 11/28/2023 Analyzed: 11/29/2023		
Aluminum	ND	4.17	mg/kg wet								
Antimony	ND	2.08	"								
Arsenic	ND	1.25	"								
Barium	ND	2.08	"								
Beryllium	ND	0.042	"								
Cadmium	ND	0.250	"								
Calcium	5.23	4.17	"								
Chromium	0.425	0.417	"								
Cobalt	ND	0.333	"								
Copper	ND	1.67	"								
Iron	ND	20.8	"								
Lead	ND	0.417	"								
Magnesium	ND	4.17	"								
Manganese	ND	0.417	"								
Nickel	ND	0.830	"								
Potassium	ND	4.17	"								
Selenium	ND	2.08	"								
Silver	ND	0.420	"								
Sodium	ND	41.7	"								
Thallium	ND	2.08	"								
Vanadium	ND	0.830	"								
Zinc	ND	2.08	"								
Duplicate (BK31743-DUP1)	*Source sample: 23K1582-02 (Duplicate)								Prepared: 11/28/2023 Analyzed: 11/29/2023		
Aluminum	4240	7.02	mg/kg dry		4440				4.44	35	
Antimony	3.51	3.51	"		4.06				14.6	35	
Arsenic	2.93	2.11	"		2.73				7.24	35	
Barium	80.5	3.50	"		84.9				5.39	35	
Beryllium	ND	0.071	"		ND					35	
Cadmium	0.708	0.421	"		0.440				46.5	35	Non-dir.
Calcium	23100	7.02	"		28500				20.9	35	
Chromium	38.6	0.703	"		31.1				21.7	35	
Cobalt	6.38	0.561	"		5.29				18.5	35	
Copper	189	2.81	"		196				3.60	35	
Iron	13600	35.1	"		20300				39.5	35	Non-dir.
Lead	32500	0.703	"		223				197	35	Non-dir.
Magnesium	10500	7.03	"		13300				23.7	35	
Manganese	146	0.703	"		208				35.2	35	Non-dir.
Nickel	21.8	1.40	"		17.5				21.8	35	
Potassium	537	7.03	"		559				4.02	35	
Selenium	ND	3.51	"		ND					35	
Silver	ND	0.708	"		ND					35	
Sodium	4000	70.2	"		3950				1.29	35	
Thallium	ND	3.51	"		ND					35	
Vanadium	23.9	1.40	"		33.3				32.9	35	
Zinc	90.0	3.50	"		70.1				24.9	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31743 - EPA 3050B											
Matrix Spike (BK31743-MS1)	*Source sample: 23K1582-02 (Matrix Spike)								Prepared: 11/28/2023 Analyzed: 11/29/2023		
Aluminum	5450	7.02	mg/kg dry	281	4440	362	75-125	High Bias			
Antimony	16.3	3.51	"	35.1	4.06	34.7	75-125	Low Bias			
Arsenic	281	2.11	"	281	2.73	99.0	75-125				
Barium	359	3.50	"	281	84.9	97.5	75-125				
Beryllium	6.27	0.071	"	7.02	ND	89.3	75-125				
Cadmium	7.44	0.421	"	7.02	0.440	99.7	75-125				
Calcium	29200	7.02	"	140	28500	557	75-125	High Bias			
Chromium	77.3	0.703	"	28.1	31.1	165	75-125	High Bias			
Cobalt	69.6	0.561	"	70.2	5.29	91.7	75-125				
Copper	248	2.81	"	35.1	196	146	75-125	High Bias			
Iron	22100	35.1	"	140	20300	NR	75-125	High Bias			
Lead	351	0.703	"	70.2	223	183	75-125	High Bias			
Magnesium	12900	7.03	"	140	13300	NR	75-125	Low Bias			
Manganese	292	0.703	"	70.2	208	119	75-125				
Nickel	89.6	1.40	"	70.2	17.5	103	75-125				
Potassium	713	7.03	"	140	559	109	75-125				
Selenium	265	3.51	"	281	ND	94.3	75-125				
Silver	4.29	0.708	"	7.02	ND	61.2	75-125	Low Bias			
Sodium	5270	70.2	"	140	3950	940	75-125	High Bias			
Thallium	236	3.51	"	281	ND	84.1	75-125				
Vanadium	93.5	1.40	"	70.2	33.3	85.8	75-125				
Zinc	184	3.50	"	70.2	70.1	162	75-125	High Bias			
Post Spike (BK31743-PS1)	*Source sample: 23K1582-02 (Post Spike)								Prepared: 11/28/2023 Analyzed: 11/29/2023		
Aluminum	31.8		ug/mL	2.00	31.6	9.45	75-125	Low Bias			
Antimony	0.274		"	0.250	0.029	98.0	75-125				
Arsenic	1.99		"	2.00	0.019	98.7	75-125				
Barium	2.54		"	2.00	0.605	96.5	75-125				
Beryllium	0.046		"	0.0500	-0.002	91.3	75-125				
Cadmium	0.049		"	0.0500	0.003	92.0	75-125				
Calcium	193		"	1.00	203	NR	75-125	Low Bias			
Chromium	0.410		"	0.200	0.221	94.3	75-125				
Cobalt	0.495		"	0.500	0.038	91.5	75-125				
Copper	1.63		"	0.250	1.40	93.4	75-125				
Iron	138		"	1.00	144	NR	75-125	Low Bias			
Lead	2.04		"	0.500	1.59	90.2	75-125				
Magnesium	90.7		"	1.00	94.9	NR	75-125	Low Bias			
Manganese	1.94		"	0.500	1.48	91.4	75-125				
Nickel	0.580		"	0.500	0.125	91.1	75-125				
Potassium	4.80		"	1.00	3.98	81.4	75-125				
Selenium	1.92		"	2.00	0.012	95.4	75-125				
Silver	0.032		"	0.0500	-0.019	64.9	75-125	Low Bias			
Sodium	28.6		"	1.00	28.1	49.5	75-125	Low Bias			
Thallium	1.71		"	2.00	-0.005	85.3	75-125				
Vanadium	0.721		"	0.500	0.237	96.8	75-125				
Zinc	0.971		"	0.500	0.499	94.4	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31743 - EPA 3050B											
Reference (BK31743-SRM1)								Prepared: 11/28/2023 Analyzed: 11/29/2023			
Aluminum	8150	4.17	mg/kg wet	9490		85.9	45.4-128.6				
Antimony	65.2	2.08	"	248		26.3	3-103.2				
Arsenic	130	1.25	"	163		79.7	68.7-100.6				
Barium	300	2.08	"	319		94.0	82.5-115.7				
Beryllium	103	0.042	"	119		86.8	77.7-109.2				
Cadmium	114	0.250	"	130		87.3	75.2-106.2				
Calcium	4430	4.17	"	5000		88.6	80.6-114.4				
Chromium	149	0.417	"	153		97.4	77.8-111.8				
Cobalt	142	0.333	"	153		93.0	79.1-109.8				
Copper	239	1.67	"	245		97.6	80.4-111				
Iron	6900	20.8	"	7540		91.5	69.8-144.6				
Lead	189	0.417	"	220		85.7	80-113.6				
Magnesium	1910	4.17	"	1980		96.4	85.9-129.3				
Manganese	397	0.417	"	431		92.2	79.6-114.2				
Nickel	162	0.830	"	175		92.3	76.6-108.6				
Potassium	1600	4.17	"	1570		102	80.9-131.2				
Selenium	149	2.08	"	156		95.8	80.8-118.6				
Silver	62.9	0.420	"	82.9		75.9	76.7-114.7	Low Bias			
Sodium	811	41.7	"	453		179	72.2-119.7	High Bias			
Thallium	79.7	2.08	"	99.4		80.1	75.8-110.7				
Vanadium	153	0.830	"	170		90.1	75.3-114.1				
Zinc	369	2.08	"	201		184	79.6-115.92	High Bias			

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31773 - EPA 7473 soil											
Blank (BK31773-BLK1)								Prepared & Analyzed: 11/28/2023			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BK31773-DUP1)	*Source sample: 23K1249-01 (Duplicate)							Prepared & Analyzed: 11/28/2023			
Mercury	ND	0.0336	mg/kg dry		0.0547					35	
Matrix Spike (BK31773-MS1)	*Source sample: 23K1249-01 (Matrix Spike)							Prepared & Analyzed: 11/28/2023			
Mercury	0.463		mg/kg	0.500	0.0489	82.8	75-125				
Reference (BK31773-SRM1)								Prepared & Analyzed: 11/28/2023			
Mercury	19.522		mg/kg	18.2		107	59.9-140.1				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31495 - Analysis Preparation Soil											
Blank (BK31495-BLK1)								Prepared & Analyzed: 11/22/2023			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BK31495-DUP1)	*Source sample: 23K1319-01 (Duplicate)							Prepared & Analyzed: 11/22/2023			
Cyanide, total	ND	0.500	mg/kg wet		ND					15	
Matrix Spike (BK31495-MS1)	*Source sample: 23K1319-01 (Matrix Spike)							Prepared & Analyzed: 11/22/2023			
Cyanide, total	8.35	0.500	mg/kg wet	10.0	ND	83.5	79.6-107				
Matrix Spike Dup (BK31495-MSD1)	*Source sample: 23K1319-01 (Matrix Spike Dup)							Prepared & Analyzed: 11/22/2023			
Cyanide, total	8.65	0.500	mg/kg wet	10.0	ND	86.5	79.6-107		3.53	200	
Reference (BK31495-SRM1)								Prepared & Analyzed: 11/22/2023			
Cyanide, total	188		ug/mL	131		143	44.4-156.5				
Batch BK31683 - EPA SW846-3060											
Blank (BK31683-BLK1)								Prepared & Analyzed: 11/27/2023			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BK31683-DUP1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)							Prepared & Analyzed: 11/27/2023			
Chromium, Hexavalent	ND	0.537	mg/kg dry		ND					35	
Matrix Spike (BK31683-MS1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)							Prepared & Analyzed: 11/27/2023			
Chromium, Hexavalent	20.7	0.537	mg/kg dry	21.5	ND	96.6	75-125				
Matrix Spike Dup (BK31683-MSD1)	*Source sample: 23K1322-02 (FILL Comp 6 Grabs)							Prepared & Analyzed: 11/27/2023			
Chromium, Hexavalent	20.0	0.537	mg/kg dry	21.5	ND	93.4	75-125		3.37	200	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31683 - EPA SW846-3060											
Reference (BK31683-SRM1)											Prepared & Analyzed: 11/27/2023
Chromium, Hexavalent	224		mg/L	227		98.7	42.3-157.7				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK31804 - % Solids Prep											
Duplicate (BK31804-DUP1)	*Source sample: 23K1320-01 (Duplicate)								Prepared & Analyzed: 11/29/2023		
% Solids	98.3	0.100	%		97.1				1.15	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23K1322-01	FILL VOC Grab	2 oz. WM Clear Glass Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
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.

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.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 23K1322

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: Restoration LLC	SAME ☐ Dr. JM Cervino	SAME ☐	Hunters Point Recycle	RUSH-Same Day ___
Address: 9-22 119st College Pt New York	Name: & Hunters Pt Recycle	Name: Hunters Poin	Long Island City	RUSH-Next Day ___
Phone.: 917-620-5287	Company: & Restoration	Compan: Recycle		RUSH-Two Day ___
Contact: Dr James Cervino	Address: Conservation LLC	Address:	Queens County	RUSH-Three Day ___
E-mail: jamescervino@gmail.com	E-mail:	E-mail	Samples from CT__NYX_NJ__	RUSH-Four Day ___
				Standard (5-7day) XX

Report/Deliverable Type	
Summary Report	Yes
QA Report	Yes
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	
NJDEP Reduced Deliv	
Excel	Yes
NYSDEC EQuIS	
NJDEP SRP HazSite EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	Unrestricted Use + NJDEP Res
OTHER:	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Dr James M. Cervino
Samples Collected/Authorized By (Signature)
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
	November			
FILL	11/20/2023		Full NJDEP Parameters +EPH	1 8OZ
VOC Grab				1 2OZ
Comp 6 Grabs				

Comments:

1,800CY
Clean Processed Soils; No Historic Fill

PID-VOC 5 Grabs= ND

Preservation (check all applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time 11/20/23 1720	Samples Received By	Date/Time 11/20/23
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time 11/20/23 20:10

Temperature on Receipt 4.0 °C

Rec: Ramon York 11/20/23 1720 Rel: Ramon York 11/20/23 20:10

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NJDEP Soil Remediation Stds Ingestion Dermal Exposure -Residential 051721	NJDEP Soil Remediation Stds Inhalation Exposure - Residential 051721	NJDEP SRP Residential Direct Contact Soil Remediation Standard-RDCSRS	FILL VOC Grab 23K1322-01 11/20/2023 2:16:00 PM Soil		FILL Comp 6 Grabs 23K1322-02 11/20/2023 2:16:00 PM Soil	
Compound	**CAS Number**					Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg			
Dilution Factor						1			
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	0.00270	U	NT	
1,1,1-Trichloroethane	71-55-6	0.68	160,000	~	160,000	0.00270	U	NT	
1,1,2,2-Tetrachloroethane	79-34-5	~	3.5	~	1	0.00270	U	NT	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	NA	~	~	0.00270	U	NT	
1,1,2-Trichloroethane	79-00-5	~	12	~	2	0.00270	U	NT	
1,1-Dichloroethane	75-34-3	0.27	120	~	8	0.00270	U	NT	
1,1-Dichloroethylene	75-35-4	0.33	11	52	11	0.00270	U	NT	
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	0.00270	U	NT	
1,2,3-Trichloropropane	96-18-4	~	~	~	~	0.00270	U	NT	
1,2,4-Trichlorobenzene	120-82-1	~	780	94	73	0.00270	U	NT	
1,2,4-Trimethylbenzene	95-63-6	3.6	780	~	~	0.00270	U	NT	
1,2-Dibromo-3-chloropropane	96-12-8	~	0.87	0.026	0.08	0.00270	U	NT	
1,2-Dibromoethane	106-93-4	~	0.35	0.085	0.008	0.00270	U	NT	
1,2-Dichlorobenzene	95-50-1	1.1	6,700	~	5,300	0.00270	U	NT	
1,2-Dichloroethane	107-06-2	0.02	5.8	71	0.9	0.00270	U	NT	
1,2-Dichloropropane	78-87-5	~	19	5.7	2	0.00270	U	NT	
1,3,5-Trimethylbenzene	108-67-8	8.4	~	~	~	0.00270	U	NT	
1,3-Dichlorobenzene	541-73-1	2.4	6,700	~	5,300	0.00270	U	NT	
1,3-Dichloropropane	142-28-9	~	~	~	~	0.00270	U	NT	
1,4-Dichlorobenzene	106-46-7	1.8	780	~	5	0.00270	U	NT	
1,4-Dioxane	123-91-1	0.1	7.0	45	~	0.0530	U	NT	
2-Butanone	78-93-3	0.12	47,000	~	3,100	0.00270	U	NT	
2-Hexanone	591-78-6	~	390	1,000	~	0.00270	U	NT	
4-Methyl-2-pentanone	108-10-1	~	NA	~	~	0.00270	U	NT	
Acetone	67-64-1	0.05	70,000	~	70,000	0.00530	U	NT	
Acrolein	107-02-8	~	~	~	0.5	0.00530	U	NT	
Acrylonitrile	107-13-1	~	~	~	0.9	0.00270	U	NT	
Benzene	71-43-2	0.06	3.0	2.2	2	0.00270	U	NT	
Bromochloromethane	74-97-5	~	~	~	~	0.00270	U	NT	
Bromodichloromethane	75-27-4	~	11	~	1	0.00270	U	NT	
Bromoform	75-25-2	~	88	~	81	0.00270	U	NT	
Bromomethane	74-83-9	~	110	18	25	0.00270	U	NT	
Carbon disulfide	75-15-0	~	NA	~	7,800	0.00270	U	NT	
Carbon tetrachloride	56-23-5	0.76	7.6	1.4	2	0.00270	U	NT	
Chlorobenzene	108-90-7	1.1	510	~	510	0.00270	U	NT	
Chloroethane	75-00-3	~	NA	~	220	0.00270	U	NT	
Chloroform	67-66-3	0.37	780	590	0.6	0.00270	U	NT	
Chloromethane	74-87-3	~	NA	270	4	0.00270	U	NT	
cis-1,2-Dichloroethylene	156-59-2	0.25	780	~	230	0.00270	U	NT	
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	2	0.00270	U	NT	
Cyclohexane	110-82-7	~	NA	~	~	0.00270	U	NT	
Dibromochloromethane	124-48-1	~	8.3	~	3	0.00270	U	NT	
Dibromomethane	74-95-3	~	~	~	~	0.00270	U	NT	
Dichlorodifluoromethane	75-71-8	~	16,000	~	490	0.00270	U	NT	
Ethyl Benzene	100-41-4	1	7,800	10	7,800	0.00270	U	NT	
Hexachlorobutadiene	87-68-3	~	8.9	~	6	0.00270	U	NT	
Isopropylbenzene	98-82-8	~	7,800	~	~	0.00270	U	NT	
Methyl acetate	79-20-9	~	78,000	~	78,000	0.00270	U	NT	
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	780	140	110	0.00270	U	NT	

Methylcyclohexane	108-87-2	~	~	~	~	0.00270	U	NT	
Methylene chloride	75-09-2	0.05	50	1,400	46	0.0100	JB	NT	
n-Butylbenzene	104-51-8	12	~	~	~	0.00270	U	NT	
n-Propylbenzene	103-65-1	3.9	~	~	~	0.00270	U	NT	
o-Xylene	95-47-6	~	12,000	~	~	0.00270	U	NT	
p- & m- Xylenes	179601-23-1	~	12,000	~	~	0.00530	U	NT	
p-Isopropyltoluene	99-87-6	~	~	~	~	0.00270	U	NT	
sec-Butylbenzene	135-98-8	11	~	~	~	0.00270	U	NT	
Styrene	100-42-5	~	16,000	~	90	0.00270	U	NT	
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	0.00270	U	NT	
tert-Butylbenzene	98-06-6	5.9	~	~	~	0.00270	U	NT	
Tetrachloroethylene	127-18-4	1.3	330	47	43	0.00270	U	NT	
Toluene	108-88-3	0.7	6,300	~	6,300	0.00270	U	NT	
trans-1,2-Dichloroethylene	156-60-5	0.19	1,300	~	300	0.00270	U	NT	
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	2	0.00270	U	NT	
Trichloroethylene	79-01-6	0.47	15	3.0	3	0.00270	U	NT	
Trichlorofluoromethane	75-69-4	~	23,000	~	23,000	0.00270	U	NT	
Vinyl Chloride	75-01-4	0.02	0.97	1.4	0.7	0.00270	U	NT	
Xylenes, Total	1330-20-7	0.26	12,000	~	12,000	0.00800	U	NT	
Volatile Organics, Tentatively Identified Cmpds.						mg/kg			
Dilution Factor						1			
Tentatively Identified Compounds		~	~	~	~	0	U	NT	
Semi-Volatiles, NJDEP/TCL/Part 375 List		mg/Kg	mg/Kg	mg/Kg	mg/Kg			mg/Kg	
Dilution Factor								2	
1,1-Biphenyl	92-52-4	~	87	~	61	NT		0.0441	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	23	~	~	NT		0.0880	U
1,2,4-Trichlorobenzene	120-82-1	~	780	94	73	NT		0.0441	U
1,2-Dichlorobenzene	95-50-1	1.1	6,700	~	5,300	NT		0.0441	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	0.7	NT		0.0441	U
1,3-Dichlorobenzene	541-73-1	2.4	6,700	~	5,300	NT		0.0441	U
1,4-Dichlorobenzene	106-46-7	1.8	780	~	5	NT		0.0441	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	1,900	~	~	NT		0.0880	U
2,4,5-Trichlorophenol	95-95-4	~	6,300	~	6,100	NT		0.0441	U
2,4,6-Trichlorophenol	88-06-2	~	49	~	19	NT		0.0441	U
2,4-Dichlorophenol	120-83-2	~	190	~	180	NT		0.0441	U
2,4-Dimethylphenol	105-67-9	~	1,300	~	1,200	NT		0.0441	U
2,4-Dinitrophenol	51-28-5	~	0.80	~	120	NT		0.0880	U
2,4-Dinitrotoluene	121-14-2	~	0.80	~	0.7	NT		0.0441	U
2,6-Dinitrotoluene	606-20-2	~	0.80	~	0.7	NT		0.0441	U
2-Chloronaphthalene	91-58-7	~	4,800	~	~	NT		0.0441	U
2-Chlorophenol	95-57-8	~	390	~	310	NT		0.0441	U
2-Methylnaphthalene	91-57-6	~	240	~	230	NT		0.0441	U
2-Methylphenol	95-48-7	0.33	320	~	310	NT		0.0441	U
2-Nitroaniline	88-74-4	~	~	~	39	NT		0.0880	U
2-Nitrophenol	88-75-5	~	~	~	~	NT		0.0441	U
3- & 4-Methylphenols	65794-96-9	0.33	630	~	31	NT		0.0441	U
3,3-Dichlorobenzidine	91-94-1	~	1.2	~	1	NT		0.0441	U
3-Nitroaniline	99-09-2	~	~	~	~	NT		0.0880	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	6	NT		0.0880	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	NT		0.0441	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	NT		0.0441	U
4-Chloroaniline	106-47-8	~	2.7	~	~	NT		0.0441	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	NT		0.0441	U
4-Nitroaniline	100-01-6	~	27	~	~	NT		0.0880	U
4-Nitrophenol	100-02-7	~	~	~	~	NT		0.0880	U
Acenaphthene	83-32-9	20	3,600	~	3,400	NT		0.0441	U

Acenaphthylene	208-96-8	100	~	~	NR	NT		0.0441	U
Acetophenone	98-86-2	~	7,800	~	2	NT		0.0441	U
Aniline	62-53-3	~	~	~	~	NT		0.176	U
Anthracene	120-12-7	100	18,000	~	17,000	NT		0.0845	JD
Atrazine	1912-24-9	~	220	~	210	NT		0.0441	U
Benzaldehyde	100-52-7	~	170	~	6100	NT		0.0441	U
Benzidine	92-87-5	~	~	~	0.7	NT		0.176	U
Benzo(a)anthracene	56-55-3	1	5.1	78,000	5	NT		0.362	D
Benzo(a)pyrene	50-32-8	1	0.51	3,500	0.5	NT		0.369	D
Benzo(a)pyrene (BAP) Equivalent-BAPE		~	~	~	~	NT		0.476	D
Benzo(b)fluoranthene	205-99-2	1	5.1	78,000	5	NT		0.325	D
Benzo(g,h,i)perylene	191-24-2	100	~	~	380,000	NT		0.250	D
Benzo(k)fluoranthene	207-08-9	0.8	51	780,000	45	NT		0.259	D
Benzoic acid	65-85-0	~	~	~	~	NT		0.0441	U
Benzyl alcohol	100-51-6	~	~	~	~	NT		0.0441	U
Benzyl butyl phthalate	85-68-7	~	290	~	1,200	NT		0.0441	U
Bis(2-chloroethoxy)methane	111-91-1	~	190	~	~	NT		0.0441	U
Bis(2-chloroethyl)ether	111-44-4	~	0.63	~	0.4	NT		0.0441	U
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	23	NT		0.0441	U
Bis(2-ethylhexyl)phthalate	117-81-7	~	39	~	35	NT		0.0753	JD
Caprolactam	105-60-2	~	32,000	290	31,000	NT		0.0880	U
Carbazole	86-74-8	~	~	~	24	NT		0.0441	U
Chrysene	218-01-9	1	510	~	450	NT		0.351	D
Dibenzo(a,h)anthracene	53-70-3	0.33	0.51	7,800	0.5	NT		0.0823	JD
Dibenzofuran	132-64-9	7	~	~	~	NT		0.0441	U
Diethyl phthalate	84-66-2	~	51,000	~	49,000	NT		0.0441	U
Dimethyl phthalate	131-11-3	~	~	~	~	NT		0.0441	U
Di-n-butyl phthalate	84-74-2	~	6,300	~	6,100	NT		0.0441	U
Di-n-octyl phthalate	117-84-0	~	630	~	2,400	NT		0.0441	U
Fluoranthene	206-44-0	100	2,400	~	2,300	NT		0.653	D
Fluorene	86-73-7	30	2,400	~	2,300	NT		0.0441	U
Hexachlorobenzene	118-74-1	0.33	0.43	~	0.3	NT		0.0441	U
Hexachlorobutadiene	87-68-3	~	8.9	~	6	NT		0.0441	U
Hexachlorocyclopentadiene	77-47-4	~	470	2.7	45	NT		0.0441	U
Hexachloroethane	67-72-1	~	17	~	12	NT		0.0441	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.1	78,000	5	NT		0.266	D
Isophorone	78-59-1	~	570	~	510	NT		0.0441	U
Naphthalene	91-20-3	12	2,500	5.7	6	NT		0.0619	JD
Nitrobenzene	98-95-3	~	160	7.5	5	NT		0.0441	U
N-Nitrosodimethylamine	62-75-9	~	~	~	0.7	NT		0.0441	U
N-nitroso-di-n-propylamine	621-64-7	~	0.17	~	0.2	NT		0.0441	U
N-Nitrosodiphenylamine	86-30-6	~	110	~	99	NT		0.0441	U
Pentachlorophenol	87-86-5	0.8	1.0	~	0.9	NT		0.0441	U
Phenanthrene	85-01-8	100	~	~	NR	NT		0.342	D
Phenol	108-95-2	0.33	19,000	39,000	18,000	NT		0.0441	U
Pyrene	129-00-0	100	1,800	~	1,700	NT		0.681	D
Pyridine	110-86-1	~	~	~	~	NT		0.176	U
Semi-Volatiles, Parathion by 8270								mg/kg	
Dilution Factor								2	
Parathion	56-38-2	~	~	~	~	NT		0.0880	U
Semi-Volatiles, Tentatively Identified Cmpds.								mg/kg	
Dilution Factor								2	
Tentatively Identified Compounds		~	~	~	~	NT		0	U
Pesticides, NJDEP/TCL List		mg/Kg	mg/Kg		mg/Kg			mg/Kg	
Dilution Factor								5	
4,4'-DDD	72-54-8	0.0033	2.3	~	3	NT		0.00177	U

4,4'-DDE	72-55-9	0.0033	2.0	~	2	NT		0.00177	U
4,4'-DDT	50-29-3	0.0033	1.9	~	2	NT		**0.00362**	D
Aldrin	309-00-2	0.005	0.041	~	0.04	NT		0.00177	U
alpha-BHC	319-84-6	0.02	0.086	~	0.1	NT		0.00177	U
alpha-Chlordane	5103-71-9	0.094	~	~	0.2	NT		0.00356	D
beta-BHC	319-85-7	0.036	0.30	~	0.4	NT		0.00177	U
Chlordane, total	57-74-9	~	0.27	~	~	NT		0.0289	D
Chlordane, total (alpha, gamma)	57-74-9	~	~	~	~	NT		0.00177	U
delta-BHC	319-86-8	0.04	~	~	~	NT		0.00177	U
Dieldrin	60-57-1	0.005	0.034	~	0.04	NT		0.00373	D
Endosulfan I	959-98-8	2.4	470	~	470	NT		0.00177	U
Endosulfan II	33213-65-9	2.4	470	~	470	NT		0.00177	U
Endosulfan sulfate	1031-07-8	2.4	~	~	470	NT		0.00177	U
Endrin	72-20-8	0.014	19	~	23	NT		0.00177	U
Endrin aldehyde	7421-93-4	~	~	~	~	NT		0.00177	U
Endrin ketone	53494-70-5	~	~	~	~	NT		0.00177	U
gamma-BHC (Lindane)	58-89-9	0.1	0.57	~	0.4	NT		0.00177	U
gamma-Chlordane	5566-34-7	~	~	~	0.2	NT		0.00364	D
Heptachlor	76-44-8	0.042	0.15	~	0.1	NT		0.00177	U
Heptachlor epoxide	1024-57-3	~	0.076	~	0.07	NT		0.00177	U
Methoxychlor	72-43-5	~	320	~	390	NT		0.00883	U
Toxaphene	8001-35-2	~	0.49	~	0.6	NT		0.0893	U
NJDEP EPH (Cat. 2 Non-Fractionated)					mg/Kg			mg/Kg	
Dilution Factor								1	
Total EPH		~	~	~	1,700	NT		53.100	U
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg			mg/Kg	
Dilution Factor								1	
Aluminum	7429-90-5	~	78,000	~	78,000	NT		6,370	
Antimony	7440-36-0	~	31	~	31	NT		2.240	U
Arsenic	7440-38-2	13	19	1,100	19	NT		2.810	
Barium	7440-39-3	350	16,000	870,000	16,000	NT		51.300	
Beryllium	7440-41-7	7.2	160	2,000	16	NT		0.0450	U
Cadmium	7440-43-9	2.5	71	2,600	78	NT		0.268	U
Calcium	7440-70-2	~	~	~	~	NT		10,200	B
Chromium	7440-47-3	~	~	~	NR	NT		14.500	B
Cobalt	7440-48-4	~	23	520	1,600	NT		4.130	
Copper	7440-50-8	50	3,100	~	3,100	NT		19.800	
Iron	7439-89-6	~	~	~	~	NT		10,000	
Lead	7439-92-1	63	400	~	400	NT		55.400	
Magnesium	7439-95-4	~	~	~	~	NT		3,340	
Manganese	7439-96-5	1600	1,900	87,000	11,000	NT		205	
Nickel	7440-02-0	30	1,600	20,000	1,600	NT		11.600	
Potassium	7440-09-7	~	~	~	~	NT		771	
Selenium	7782-49-2	3.9	390	~	390	NT		2.240	U
Silver	7440-22-4	2	390	~	390	NT		0.451	U
Sodium	7440-23-5	~	~	~	~	NT		208	
Thallium	7440-28-0	~	~	~	~	NT		2.240	U
Vanadium	7440-62-2	~	390	170,000	78	NT		19.100	
Zinc	7440-66-6	109	23,000	~	23,000	NT		35.400	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg			mg/Kg	
Dilution Factor								1	
Mercury	7439-97-6	0.18	23	520,000	23	NT		**0.243**	
Chromium, Hexavalent		mg/Kg			mg/Kg			mg/Kg	
Dilution Factor								1	
Chromium, Hexavalent	18540-29-9	1	~	~	240	NT		0.537	U
Cyanide, Total		mg/Kg	mg/Kg		mg/Kg			mg/Kg	

Dilution Factor								1	
Cyanide, total	57-12-5	27	47	~	47	NT		0.537	U
Total Solids						%		%	
Dilution Factor						1		1	
% Solids	solids	~	~	~	~	93.100		93.200	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg		mg/Kg			mg/Kg	
Dilution Factor								1	
Aroclor 1016	12674-11-2	~	~	~	~	NT		0.0178	U
Aroclor 1221	11104-28-2	~	~	~	~	NT		0.0178	U
Aroclor 1232	11141-16-5	~	~	~	~	NT		0.0178	U
Aroclor 1242	53469-21-9	~	~	~	~	NT		0.0178	U
Aroclor 1248	12672-29-6	~	~	~	~	NT		0.0178	U
Aroclor 1254	11097-69-1	~	~	~	~	NT		0.0178	U
Aroclor 1260	11096-82-5	~	~	~	~	NT		0.0178	U
Total PCBs	1336-36-3	0.1	0.25	~	0.2	NT		0.0178	U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Hunters Point Recycling
29-55 Hunters Point Avenue
Long Island City NY, 11101
Phone: (718) 784-2181
Fax: (718) 784-2610

Billing Address:
213-19 99th Ave.
Queens Village, NY 11429
Phone: 718-776-2027
Fax: 718-465-5100

Ticket #: 246518
Date: 12/22/2023 9:03 AM

Customer: JCC CONST
JCC CONSTRUCTION CORP
24-02 39TH AVE
L.I.C NY, 11101

Order Number: 612
~~LAGUARDIA~~ HOUSES
Tons: 0.000
Loads: 152

K&D EQUIPMENT - 68372MJ
KP - KAREN
Remarks: Thanks

POSTED

Pits house.

Signature:

Material	Quantity	Price	Material $	Delivery $	Misc $	Tax $	Line Total $
SCREENED FILL	6.000 YD						

Hunters Point Recycling
29-55 Hunters Point Avenue
Long Island City NY, 11101
Phone: (718) 784-2181
Fax: (718) 784-2610

Billing Address:
213-19 99th Ave.
Queens Village, NY 11429
Phone: 718-776-2027
Fax: 718-465-5100

Ticket #: 246477
Date: 12/22/2023 6:52 AM

Customer: JCC CONST
JCC CONSTRUCTION CORP
24-02 39TH AVE
L.I.C NY, 11101

Order Number: 589
RAVENSWOOD HOUSES
Tons: 0.000
Loads: 131

K&D EQUIPMENT - 68372MJ
SUP - JOE
Remarks: Thanks Reeeses

Payment Information

Type	Amount	Number
Credit Card	$486.00	33022

Signature:

Material	Quantity	Price	Material $	Delivery $	Misc $	Tax $	Line Total $
PIPE SAND	18.000 YD	$27.00	$486.00	$0.00	$0.00	$0.00	$486.00

$486.00

Appendix F- CAMP Data

TrakPro Version 4.70 ASCII Data File DustTrak Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/14/2023

Upwind Station Serial #: 8530173732		Downwind Station Serial #: 8530171606		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (mg/m3)	Time	15-min Avg. (mg/m3)		
9:27:18 AM	0.005	9:29:24 AM	0.202	-0.197	temporary vehicle idling near
9:42:18 AM	0.005	9:44:24 AM	0.018	-0.013	downwind station - removed
9:57:18 AM	0.005	9:59:24 AM	0.019	-0.014	
10:12:18 AM	0.004	10:14:24 AM	0.007	-0.003	
10:27:18 AM	0.005	10:29:24 AM	0.061	-0.056	
10:42:18 AM	0.006	10:44:24 AM	0.006	0.000	
10:57:18 AM	0.005	10:59:24 AM	0.005	0.000	
11:12:18 AM	0.007	11:14:24 AM	0.008	-0.001	
11:27:18 AM	0.006	11:29:24 AM	0.007	-0.001	
11:42:18 AM	0.012	11:44:24 AM	0.013	-0.001	
11:57:18 AM	0.006	11:59:24 AM	0.005	0.001	
12:12:18 PM	0.006	12:14:24 PM	0.006	0.000	
12:27:18 PM	0.005	12:29:24 PM	0.005	0.000	
12:42:18 PM	0.006	12:44:24 PM	0.005	0.001	
12:57:18 PM	0.006	12:59:24 PM	0.004	0.002	
1:12:18 PM	0.005	1:14:24 PM	0.006	-0.001	
1:27:18 PM	0.005	1:29:24 PM	0.004	0.001	
1:42:18 PM	0.006	1:44:24 PM	0.005	0.001	
1:57:18 PM	0.007	1:59:24 PM	0.006	0.001	
2:12:18 PM	0.007	2:14:24 PM	0.005	0.002	
2:27:18 PM	0.006	2:29:24 PM	0.005	0.001	
2:42:18 PM	0.007	2:44:24 PM	0.008	-0.001	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/14/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
10:20:09 AM	0.000	9:16:12 AM	0.100	-0.100	
10:21:09 AM	0.100	9:17:12 AM	0.100	0.000	
10:22:09 AM	0.100	9:18:12 AM	0.100	0.000	
10:23:09 AM	0.100	9:19:12 AM	0.100	0.000	
10:24:09 AM	0.100	9:20:12 AM	0.200	-0.100	
10:25:09 AM	0.100	9:21:12 AM	0.200	-0.100	
10:26:09 AM	0.100	9:22:12 AM	0.200	-0.100	
10:27:09 AM	0.100	9:23:12 AM	0.300	-0.200	
10:28:09 AM	0.100	9:24:12 AM	0.400	-0.300	
10:29:09 AM	0.100	9:25:12 AM	0.300	-0.200	
10:30:09 AM	0.100	9:26:12 AM	0.300	-0.200	
10:31:09 AM	0.100	9:27:12 AM	0.300	-0.200	
10:32:09 AM	0.100	9:28:12 AM	0.300	-0.200	
10:33:09 AM	0.100	9:29:12 AM	0.300	-0.200	
10:34:09 AM	0.100	9:30:12 AM	0.300	-0.200	
10:35:09 AM	0.100	9:31:12 AM	0.300	-0.200	
10:36:09 AM	0.100	9:32:12 AM	0.300	-0.200	
10:37:09 AM	0.100	9:33:12 AM	0.300	-0.200	
10:38:09 AM	0.100	9:34:12 AM	0.400	-0.300	
10:39:09 AM	0.100	9:35:12 AM	0.500	-0.400	
10:40:09 AM	0.100	9:36:12 AM	0.400	-0.300	
10:41:09 AM	0.100	9:37:12 AM	0.400	-0.300	
10:42:09 AM	0.100	9:38:12 AM	0.400	-0.300	
10:43:09 AM	0.100	9:39:12 AM	0.400	-0.300	
10:44:09 AM	0.100	9:40:12 AM	0.400	-0.300	
10:45:09 AM	0.100	9:41:12 AM	0.400	-0.300	
10:46:09 AM	0.100	9:42:12 AM	0.400	-0.300	
10:47:09 AM	0.200	9:43:12 AM	0.400	-0.200	
10:48:09 AM	0.200	9:44:12 AM	0.400	-0.200	
10:49:09 AM	0.200	9:45:12 AM	0.400	-0.200	
10:50:09 AM	0.200	9:46:12 AM	0.400	-0.200	
10:51:09 AM	0.200	9:47:12 AM	0.400	-0.200	
10:52:09 AM	0.200	9:48:12 AM	0.400	-0.200	
10:53:09 AM	0.200	9:49:12 AM	0.400	-0.200	
10:54:09 AM	0.200	9:50:12 AM	0.400	-0.200	
10:55:09 AM	0.200	9:51:12 AM	0.400	-0.200	
10:56:09 AM	0.200	9:52:12 AM	0.400	-0.200	
10:57:09 AM	0.200	9:53:12 AM	0.400	-0.200	
10:58:09 AM	0.200	9:54:12 AM	0.400	-0.200	
10:59:09 AM	0.200	9:55:12 AM	0.500	-0.300	
11:00:09 AM	0.200	9:56:12 AM	0.500	-0.300	
11:01:09 AM	0.200	9:57:12 AM	0.500	-0.300	
11:02:09 AM	0.200	9:58:12 AM	0.500	-0.300	
11:03:09 AM	0.200	9:59:12 AM	0.400	-0.200	
11:04:09 AM	0.200	10:00:12 AM	0.400	-0.200	
11:05:09 AM	0.200	10:01:12 AM	0.400	-0.200	
11:06:09 AM	0.200	10:02:12 AM	0.400	-0.200	
11:07:09 AM	0.200	10:03:12 AM	0.400	-0.200	
11:08:09 AM	0.200	10:04:12 AM	0.400	-0.200	
11:09:09 AM	0.200	10:05:12 AM	0.400	-0.200	
11:10:09 AM	0.200	10:06:12 AM	0.400	-0.200	
11:11:09 AM	0.200	10:07:12 AM	0.400	-0.200	
11:12:09 AM	0.200	10:08:12 AM	0.400	-0.200	
11:13:09 AM	0.200	10:09:12 AM	0.400	-0.200	
11:14:09 AM	0.200	10:10:12 AM	0.400	-0.200	
11:15:09 AM	0.200	10:11:12 AM	0.400	-0.200	
11:16:09 AM	0.200	10:12:12 AM	0.400	-0.200	
11:17:09 AM	0.300	10:13:12 AM	0.400	-0.100	
11:18:09 AM	0.300	10:14:12 AM	0.400	-0.100	
11:19:09 AM	0.300	10:15:12 AM	0.400	-0.100	
11:20:09 AM	0.300	10:16:12 AM	0.400	-0.100	
11:21:09 AM	0.300	10:17:12 AM	0.400	-0.100	
11:22:09 AM	0.300	10:18:12 AM	0.400	-0.100	
11:23:09 AM	0.300	10:19:12 AM	0.400	-0.100	

11:24:09 AM	0.300	10:20:12 AM	0.400	-0.100	
11:25:09 AM	0.200	10:21:12 AM	0.400	-0.200	
11:26:09 AM	0.200	10:22:12 AM	0.400	-0.200	
11:27:09 AM	0.200	10:23:12 AM	0.400	-0.200	
11:28:09 AM	0.200	10:24:12 AM	0.400	-0.200	
11:29:09 AM	0.200	10:25:12 AM	0.400	-0.200	
11:30:09 AM	0.200	10:26:12 AM	0.400	-0.200	
11:31:09 AM	0.200	10:27:12 AM	0.400	-0.200	
11:32:09 AM	0.200	10:28:12 AM	0.400	-0.200	
11:33:09 AM	0.200	10:29:12 AM	0.400	-0.200	
11:34:09 AM	0.200	10:30:12 AM	0.400	-0.200	
11:35:09 AM	0.200	10:31:12 AM	0.400	-0.200	
11:36:09 AM	0.300	10:32:12 AM	0.400	-0.100	
11:37:09 AM	0.200	10:33:12 AM	0.400	-0.200	
11:38:09 AM	0.200	10:34:12 AM	0.400	-0.200	
11:39:09 AM	0.200	10:35:12 AM	0.400	-0.200	
11:40:09 AM	0.200	10:36:12 AM	0.400	-0.200	
11:41:09 AM	0.300	10:37:12 AM	0.400	-0.100	
11:42:09 AM	0.300	10:38:12 AM	0.400	-0.100	
11:43:09 AM	0.300	10:39:12 AM	0.400	-0.100	
11:44:09 AM	0.300	10:40:12 AM	0.400	-0.100	
11:45:09 AM	0.300	10:41:12 AM	0.400	-0.100	
11:46:09 AM	0.300	10:42:12 AM	0.400	-0.100	
11:47:09 AM	0.300	10:43:12 AM	0.400	-0.100	
11:48:09 AM	0.300	10:44:12 AM	0.600	-0.300	
11:49:09 AM	0.300	10:45:12 AM	0.500	-0.200	
11:50:09 AM	0.300	10:46:12 AM	0.400	-0.100	
11:51:09 AM	0.300	10:47:12 AM	0.400	-0.100	
11:52:09 AM	0.300	10:48:12 AM	0.400	-0.100	
11:53:09 AM	0.300	10:49:12 AM	0.400	-0.100	
11:54:09 AM	0.300	10:50:12 AM	0.400	-0.100	
11:55:09 AM	0.300	10:51:12 AM	0.400	-0.100	
11:56:09 AM	0.300	10:52:12 AM	0.500	-0.200	
11:57:09 AM	0.300	10:53:12 AM	0.500	-0.200	
11:58:09 AM	0.300	10:54:12 AM	0.500	-0.200	
11:59:09 AM	0.300	10:55:12 AM	0.400	-0.100	
12:00:09 PM	0.300	10:56:12 AM	0.400	-0.100	
12:01:09 PM	0.300	10:57:12 AM	0.400	-0.100	
12:02:09 PM	0.300	10:58:12 AM	0.400	-0.100	
12:03:09 PM	0.300	10:59:12 AM	0.500	-0.200	
12:04:09 PM	0.300	11:00:12 AM	0.500	-0.200	
12:05:09 PM	0.300	11:01:12 AM	0.400	-0.100	
12:06:09 PM	0.300	11:02:12 AM	0.400	-0.100	
12:07:09 PM	0.300	11:03:12 AM	0.400	-0.100	
12:08:09 PM	0.300	11:04:12 AM	0.400	-0.100	
12:09:09 PM	0.300	11:05:12 AM	0.400	-0.100	
12:10:09 PM	0.300	11:06:12 AM	0.400	-0.100	
12:11:09 PM	0.300	11:07:12 AM	0.700	-0.400	
12:12:09 PM	0.300	11:08:12 AM	0.900	-0.600	
12:13:09 PM	0.300	11:09:12 AM	0.400	-0.100	
12:14:09 PM	0.300	11:10:12 AM	0.400	-0.100	
12:15:09 PM	0.300	11:11:12 AM	0.400	-0.100	
12:16:09 PM	0.300	11:12:12 AM	0.400	-0.100	
12:17:09 PM	0.300	11:13:12 AM	0.400	-0.100	
12:18:09 PM	0.300	11:14:12 AM	0.400	-0.100	
12:19:09 PM	0.300	11:15:12 AM	0.400	-0.100	
12:20:09 PM	0.300	11:16:12 AM	0.400	-0.100	
12:21:09 PM	0.300	11:17:12 AM	0.400	-0.100	
12:22:09 PM	0.300	11:18:12 AM	0.400	-0.100	
12:23:09 PM	0.300	11:19:12 AM	0.400	-0.100	
12:24:09 PM	0.300	11:20:12 AM	0.400	-0.100	
12:25:09 PM	0.300	11:21:12 AM	0.400	-0.100	
12:26:09 PM	0.200	11:22:12 AM	0.400	-0.200	
12:27:09 PM	0.200	11:23:12 AM	0.400	-0.200	
12:28:09 PM	0.200	11:24:12 AM	0.400	-0.200	
12:29:09 PM	0.200	11:25:12 AM	0.400	-0.200	
12:30:09 PM	0.200	11:26:12 AM	0.400	-0.200	
12:31:09 PM	0.200	11:27:12 AM	0.400	-0.200	
12:32:09 PM	0.200	11:28:12 AM	0.400	-0.200	
12:33:09 PM	0.200	11:29:12 AM	0.400	-0.200	
12:34:09 PM	0.200	11:30:12 AM	0.400	-0.200	
12:35:09 PM	0.200	11:31:12 AM	0.400	-0.200	
12:36:09 PM	0.200	11:32:12 AM	0.400	-0.200	

12:37:09 PM	0.200	11:33:12 AM	0.400	-0.200	
12:38:09 PM	0.200	11:34:12 AM	0.400	-0.200	
12:39:09 PM	0.200	11:35:12 AM	0.400	-0.200	
12:40:09 PM	0.200	11:36:12 AM	0.400	-0.200	
12:41:09 PM	0.200	11:37:12 AM	0.600	-0.400	
12:42:09 PM	0.200	11:38:12 AM	0.700	-0.500	
12:43:09 PM	0.200	11:39:12 AM	0.400	-0.200	
12:44:09 PM	0.200	11:40:12 AM	0.400	-0.200	
12:45:09 PM	0.200	11:41:12 AM	0.400	-0.200	
12:46:09 PM	0.200	11:42:12 AM	0.400	-0.200	
12:47:09 PM	0.200	11:43:12 AM	0.400	-0.200	
12:48:09 PM	0.200	11:44:12 AM	0.400	-0.200	
12:49:09 PM	0.200	11:45:12 AM	0.400	-0.200	
12:50:09 PM	0.200	11:46:12 AM	0.400	-0.200	
12:51:09 PM	0.200	11:47:12 AM	0.400	-0.200	
12:52:09 PM	0.200	11:48:12 AM	0.400	-0.200	
12:53:09 PM	0.200	11:49:12 AM	0.400	-0.200	
12:54:09 PM	0.200	11:50:12 AM	0.400	-0.200	
12:55:09 PM	0.200	11:51:12 AM	0.400	-0.200	
12:56:09 PM	0.200	11:52:12 AM	0.400	-0.200	
12:57:09 PM	0.200	11:53:12 AM	0.400	-0.200	
12:58:09 PM	0.200	11:54:12 AM	0.400	-0.200	
12:59:09 PM	0.200	11:55:12 AM	0.400	-0.200	
1:00:09 PM	0.200	11:56:12 AM	0.400	-0.200	
1:01:09 PM	0.200	11:57:12 AM	0.400	-0.200	
1:02:09 PM	0.200	11:58:12 AM	0.400	-0.200	
1:03:09 PM	0.200	11:59:12 AM	0.400	-0.200	
1:04:09 PM	0.200	12:00:12 PM	0.400	-0.200	
1:05:09 PM	0.200	12:01:12 PM	0.400	-0.200	
1:06:09 PM	0.200	12:02:12 PM	0.400	-0.200	
1:07:09 PM	0.200	12:03:12 PM	0.400	-0.200	
1:08:09 PM	0.200	12:04:12 PM	0.400	-0.200	
1:09:09 PM	0.200	12:05:12 PM	0.400	-0.200	
1:10:09 PM	0.200	12:06:12 PM	0.400	-0.200	
1:11:09 PM	0.200	12:07:12 PM	0.400	-0.200	
1:12:09 PM	0.200	12:08:12 PM	0.400	-0.200	
1:13:09 PM	0.200	12:09:12 PM	0.400	-0.200	
1:14:09 PM	0.200	12:10:12 PM	0.400	-0.200	
1:15:09 PM	0.200	12:11:12 PM	0.400	-0.200	
1:16:09 PM	0.200	12:12:12 PM	0.400	-0.200	
1:17:09 PM	0.200	12:13:12 PM	0.400	-0.200	
1:18:09 PM	0.200	12:14:12 PM	0.400	-0.200	
1:19:09 PM	0.200	12:15:12 PM	0.400	-0.200	
1:20:09 PM	0.300	12:16:12 PM	0.400	-0.100	
1:21:09 PM	0.300	12:17:12 PM	0.400	-0.100	
1:22:09 PM	0.200	12:18:12 PM	0.400	-0.200	
1:23:09 PM	0.300	12:19:12 PM	0.400	-0.100	
1:24:09 PM	0.300	12:20:12 PM	0.400	-0.100	
1:25:09 PM	0.300	12:21:12 PM	0.400	-0.100	
1:26:09 PM	0.300	12:22:12 PM	0.400	-0.100	
1:27:09 PM	0.300	12:23:12 PM	0.400	-0.100	
1:28:09 PM	0.300	12:24:12 PM	0.400	-0.100	
1:29:09 PM	0.300	12:25:12 PM	0.400	-0.100	
1:30:09 PM	0.300	12:26:12 PM	0.400	-0.100	
1:31:09 PM	0.300	12:27:12 PM	0.400	-0.100	
1:32:09 PM	0.300	12:28:12 PM	0.400	-0.100	
1:33:09 PM	0.200	12:29:12 PM	0.400	-0.200	
1:34:09 PM	0.200	12:30:12 PM	0.400	-0.200	
1:35:09 PM	0.200	12:31:12 PM	0.400	-0.200	
1:36:09 PM	0.200	12:32:12 PM	0.400	-0.200	
1:37:09 PM	0.200	12:33:12 PM	0.400	-0.200	
1:38:09 PM	0.200	12:34:12 PM	0.400	-0.200	
1:39:09 PM	0.200	12:35:12 PM	0.400	-0.200	
1:40:09 PM	0.200	12:36:12 PM	0.400	-0.200	
1:41:09 PM	0.200	12:37:12 PM	0.400	-0.200	
1:42:09 PM	0.200	12:38:12 PM	0.400	-0.200	
1:43:09 PM	0.200	12:39:12 PM	0.400	-0.200	
1:44:09 PM	0.200	12:40:12 PM	0.400	-0.200	
1:45:09 PM	0.200	12:41:12 PM	0.400	-0.200	
1:46:09 PM	0.200	12:42:12 PM	0.400	-0.200	
1:47:09 PM	0.200	12:43:12 PM	0.400	-0.200	
1:48:09 PM	0.200	12:44:12 PM	0.400	-0.200	
1:49:09 PM	0.200	12:45:12 PM	0.400	-0.200	

1:50:09 PM	0.200	12:46:12 PM	0.400	-0.200	
1:51:09 PM	0.200	12:47:12 PM	0.400	-0.200	
1:52:09 PM	0.200	12:48:12 PM	0.400	-0.200	
1:53:09 PM	0.200	12:49:12 PM	0.400	-0.200	
1:54:09 PM	0.200	12:50:12 PM	0.400	-0.200	
1:55:09 PM	0.200	12:51:12 PM	0.400	-0.200	
1:56:09 PM	0.200	12:52:12 PM	0.400	-0.200	
1:57:09 PM	0.200	12:53:12 PM	0.400	-0.200	
1:58:09 PM	0.200	12:54:12 PM	0.400	-0.200	
1:59:09 PM	0.200	12:55:12 PM	0.400	-0.200	
2:00:09 PM	0.200	12:56:12 PM	0.400	-0.200	
2:01:09 PM	0.200	12:57:12 PM	0.400	-0.200	
2:02:09 PM	0.200	12:58:12 PM	0.400	-0.200	
2:03:09 PM	0.200	12:59:12 PM	0.400	-0.200	
2:04:09 PM	0.200	1:00:12 PM	0.400	-0.200	
2:05:09 PM	0.200	1:01:12 PM	0.400	-0.200	
2:06:09 PM	0.200	1:02:12 PM	0.400	-0.200	
2:07:09 PM	0.200	1:03:12 PM	0.400	-0.200	
2:08:09 PM	0.200	1:04:12 PM	0.400	-0.200	
2:09:09 PM	0.200	1:05:12 PM	0.400	-0.200	
2:10:09 PM	0.200	1:06:12 PM	0.400	-0.200	
2:11:09 PM	0.200	1:07:12 PM	0.400	-0.200	
2:12:09 PM	0.200	1:08:12 PM	0.400	-0.200	
2:13:09 PM	0.200	1:09:12 PM	0.400	-0.200	
2:14:09 PM	0.200	1:10:12 PM	0.400	-0.200	
2:15:09 PM	0.200	1:11:12 PM	0.400	-0.200	
2:16:09 PM	0.200	1:12:12 PM	0.400	-0.200	
2:17:09 PM	0.200	1:13:12 PM	0.400	-0.200	
2:18:09 PM	0.200	1:14:12 PM	0.400	-0.200	
2:19:09 PM	0.200	1:15:12 PM	0.400	-0.200	
2:20:09 PM	0.200	1:16:12 PM	0.400	-0.200	
2:21:09 PM	0.200	1:17:12 PM	0.400	-0.200	
2:22:09 PM	0.200	1:18:12 PM	0.400	-0.200	
2:23:09 PM	0.200	1:19:12 PM	0.400	-0.200	
2:24:09 PM	0.200	1:20:12 PM	0.400	-0.200	
2:25:09 PM	0.200	1:21:12 PM	0.400	-0.200	
2:26:09 PM	0.200	1:22:12 PM	0.400	-0.200	
2:27:09 PM	0.200	1:23:12 PM	0.400	-0.200	
2:28:09 PM	0.200	1:24:12 PM	0.400	-0.200	
2:29:09 PM	0.200	1:25:12 PM	0.500	-0.300	
2:30:09 PM	0.200	1:26:12 PM	0.500	-0.300	
2:31:09 PM	0.200	1:27:12 PM	0.500	-0.300	
2:32:09 PM	0.200	1:28:12 PM	0.500	-0.300	
2:33:09 PM	0.200	1:29:12 PM	0.500	-0.300	
2:34:09 PM	0.200	1:30:12 PM	0.400	-0.200	
2:35:09 PM	0.200	1:31:12 PM	0.400	-0.200	
2:36:09 PM	0.200	1:32:12 PM	0.500	-0.300	
2:37:09 PM	0.200	1:33:12 PM	0.500	-0.300	
2:38:09 PM	0.200	1:34:12 PM	0.500	-0.300	
2:39:09 PM	0.200	1:35:12 PM	0.400	-0.200	
2:40:09 PM	0.200	1:36:12 PM	0.500	-0.300	
2:41:09 PM	0.200	1:37:12 PM	0.700	-0.500	
2:42:09 PM	0.200	1:38:12 PM	0.500	-0.300	
2:43:09 PM	0.200	1:39:12 PM	0.500	-0.300	
2:44:09 PM	0.200	1:40:12 PM	0.500	-0.300	
2:45:09 PM	0.200	1:41:12 PM	0.500	-0.300	
2:46:09 PM	0.200	1:42:12 PM	0.500	-0.300	
2:47:09 PM	0.200	1:43:12 PM	0.500	-0.300	
2:48:09 PM	0.200	1:44:12 PM	0.400	-0.200	
2:49:09 PM	0.200	1:45:12 PM	0.500	-0.300	
2:50:09 PM	0.200	1:46:12 PM	0.500	-0.300	
2:51:09 PM	0.200	1:47:12 PM	0.500	-0.300	
2:52:09 PM	0.200	1:48:12 PM	0.500	-0.300	
2:53:09 PM	0.200	1:49:12 PM	0.500	-0.300	
2:54:09 PM	0.200	1:50:12 PM	0.500	-0.300	
2:55:09 PM	0.200	1:51:12 PM	0.500	-0.300	
2:56:09 PM	0.200	1:52:12 PM	0.500	-0.300	
2:57:09 PM	0.200	1:53:12 PM	0.500	-0.300	
2:58:09 PM	0.200	1:54:12 PM	0.500	-0.300	
2:59:09 PM	0.200	1:55:12 PM	0.500	-0.300	
3:00:09 PM	0.200	1:56:12 PM	0.500	-0.300	
3:01:09 PM	0.200	1:57:12 PM	0.500	-0.300	
3:02:09 PM	0.200	1:58:12 PM	0.500	-0.300	

3:03:09 PM	0.200	1:59:12 PM	0.500	-0.300	
3:04:09 PM	0.200	2:00:12 PM	0.400	-0.200	
3:05:09 PM	0.200	2:01:12 PM	0.500	-0.300	
3:06:09 PM	0.200	2:02:12 PM	0.500	-0.300	
3:07:09 PM	0.200	2:03:12 PM	0.500	-0.300	
3:08:09 PM	0.200	2:04:12 PM	0.500	-0.300	
3:09:09 PM	0.200	2:05:12 PM	0.500	-0.300	
3:10:09 PM	0.200	2:06:12 PM	0.500	-0.300	
3:11:09 PM	0.200	2:07:12 PM	0.500	-0.300	
3:12:09 PM	0.200	2:08:12 PM	0.500	-0.300	
3:13:09 PM	0.200	2:09:12 PM	0.500	-0.300	
3:14:09 PM	0.200	2:10:12 PM	0.400	-0.200	
3:15:09 PM	0.200	2:11:12 PM	0.500	-0.300	
3:16:09 PM	0.200	2:12:12 PM	0.500	-0.300	
3:17:09 PM	0.200	2:13:12 PM	0.500	-0.300	
3:18:09 PM	0.200	2:14:12 PM	0.500	-0.300	
3:19:09 PM	0.200	2:15:12 PM	0.500	-0.300	
3:20:09 PM	0.200	2:16:12 PM	0.500	-0.300	
3:21:09 PM	0.200	2:17:12 PM	0.500	-0.300	
3:22:09 PM	0.200	2:18:12 PM	0.400	-0.200	
3:23:09 PM	0.200	2:19:12 PM	0.500	-0.300	
3:24:09 PM	0.200	2:20:12 PM	0.500	-0.300	
3:25:09 PM	0.200	2:21:12 PM	0.400	-0.200	
3:26:09 PM	0.200	2:22:12 PM	0.400	-0.200	
3:27:09 PM	0.200	2:23:12 PM	0.400	-0.200	
3:28:09 PM	0.200	2:24:12 PM	0.500	-0.300	
3:29:09 PM	0.200	2:25:12 PM	0.400	-0.200	
3:30:09 PM	0.200	2:26:12 PM	0.400	-0.200	
3:31:09 PM	0.200	2:27:12 PM	0.500	-0.300	
3:32:09 PM	0.200	2:28:12 PM	0.400	-0.200	
3:33:09 PM	0.200	2:29:12 PM	0.400	-0.200	
3:34:09 PM	0.200	2:30:12 PM	0.400	-0.200	
3:35:09 PM	0.200	2:31:12 PM	0.500	-0.300	
3:36:09 PM	0.200	2:32:12 PM	0.500	-0.300	
3:37:09 PM	0.200	2:33:12 PM	0.500	-0.300	
3:38:09 PM	0.200	2:34:12 PM	0.400	-0.200	
3:39:09 PM	0.200	2:35:12 PM	0.400	-0.200	
3:40:09 PM	0.200	2:36:12 PM	0.400	-0.200	
3:41:09 PM	0.200	2:37:12 PM	0.400	-0.200	
3:42:09 PM	0.200	2:38:12 PM	0.400	-0.200	
3:43:09 PM	0.200	2:39:12 PM	0.400	-0.200	
3:44:09 PM	0.200	2:40:12 PM	0.400	-0.200	
3:45:09 PM	0.200	2:41:12 PM	0.400	-0.200	
3:46:09 PM	0.200	2:42:12 PM	0.400	-0.200	
3:47:09 PM	0.200	2:43:12 PM	0.400	-0.200	
3:48:09 PM	0.200	2:44:12 PM	0.400	-0.200	
3:49:09 PM	0.200	2:45:12 PM	0.400	-0.200	
3:50:09 PM	0.200	2:46:12 PM	0.400	-0.200	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 9:16 am - 2:46 pm.

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/15/2023

Upwind Station Serial #: 8530173732		Downwind Station Serial #: 8530171606		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (mg/m3)	Time	15-min Avg. (mg/m3)		
8:05:33 AM	0.194	8:02:54 AM	0.037	0.157	temporary elevated upwind
8:20:33 AM	0.037	8:17:54 AM	0.036	0.001	concentration from offsite source
8:35:33 AM	0.034	8:32:54 AM	0.032	0.002	
8:50:33 AM	0.031	8:47:54 AM	0.030	0.001	
9:05:33 AM	0.038	9:02:54 AM	0.029	0.009	
9:20:33 AM	0.032	9:17:54 AM	0.030	0.002	
9:35:33 AM	0.032	9:32:54 AM	0.029	0.003	
9:50:33 AM	0.035	9:47:54 AM	0.029	0.006	
10:05:33 AM	0.033	10:02:54 AM	0.029	0.004	
10:20:33 AM	0.033	10:17:54 AM	0.029	0.004	
10:35:33 AM	0.034	10:32:54 AM	0.030	0.004	
10:50:33 AM	0.035	10:47:54 AM	0.031	0.004	
11:05:33 AM	0.036	11:02:54 AM	0.033	0.003	
11:20:33 AM	0.034	11:17:54 AM	0.032	0.002	
11:35:33 AM	0.035	11:32:54 AM	0.044	-0.009	
11:50:33 AM	0.030	11:47:54 AM	0.027	0.003	
12:05:33 PM	0.032	12:02:54 PM	0.027	0.005	
12:20:33 PM	0.029	12:17:54 PM	0.025	0.004	
12:35:33 PM	0.030	12:32:54 PM	0.027	0.003	
12:50:33 PM	0.030	12:47:54 PM	0.026	0.004	
1:05:33 PM	0.029	1:02:54 PM	0.026	0.003	
1:20:33 PM	0.025	1:17:54 PM	0.021	0.004	
1:35:33 PM	0.025	1:32:54 PM	0.022	0.003	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/15/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:59:59 AM	0.100	7:50:24 AM	0.200	-0.100	
9:00:59 AM	0.100	7:51:24 AM	0.200	-0.100	
9:01:59 AM	0.100	7:52:24 AM	0.200	-0.100	
9:02:59 AM	0.100	7:53:24 AM	0.300	-0.200	
9:03:59 AM	0.100	7:54:24 AM	0.300	-0.200	
9:04:59 AM	0.100	7:55:24 AM	0.300	-0.200	
9:05:59 AM	0.100	7:56:24 AM	0.300	-0.200	
9:06:59 AM	0.100	7:57:24 AM	0.300	-0.200	
9:07:59 AM	0.100	7:58:24 AM	0.300	-0.200	
9:08:59 AM	0.100	7:59:24 AM	0.300	-0.200	
9:09:59 AM	0.100	8:00:24 AM	0.300	-0.200	
9:10:59 AM	0.100	8:01:24 AM	0.300	-0.200	
9:11:59 AM	0.100	8:02:24 AM	0.300	-0.200	
9:12:59 AM	0.100	8:03:24 AM	0.300	-0.200	
9:13:59 AM	0.100	8:04:24 AM	0.300	-0.200	
9:14:59 AM	0.100	8:05:24 AM	0.400	-0.300	
9:15:59 AM	0.100	8:06:24 AM	0.600	-0.500	
9:16:59 AM	0.100	8:07:24 AM	0.400	-0.300	
9:17:59 AM	0.100	8:08:24 AM	0.400	-0.300	
9:18:59 AM	0.200	8:09:24 AM	0.400	-0.200	
9:19:59 AM	0.200	8:10:24 AM	0.300	-0.100	
9:20:59 AM	0.200	8:11:24 AM	0.300	-0.100	
9:21:59 AM	0.200	8:12:24 AM	0.300	-0.100	
9:22:59 AM	0.200	8:13:24 AM	0.300	-0.100	
9:23:59 AM	0.200	8:14:24 AM	0.400	-0.200	
9:24:59 AM	0.200	8:15:24 AM	0.400	-0.200	
9:25:59 AM	0.200	8:16:24 AM	0.300	-0.100	
9:26:59 AM	0.200	8:17:24 AM	0.300	-0.100	
9:27:59 AM	0.200	8:18:24 AM	0.400	-0.200	
9:28:59 AM	0.200	8:19:24 AM	0.300	-0.100	
9:29:59 AM	0.200	8:20:24 AM	0.300	-0.100	
9:30:59 AM	0.200	8:21:24 AM	0.300	-0.100	
9:31:59 AM	0.200	8:22:24 AM	0.300	-0.100	
9:32:59 AM	0.200	8:23:24 AM	0.300	-0.100	
9:33:59 AM	0.200	8:24:24 AM	0.300	-0.100	
9:34:59 AM	0.200	8:25:24 AM	0.400	-0.200	
9:35:59 AM	0.200	8:26:24 AM	0.800	-0.600	
9:36:59 AM	0.200	8:27:24 AM	0.500	-0.300	
9:37:59 AM	0.200	8:28:24 AM	0.300	-0.100	
9:38:59 AM	0.200	8:29:24 AM	0.400	-0.200	
9:39:59 AM	0.200	8:30:24 AM	0.300	-0.100	
9:40:59 AM	0.200	8:31:24 AM	0.300	-0.100	
9:41:59 AM	0.200	8:32:24 AM	0.400	-0.200	
9:42:59 AM	0.200	8:33:24 AM	0.900	-0.700	
9:43:59 AM	0.200	8:34:24 AM	0.600	-0.400	
9:44:59 AM	0.200	8:35:24 AM	0.500	-0.300	
9:45:59 AM	0.200	8:36:24 AM	0.600	-0.400	
9:46:59 AM	0.200	8:37:24 AM	0.500	-0.300	

9:47:59 AM	0.200	8:38:24 AM	0.400	-0.200	
9:48:59 AM	0.200	8:39:24 AM	0.400	-0.200	
9:49:59 AM	0.200	8:40:24 AM	0.400	-0.200	
9:50:59 AM	0.200	8:41:24 AM	0.400	-0.200	
9:51:59 AM	0.200	8:42:24 AM	0.400	-0.200	
9:52:59 AM	0.200	8:43:24 AM	0.400	-0.200	
9:53:59 AM	0.200	8:44:24 AM	0.400	-0.200	
9:54:59 AM	0.200	8:45:24 AM	0.400	-0.200	
9:55:59 AM	0.200	8:46:24 AM	0.600	-0.400	
9:56:59 AM	0.200	8:47:24 AM	0.600	-0.400	
9:57:59 AM	0.200	8:48:24 AM	0.500	-0.300	
9:58:59 AM	0.200	8:49:24 AM	0.400	-0.200	
9:59:59 AM	0.200	8:50:24 AM	0.400	-0.200	
10:00:59 AM	0.200	8:51:24 AM	0.400	-0.200	
10:01:59 AM	0.200	8:52:24 AM	0.400	-0.200	
10:02:59 AM	0.200	8:53:24 AM	0.500	-0.300	
10:03:59 AM	0.200	8:54:24 AM	0.400	-0.200	
10:04:59 AM	0.200	8:55:24 AM	0.400	-0.200	
10:05:59 AM	0.200	8:56:24 AM	0.400	-0.200	
10:06:59 AM	0.200	8:57:24 AM	0.400	-0.200	
10:07:59 AM	0.200	8:58:24 AM	0.500	-0.300	
10:08:59 AM	0.200	8:59:24 AM	0.500	-0.300	
10:09:59 AM	0.200	9:00:24 AM	0.400	-0.200	
10:10:59 AM	0.200	9:01:24 AM	0.400	-0.200	
10:11:59 AM	0.200	9:02:24 AM	0.400	-0.200	
10:12:59 AM	0.200	9:03:24 AM	0.400	-0.200	
10:13:59 AM	0.200	9:04:24 AM	0.400	-0.200	
10:14:59 AM	0.200	9:05:24 AM	0.400	-0.200	
10:15:59 AM	0.200	9:06:24 AM	0.400	-0.200	
10:16:59 AM	0.200	9:07:24 AM	0.400	-0.200	
10:17:59 AM	0.200	9:08:24 AM	0.400	-0.200	
10:18:59 AM	0.200	9:09:24 AM	0.400	-0.200	
10:19:59 AM	0.200	9:10:24 AM	0.500	-0.300	
10:20:59 AM	0.200	9:11:24 AM	0.400	-0.200	
10:21:59 AM	0.200	9:12:24 AM	0.400	-0.200	
10:22:59 AM	0.200	9:13:24 AM	0.400	-0.200	
10:23:59 AM	0.200	9:14:24 AM	0.400	-0.200	
10:24:59 AM	0.200	9:15:24 AM	0.400	-0.200	
10:25:59 AM	0.200	9:16:24 AM	0.400	-0.200	
10:26:59 AM	0.200	9:17:24 AM	0.400	-0.200	
10:27:59 AM	0.300	9:18:24 AM	0.400	-0.100	
10:28:59 AM	0.300	9:19:24 AM	0.500	-0.200	
10:29:59 AM	0.300	9:20:24 AM	0.500	-0.200	
10:30:59 AM	0.300	9:21:24 AM	0.500	-0.200	
10:31:59 AM	0.300	9:22:24 AM	0.400	-0.100	
10:32:59 AM	0.300	9:23:24 AM	0.400	-0.100	
10:33:59 AM	0.300	9:24:24 AM	0.600	-0.300	
10:34:59 AM	0.300	9:25:24 AM	0.500	-0.200	
10:35:59 AM	0.300	9:26:24 AM	0.400	-0.100	
10:36:59 AM	0.300	9:27:24 AM	0.500	-0.200	
10:37:59 AM	0.300	9:28:24 AM	0.400	-0.100	
10:38:59 AM	0.300	9:29:24 AM	0.400	-0.100	
10:39:59 AM	0.300	9:30:24 AM	0.500	-0.200	
10:40:59 AM	0.300	9:31:24 AM	0.500	-0.200	
10:41:59 AM	0.300	9:32:24 AM	0.400	-0.100	
10:42:59 AM	0.300	9:33:24 AM	0.500	-0.200	
10:43:59 AM	0.300	9:34:24 AM	0.500	-0.200	
10:44:59 AM	0.300	9:35:24 AM	0.400	-0.100	

10:45:59 AM	0.300	9:36:24 AM	0.400	-0.100	
10:46:59 AM	0.300	9:37:24 AM	0.400	-0.100	
10:47:59 AM	0.300	9:38:24 AM	0.500	-0.200	
10:48:59 AM	0.300	9:39:24 AM	0.400	-0.100	
10:49:59 AM	0.300	9:40:24 AM	0.500	-0.200	
10:50:59 AM	0.300	9:41:24 AM	0.500	-0.200	
10:51:59 AM	0.300	9:42:24 AM	0.500	-0.200	
10:52:59 AM	0.300	9:43:24 AM	0.400	-0.100	
10:53:59 AM	0.300	9:44:24 AM	0.400	-0.100	
10:54:59 AM	0.300	9:45:24 AM	0.400	-0.100	
10:55:59 AM	0.300	9:46:24 AM	0.400	-0.100	
10:56:59 AM	0.300	9:47:24 AM	0.800	-0.500	
10:57:59 AM	0.300	9:48:24 AM	0.500	-0.200	
10:58:59 AM	0.300	9:49:24 AM	0.500	-0.200	
10:59:59 AM	0.300	9:50:24 AM	0.400	-0.100	
11:00:59 AM	0.300	9:51:24 AM	0.400	-0.100	
11:01:59 AM	0.300	9:52:24 AM	0.500	-0.200	
11:02:59 AM	0.300	9:53:24 AM	0.500	-0.200	
11:03:59 AM	0.300	9:54:24 AM	0.500	-0.200	
11:04:59 AM	0.300	9:55:24 AM	0.400	-0.100	
11:05:59 AM	0.300	9:56:24 AM	0.400	-0.100	
11:06:59 AM	0.300	9:57:24 AM	0.400	-0.100	
11:07:59 AM	0.300	9:58:24 AM	0.500	-0.200	
11:08:59 AM	0.300	9:59:24 AM	0.400	-0.100	
11:09:59 AM	0.300	10:00:24 AM	0.400	-0.100	
11:10:59 AM	0.300	10:01:24 AM	0.400	-0.100	
11:11:59 AM	0.300	10:02:24 AM	0.400	-0.100	
11:12:59 AM	0.300	10:03:24 AM	0.400	-0.100	
11:13:59 AM	0.300	10:04:24 AM	0.400	-0.100	
11:14:59 AM	0.300	10:05:24 AM	0.400	-0.100	
11:15:59 AM	0.300	10:06:24 AM	0.400	-0.100	
11:16:59 AM	0.300	10:07:24 AM	0.500	-0.200	
11:17:59 AM	0.300	10:08:24 AM	0.400	-0.100	
11:18:59 AM	0.300	10:09:24 AM	0.500	-0.200	
11:19:59 AM	0.300	10:10:24 AM	0.400	-0.100	
11:20:59 AM	0.300	10:11:24 AM	0.400	-0.100	
11:21:59 AM	0.300	10:12:24 AM	0.400	-0.100	
11:22:59 AM	0.300	10:13:24 AM	0.500	-0.200	
11:23:59 AM	0.300	10:14:24 AM	0.400	-0.100	
11:24:59 AM	0.300	10:15:24 AM	0.400	-0.100	
11:25:59 AM	0.300	10:16:24 AM	0.400	-0.100	
11:26:59 AM	0.300	10:17:24 AM	0.400	-0.100	
11:27:59 AM	0.300	10:18:24 AM	0.400	-0.100	
11:28:59 AM	0.300	10:19:24 AM	0.400	-0.100	
11:29:59 AM	0.300	10:20:24 AM	0.400	-0.100	
11:30:59 AM	0.300	10:21:24 AM	0.400	-0.100	
11:31:59 AM	0.300	10:22:24 AM	0.400	-0.100	
11:32:59 AM	0.300	10:23:24 AM	0.400	-0.100	
11:33:59 AM	0.300	10:24:24 AM	0.400	-0.100	
11:34:59 AM	0.300	10:25:24 AM	0.400	-0.100	
11:35:59 AM	0.300	10:26:24 AM	0.500	-0.200	
11:36:59 AM	0.300	10:27:24 AM	0.400	-0.100	
11:37:59 AM	0.300	10:28:24 AM	0.400	-0.100	
11:38:59 AM	0.300	10:29:24 AM	0.400	-0.100	
11:39:59 AM	0.300	10:30:24 AM	0.500	-0.200	
11:40:59 AM	0.300	10:31:24 AM	0.400	-0.100	
11:41:59 AM	0.300	10:32:24 AM	0.400	-0.100	
11:42:59 AM	0.300	10:33:24 AM	0.400	-0.100	

11:43:59 AM	0.300	10:34:24 AM	0.500	-0.200	
11:44:59 AM	0.300	10:35:24 AM	0.500	-0.200	
11:45:59 AM	0.300	10:36:24 AM	0.400	-0.100	
11:46:59 AM	0.300	10:37:24 AM	0.400	-0.100	
11:47:59 AM	0.300	10:38:24 AM	0.400	-0.100	
11:48:59 AM	0.300	10:39:24 AM	0.400	-0.100	
11:49:59 AM	0.300	10:40:24 AM	0.500	-0.200	
11:50:59 AM	0.300	10:41:24 AM	0.500	-0.200	
11:51:59 AM	0.400	10:42:24 AM	0.600	-0.200	
11:52:59 AM	0.400	10:43:24 AM	0.500	-0.100	
11:53:59 AM	0.400	10:44:24 AM	0.400	0.000	
11:54:59 AM	0.400	10:45:24 AM	0.400	0.000	
11:55:59 AM	0.400	10:46:24 AM	0.500	-0.100	
11:56:59 AM	0.400	10:47:24 AM	0.500	-0.100	
11:57:59 AM	0.400	10:48:24 AM	0.400	0.000	
11:58:59 AM	0.400	10:49:24 AM	0.400	0.000	
11:59:59 AM	0.400	10:50:24 AM	0.400	0.000	
12:00:59 PM	0.400	10:51:24 AM	0.400	0.000	
12:01:59 PM	0.400	10:52:24 AM	0.500	-0.100	
12:02:59 PM	0.400	10:53:24 AM	0.400	0.000	
12:03:59 PM	0.400	10:54:24 AM	0.500	-0.100	
12:04:59 PM	0.400	10:55:24 AM	0.500	-0.100	
12:05:59 PM	0.400	10:56:24 AM	0.500	-0.100	
12:06:59 PM	0.400	10:57:24 AM	0.500	-0.100	
12:07:59 PM	0.400	10:58:24 AM	0.500	-0.100	
12:08:59 PM	0.400	10:59:24 AM	0.500	-0.100	
12:09:59 PM	0.400	11:00:24 AM	0.500	-0.100	
12:10:59 PM	0.400	11:01:24 AM	0.400	0.000	
12:11:59 PM	0.400	11:02:24 AM	0.400	0.000	
12:12:59 PM	0.400	11:03:24 AM	0.400	0.000	
12:13:59 PM	0.400	11:04:24 AM	0.400	0.000	
12:14:59 PM	0.400	11:05:24 AM	0.500	-0.100	
12:15:59 PM	0.400	11:06:24 AM	0.400	0.000	
12:16:59 PM	0.400	11:07:24 AM	0.400	0.000	
12:17:59 PM	0.400	11:08:24 AM	0.400	0.000	
12:18:59 PM	0.400	11:09:24 AM	0.400	0.000	
12:19:59 PM	0.400	11:10:24 AM	0.500	-0.100	
12:20:59 PM	0.400	11:11:24 AM	0.400	0.000	
12:21:59 PM	0.400	11:12:24 AM	0.700	-0.300	
12:22:59 PM	0.400	11:13:24 AM	0.500	-0.100	
12:23:59 PM	0.400	11:14:24 AM	0.500	-0.100	
12:24:59 PM	0.400	11:15:24 AM	0.400	0.000	
12:25:59 PM	0.400	11:16:24 AM	0.400	0.000	
12:26:59 PM	0.400	11:17:24 AM	0.400	0.000	
12:27:59 PM	0.400	11:18:24 AM	0.400	0.000	
12:28:59 PM	0.400	11:19:24 AM	0.500	-0.100	
12:29:59 PM	0.400	11:20:24 AM	0.500	-0.100	
12:30:59 PM	0.400	11:21:24 AM	0.400	0.000	
12:31:59 PM	0.400	11:22:24 AM	0.400	0.000	
12:32:59 PM	0.400	11:23:24 AM	0.400	0.000	
12:33:59 PM	0.400	11:24:24 AM	0.500	-0.100	
12:34:59 PM	0.400	11:25:24 AM	0.400	0.000	
12:35:59 PM	0.400	11:26:24 AM	0.400	0.000	
12:36:59 PM	0.400	11:27:24 AM	0.400	0.000	
12:37:59 PM	0.400	11:28:24 AM	0.500	-0.100	
12:38:59 PM	0.400	11:29:24 AM	0.500	-0.100	
12:39:59 PM	0.400	11:30:24 AM	0.500	-0.100	
12:40:59 PM	0.400	11:31:24 AM	0.400	0.000	

12:41:59 PM	0.400	11:32:24 AM	0.500	-0.100	
12:42:59 PM	0.400	11:33:24 AM	0.500	-0.100	
12:43:59 PM	0.400	11:34:24 AM	0.500	-0.100	
12:44:59 PM	0.400	11:35:24 AM	0.500	-0.100	
12:45:59 PM	0.400	11:36:24 AM	0.500	-0.100	
12:46:59 PM	0.400	11:37:24 AM	0.500	-0.100	
12:47:59 PM	0.400	11:38:24 AM	0.500	-0.100	
12:48:59 PM	0.400	11:39:24 AM	0.500	-0.100	
12:49:59 PM	0.400	11:40:24 AM	0.400	0.000	
12:50:59 PM	0.400	11:41:24 AM	0.400	0.000	
12:51:59 PM	0.400	11:42:24 AM	0.400	0.000	
12:52:59 PM	0.400	11:43:24 AM	0.400	0.000	
12:53:59 PM	0.400	11:44:24 AM	0.500	-0.100	
12:54:59 PM	0.400	11:45:24 AM	0.400	0.000	
12:55:59 PM	0.400	11:46:24 AM	0.400	0.000	
12:56:59 PM	0.400	11:47:24 AM	0.500	-0.100	
12:57:59 PM	0.400	11:48:24 AM	0.500	-0.100	
12:58:59 PM	0.400	11:49:24 AM	0.400	0.000	
12:59:59 PM	0.400	11:50:24 AM	0.400	0.000	
1:00:59 PM	0.400	11:51:24 AM	0.400	0.000	
1:01:59 PM	0.400	11:52:24 AM	0.400	0.000	
1:02:59 PM	0.400	11:53:24 AM	0.400	0.000	
1:03:59 PM	0.500	11:54:24 AM	0.400	0.100	
1:04:59 PM	0.400	11:55:24 AM	0.400	0.000	
1:05:59 PM	0.400	11:56:24 AM	0.400	0.000	
1:06:59 PM	0.400	11:57:24 AM	0.600	-0.200	
1:07:59 PM	0.400	11:58:24 AM	0.500	-0.100	
1:08:59 PM	0.400	11:59:24 AM	0.500	-0.100	
1:09:59 PM	0.400	12:00:24 PM	0.500	-0.100	
1:10:59 PM	0.400	12:01:24 PM	0.500	-0.100	
1:11:59 PM	0.400	12:02:24 PM	0.400	0.000	
1:12:59 PM	0.400	12:03:24 PM	0.400	0.000	
1:13:59 PM	0.400	12:04:24 PM	0.400	0.000	
1:14:59 PM	0.400	12:05:24 PM	0.400	0.000	
1:15:59 PM	0.400	12:06:24 PM	0.500	-0.100	
1:16:59 PM	0.400	12:07:24 PM	0.400	0.000	
1:17:59 PM	0.400	12:08:24 PM	0.400	0.000	
1:18:59 PM	0.400	12:09:24 PM	0.400	0.000	
1:19:59 PM	0.400	12:10:24 PM	0.400	0.000	
1:20:59 PM	0.400	12:11:24 PM	0.400	0.000	
1:21:59 PM	0.400	12:12:24 PM	0.400	0.000	
1:22:59 PM	0.400	12:13:24 PM	0.400	0.000	
1:23:59 PM	0.400	12:14:24 PM	0.400	0.000	
1:24:59 PM	0.400	12:15:24 PM	0.400	0.000	
1:25:59 PM	0.400	12:16:24 PM	0.400	0.000	
1:26:59 PM	0.400	12:17:24 PM	0.400	0.000	
1:27:59 PM	0.400	12:18:24 PM	0.400	0.000	
1:28:59 PM	0.400	12:19:24 PM	0.400	0.000	
1:29:59 PM	0.400	12:20:24 PM	0.400	0.000	
1:30:59 PM	0.400	12:21:24 PM	0.500	-0.100	
1:31:59 PM	0.400	12:22:24 PM	0.400	0.000	
1:32:59 PM	0.400	12:23:24 PM	0.400	0.000	
1:33:59 PM	0.400	12:24:24 PM	0.400	0.000	
1:34:59 PM	0.400	12:25:24 PM	0.400	0.000	
1:35:59 PM	0.400	12:26:24 PM	0.400	0.000	
1:36:59 PM	0.400	12:27:24 PM	0.400	0.000	
1:37:59 PM	0.400	12:28:24 PM	0.400	0.000	
1:38:59 PM	0.400	12:29:24 PM	0.400	0.000	

1:39:59 PM	0.400	12:30:24 PM	0.400	0.000	
1:40:59 PM	0.400	12:31:24 PM	0.400	0.000	
1:41:59 PM	0.300	12:32:24 PM	0.400	-0.100	
1:42:59 PM	0.300	12:33:24 PM	0.400	-0.100	
1:43:59 PM	0.300	12:34:24 PM	0.400	-0.100	
1:44:59 PM	0.300	12:35:24 PM	0.400	-0.100	
1:45:59 PM	0.300	12:36:24 PM	0.400	-0.100	
1:46:59 PM	0.300	12:37:24 PM	0.400	-0.100	
1:47:59 PM	0.300	12:38:24 PM	0.400	-0.100	
1:48:59 PM	0.300	12:39:24 PM	0.400	-0.100	
1:49:59 PM	0.300	12:40:24 PM	0.400	-0.100	
1:50:59 PM	0.300	12:41:24 PM	0.400	-0.100	
1:51:59 PM	0.300	12:42:24 PM	0.400	-0.100	
1:52:59 PM	0.300	12:43:24 PM	0.400	-0.100	
1:53:59 PM	0.300	12:44:24 PM	0.400	-0.100	
1:54:59 PM	0.300	12:45:24 PM	0.500	-0.200	
1:55:59 PM	0.300	12:46:24 PM	0.400	-0.100	
1:56:59 PM	0.300	12:47:24 PM	0.500	-0.200	
1:57:59 PM	0.300	12:48:24 PM	0.400	-0.100	
1:58:59 PM	0.300	12:49:24 PM	0.400	-0.100	
1:59:59 PM	0.300	12:50:24 PM	0.400	-0.100	
2:00:59 PM	0.300	12:51:24 PM	0.400	-0.100	
2:01:59 PM	0.300	12:52:24 PM	0.400	-0.100	
2:02:59 PM	0.300	12:53:24 PM	0.400	-0.100	
2:03:59 PM	0.300	12:54:24 PM	0.400	-0.100	
2:04:59 PM	0.300	12:55:24 PM	0.400	-0.100	
2:05:59 PM	0.300	12:56:24 PM	0.400	-0.100	
2:06:59 PM	0.300	12:57:24 PM	0.400	-0.100	
2:07:59 PM	0.300	12:58:24 PM	0.400	-0.100	
2:08:59 PM	0.300	12:59:24 PM	0.400	-0.100	
2:09:59 PM	0.300	1:00:24 PM	0.400	-0.100	
2:10:59 PM	0.300	1:01:24 PM	0.400	-0.100	
2:11:59 PM	0.300	1:02:24 PM	0.400	-0.100	
2:12:59 PM	0.300	1:03:24 PM	0.400	-0.100	
2:13:59 PM	0.300	1:04:24 PM	0.500	-0.200	
2:14:59 PM	0.200	1:05:24 PM	0.400	-0.200	
2:15:59 PM	0.200	1:06:24 PM	0.400	-0.200	
2:16:59 PM	0.300	1:07:24 PM	0.400	-0.100	
2:17:59 PM	0.300	1:08:24 PM	0.400	-0.100	
2:18:59 PM	0.200	1:09:24 PM	0.500	-0.300	
2:19:59 PM	0.200	1:10:24 PM	0.400	-0.200	
2:20:59 PM	0.200	1:11:24 PM	0.400	-0.200	
2:21:59 PM	0.200	1:12:24 PM	0.500	-0.300	
2:22:59 PM	0.200	1:13:24 PM	0.500	-0.300	
2:23:59 PM	0.200	1:14:24 PM	0.400	-0.200	
2:24:59 PM	0.200	1:15:24 PM	0.400	-0.200	
2:25:59 PM	0.200	1:16:24 PM	0.400	-0.200	
2:26:59 PM	0.200	1:17:24 PM	0.500	-0.300	
2:27:59 PM	0.200	1:18:24 PM	0.400	-0.200	
2:28:59 PM	0.200	1:19:24 PM	0.400	-0.200	
2:29:59 PM	0.200	1:20:24 PM	0.400	-0.200	
2:30:59 PM	0.200	1:21:24 PM	0.400	-0.200	
2:31:59 PM	0.200	1:22:24 PM	0.500	-0.300	
2:32:59 PM	0.200	1:23:24 PM	0.500	-0.300	
2:33:59 PM	0.200	1:24:24 PM	0.400	-0.200	
2:34:59 PM	0.200	1:25:24 PM	0.400	-0.200	
2:35:59 PM	0.200	1:26:24 PM	0.500	-0.300	
2:36:59 PM	0.200	1:27:24 PM	0.500	-0.300	

2:37:59 PM	0.200	1:28:24 PM	0.500	-0.300	
2:38:59 PM	0.200	1:29:24 PM	0.600	-0.400	
2:39:59 PM	0.200	1:30:24 PM	0.700	-0.500	
2:40:59 PM	0.200	1:31:24 PM	0.800	-0.600	
2:41:59 PM	0.200	1:32:24 PM	0.500	-0.300	
2:42:59 PM	0.200	1:33:24 PM	0.500	-0.300	
2:43:59 PM	0.200	1:34:24 PM	0.500	-0.300	
2:44:59 PM	0.200	1:35:24 PM	0.800	-0.600	
2:45:59 PM	0.200	1:36:24 PM	0.500	-0.300	
2:46:59 PM	0.200	1:37:24 PM	0.600	-0.400	
2:47:59 PM	0.200	1:38:24 PM	0.500	-0.300	
2:48:59 PM	0.200	1:39:24 PM	0.500	-0.300	
2:49:59 PM	0.200	1:40:24 PM	0.500	-0.300	
		1:41:24 PM	0.500	-0.500	
		1:42:24 PM	0.500	-0.500	
		1:43:24 PM	0.500	-0.500	
		1:44:24 PM	0.500	-0.500	
		1:45:24 PM	0.500	-0.500	
		1:46:24 PM	0.500	-0.500	
		1:47:24 PM	0.500	-0.500	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 7:50 am - 1:47 pm.

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/19/2023

Upwind Station		Downwind Station		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (mg/m3)	Time	15-min Avg. (mg/m3)		
7:54:27 AM	0.017	8:11:22 AM	0.013	0.004	
8:09:27 AM	0.009	8:26:22 AM	0.013	-0.004	
8:24:27 AM	0.010	8:41:22 AM	0.011	-0.001	
8:39:27 AM	0.011	8:56:22 AM	0.011	0.000	
8:54:27 AM	0.013	9:11:22 AM	0.010	0.003	
9:09:27 AM	0.013	9:26:22 AM	0.013	0.000	
9:24:27 AM	0.014	9:41:22 AM	0.009	0.005	
9:39:27 AM	0.014	9:56:22 AM	0.041	-0.027	
9:54:27 AM	0.013	10:11:22 AM	0.082	-0.069	
10:09:27 AM	0.013	10:26:22 AM	0.087	-0.074	
10:24:27 AM	0.013	10:41:22 AM	0.090	-0.077	
10:39:27 AM	0.013	10:56:22 AM	0.094	-0.081	
10:54:27 AM	0.015	11:11:22 AM	0.095	-0.080	
11:09:27 AM	0.014	11:26:22 AM	0.096	-0.082	
11:24:27 AM	0.014	11:41:22 AM	0.099	-0.085	
11:39:27 AM	0.015	11:56:22 AM	0.100	-0.085	
11:54:27 AM	0.015	12:11:22 PM	0.099	-0.084	
12:09:27 PM	0.014	12:26:22 PM	0.100	-0.086	
12:24:27 PM	0.014	12:41:22 PM	0.102	-0.088	
12:39:27 PM	0.013	12:56:22 PM	0.100	-0.087	
12:54:27 PM	0.012	1:11:22 PM	0.098	-0.086	
1:09:27 PM	0.012	1:26:22 PM	0.097	-0.085	
		1:41:22 PM	0.096	-0.096	
		1:56:22 PM	0.096	-0.096	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/19/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
7:30:00 AM	0.000	7:30:00 AM	0.000	0.000	
8:00:00 AM	0.100	8:00:00 AM	0.000	0.100	
8:30:00 AM	0.000	8:30:00 AM	0.000	0.000	
9:00:00 AM	0.000	9:00:00 AM	0.000	0.000	
9:30:00 AM	0.000	9:30:00 AM	0.000	0.000	
10:00:00 AM	0.100	10:00:00 AM	0.100	0.000	
10:30:00 AM	0.000	10:30:00 AM	0.000	0.000	
11:00:00 PM	0.100	11:00:00 PM	0.000	0.100	
11:30:00 AM	0.100	11:30:00 AM	0.100	0.000	
12:00:00 PM	0.100	12:00:00 PM	0.000	0.100	
12:30:00 PM	0.100	12:30:00 PM	0.100	0.000	
1:00:00 PM	0.100	1:00:00 PM	0.100	0.000	
1:30:00 PM	0.100	1:30:00 PM	0.100	0.000	

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/20/2023

Upwind Station		Downwind Station		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (mg/m3)	Time	15-min Avg. (mg/m3)		
7:54:27 AM	0.017	7:49:55 AM	0.008	0.009	
8:09:27 AM	0.009	8:04:55 AM	0.008	0.001	
8:24:27 AM	0.010	8:19:55 AM	0.009	0.001	
8:39:27 AM	0.011	8:34:55 AM	0.009	0.002	
8:54:27 AM	0.013	8:49:55 AM	0.011	0.002	
9:09:27 AM	0.013	9:04:55 AM	0.011	0.002	
9:24:27 AM	0.014	9:19:55 AM	0.01	0.004	
9:39:27 AM	0.014	9:34:55 AM	0.011	0.003	
9:54:27 AM	0.013	9:49:55 AM	0.011	0.002	
10:09:27 AM	0.013	10:04:55 AM	0.012	0.001	
10:24:27 AM	0.013	10:19:55 AM	0.014	-0.001	
10:39:27 AM	0.013	10:34:55 AM	0.013	0.000	
10:54:27 AM	0.015	10:49:55 AM	0.014	0.001	
11:09:27 AM	0.014	11:04:55 AM	0.014	0.000	
11:24:27 AM	0.014	11:19:55 AM	0.013	0.001	
11:39:27 AM	0.015	11:34:55 AM	0.014	0.001	
11:54:27 AM	0.015	11:49:55 AM	0.013	0.002	
12:09:27 PM	0.014	12:04:55 PM	0.013	0.001	
12:24:27 PM	0.014	12:19:55 PM	0.014	0.000	
12:39:27 PM	0.013	12:34:55 PM	0.013	0.000	
12:54:27 PM	0.012	12:49:55 PM	0.012	0.000	

1:09:27 PM	0.012	1:04:55 PM	0.012	0.000	
		1:19:55 PM	0.012	-0.012	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/20/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind - Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
7:35:00 AM	0.000	7:35:00 AM	0.800	-0.800	
8:00:00 AM	0.000	8:00:00 AM	0.100	-0.100	
8:30:00 AM	0.000	8:30:00 AM	0.000	0.000	
9:00:00 AM	0.000	9:00:00 AM	0.000	0.000	
9:30:00 AM	0.000	9:30:00 AM	0.000	0.000	
10:00:00 AM	0.100	10:00:00 AM	0.000	0.100	
10:30:00 AM	0.100	10:30:00 AM	0.100	0.000	
11:00:00 PM	0.100	11:00:00 PM	0.000	0.100	
11:30:00 AM	0.100	11:30:00 AM	0.000	0.100	
12:00:00 PM	0.000	12:00:00 PM	0.100	-0.100	
12:30:00 PM	0.000	12:30:00 PM	0.100	-0.100	
1:00:00 PM	0.000	1:00:00 PM	0.100	-0.100	

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/21/2023

Upwind Station		Downwind Station Serial #: 8530171606		15-min Corrected Average (Upwind-Downwind)	Comments
		Time	15-min Avg. (mg/m3)		
NA		7:52:05 AM	0.023	-0.023	
		8:07:05 AM	0.019	-0.019	
		8:22:05 AM	0.019	-0.019	
		8:37:05 AM	0.019	-0.019	
		8:52:05 AM	0.019	-0.019	
		9:07:05 AM	0.018	-0.018	
		9:22:05 AM	0.018	-0.018	
		9:37:05 AM	0.026	-0.026	
		9:52:05 AM	0.019	-0.019	
		10:07:05 AM	0.019	-0.019	
		10:22:05 AM	0.019	-0.019	
		10:37:05 AM	0.019	-0.019	
		10:52:05 AM	0.017	-0.017	
		11:07:05 AM	0.021	-0.021	
		11:22:05 AM	0.015	-0.015	
		11:37:05 AM	0.014	-0.014	
		11:52:05 AM	0.013	-0.013	
		12:07:05 PM	0.011	-0.011	
		12:22:05 PM	0.011	-0.011	
		12:37:05 PM	0.011	-0.011	
		12:52:05 PM	0.012	-0.012	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/21/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:49:40 AM	0.000	7:39:25 AM	0.000	0.000	
8:50:40 AM	0.000	7:40:25 AM	0.000	0.000	
8:51:40 AM	0.000	7:41:25 AM	0.000	0.000	
8:52:40 AM	0.000	7:42:25 AM	0.000	0.000	
8:53:40 AM	0.000	7:43:25 AM	0.000	0.000	
8:54:40 AM	0.000	7:44:25 AM	0.000	0.000	
8:55:40 AM	0.000	7:45:25 AM	0.100	-0.100	
8:56:40 AM	0.100	7:46:25 AM	0.100	0.000	
8:57:40 AM	0.100	7:47:25 AM	0.100	0.000	
8:58:40 AM	0.100	7:48:25 AM	0.100	0.000	
8:59:40 AM	0.100	7:49:25 AM	0.100	0.000	
9:00:40 AM	0.100	7:50:25 AM	0.100	0.000	
9:01:40 AM	0.100	7:51:25 AM	0.100	0.000	
9:02:40 AM	0.100	7:52:25 AM	0.100	0.000	
9:03:40 AM	0.100	7:53:25 AM	0.100	0.000	
9:04:40 AM	0.100	7:54:25 AM	0.100	0.000	
9:05:40 AM	0.100	7:55:25 AM	0.100	0.000	
9:06:40 AM	0.100	7:56:25 AM	0.100	0.000	
9:07:40 AM	0.100	7:57:25 AM	0.100	0.000	
9:08:40 AM	0.100	7:58:25 AM	0.100	0.000	
9:09:40 AM	0.100	7:59:25 AM	0.100	0.000	
9:10:40 AM	0.100	8:00:25 AM	0.100	0.000	
9:11:40 AM	0.100	8:01:25 AM	0.100	0.000	
9:12:40 AM	0.100	8:02:25 AM	0.100	0.000	
9:13:40 AM	0.100	8:03:25 AM	0.100	0.000	
9:14:40 AM	0.100	8:04:25 AM	0.100	0.000	
9:15:40 AM	0.100	8:05:25 AM	0.100	0.000	
9:16:40 AM	0.100	8:06:25 AM	0.100	0.000	
9:17:40 AM	0.100	8:07:25 AM	0.100	0.000	
9:18:40 AM	0.100	8:08:25 AM	0.100	0.000	
9:19:40 AM	0.100	8:09:25 AM	0.100	0.000	
9:20:40 AM	0.100	8:10:25 AM	0.100	0.000	
9:21:40 AM	0.100	8:11:25 AM	0.100	0.000	
9:22:40 AM	0.100	8:12:25 AM	0.100	0.000	
9:23:40 AM	0.100	8:13:25 AM	0.100	0.000	
9:24:40 AM	0.100	8:14:25 AM	0.100	0.000	
9:25:40 AM	0.100	8:15:25 AM	0.100	0.000	
9:26:40 AM	0.100	8:16:25 AM	0.100	0.000	
9:27:40 AM	0.100	8:17:25 AM	0.100	0.000	
9:28:40 AM	0.100	8:18:25 AM	0.100	0.000	
9:29:40 AM	0.100	8:19:25 AM	0.100	0.000	
9:30:40 AM	0.100	8:20:25 AM	0.100	0.000	
9:31:40 AM	0.100	8:21:25 AM	0.100	0.000	
9:32:40 AM	0.100	8:22:25 AM	0.100	0.000	
9:33:40 AM	0.100	8:23:25 AM	0.100	0.000	
9:34:40 AM	0.100	8:24:25 AM	0.200	-0.100	
9:35:40 AM	0.100	8:25:25 AM	0.200	-0.100	
9:36:40 AM	0.100	8:26:25 AM	0.200	-0.100	
9:37:40 AM	0.100	8:27:25 AM	0.200	-0.100	
9:38:40 AM	0.100	8:28:25 AM	0.200	-0.100	
9:39:40 AM	0.100	8:29:25 AM	0.200	-0.100	
9:40:40 AM	0.100	8:30:25 AM	0.200	-0.100	
9:41:40 AM	0.100	8:31:25 AM	0.200	-0.100	

9:42:40 AM	0.100	8:32:25 AM	0.200	-0.100	
9:43:40 AM	0.100	8:33:25 AM	0.200	-0.100	
9:44:40 AM	0.100	8:34:25 AM	0.200	-0.100	
9:45:40 AM	0.100	8:35:25 AM	0.200	-0.100	
9:46:40 AM	0.100	8:36:25 AM	0.200	-0.100	
9:47:40 AM	0.100	8:37:25 AM	0.200	-0.100	
9:48:40 AM	0.100	8:38:25 AM	0.200	-0.100	
9:49:40 AM	0.100	8:39:25 AM	0.200	-0.100	
9:50:40 AM	0.100	8:40:25 AM	0.200	-0.100	
9:51:40 AM	0.100	8:41:25 AM	0.200	-0.100	
9:52:40 AM	0.100	8:42:25 AM	0.200	-0.100	
9:53:40 AM	0.100	8:43:25 AM	0.200	-0.100	
9:54:40 AM	0.200	8:44:25 AM	0.200	0.000	
9:55:40 AM	0.200	8:45:25 AM	0.200	0.000	
9:56:40 AM	0.200	8:46:25 AM	0.200	0.000	
9:57:40 AM	0.200	8:47:25 AM	0.200	0.000	
9:58:40 AM	0.200	8:48:25 AM	0.200	0.000	
9:59:40 AM	0.200	8:49:25 AM	0.200	0.000	
10:00:40 AM	0.200	8:50:25 AM	0.200	0.000	
10:01:40 AM	0.200	8:51:25 AM	0.200	0.000	
10:02:40 AM	0.200	8:52:25 AM	0.200	0.000	
10:03:40 AM	0.200	8:53:25 AM	0.200	0.000	
10:04:40 AM	0.200	8:54:25 AM	0.200	0.000	
10:05:40 AM	0.200	8:55:25 AM	0.200	0.000	
10:06:40 AM	0.200	8:56:25 AM	0.200	0.000	
10:07:40 AM	0.200	8:57:25 AM	0.200	0.000	
10:08:40 AM	0.200	8:58:25 AM	0.200	0.000	
10:09:40 AM	0.200	8:59:25 AM	0.200	0.000	
10:10:40 AM	0.200	9:00:25 AM	0.200	0.000	
10:11:40 AM	0.200	9:01:25 AM	0.200	0.000	
10:12:40 AM	0.200	9:02:25 AM	0.200	0.000	
10:13:40 AM	0.200	9:03:25 AM	0.200	0.000	
10:14:40 AM	0.200	9:04:25 AM	0.200	0.000	
10:15:40 AM	0.200	9:05:25 AM	0.200	0.000	
10:16:40 AM	0.200	9:06:25 AM	0.200	0.000	
10:17:40 AM	0.200	9:07:25 AM	0.200	0.000	
10:18:40 AM	0.200	9:08:25 AM	0.200	0.000	
10:19:40 AM	0.200	9:09:25 AM	0.200	0.000	
10:20:40 AM	0.200	9:10:25 AM	0.200	0.000	
10:21:40 AM	0.200	9:11:25 AM	0.200	0.000	
10:22:40 AM	0.200	9:12:25 AM	0.200	0.000	
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10:24:40 AM	0.200	9:14:25 AM	0.200	0.000	
10:25:40 AM	0.200	9:15:25 AM	0.200	0.000	
10:26:40 AM	0.200	9:16:25 AM	0.200	0.000	
10:27:40 AM	0.200	9:17:25 AM	0.200	0.000	
10:28:40 AM	0.200	9:18:25 AM	0.200	0.000	
10:29:40 AM	0.200	9:19:25 AM	0.200	0.000	
10:30:40 AM	0.200	9:20:25 AM	0.200	0.000	
10:31:40 AM	0.200	9:21:25 AM	0.200	0.000	
10:32:40 AM	0.200	9:22:25 AM	0.200	0.000	
10:33:40 AM	0.200	9:23:25 AM	0.200	0.000	
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10:38:40 AM	0.200	9:28:25 AM	0.200	0.000	
10:39:40 AM	0.200	9:29:25 AM	0.200	0.000	
10:40:40 AM	0.200	9:30:25 AM	0.200	0.000	
10:41:40 AM	0.200	9:31:25 AM	0.200	0.000	
10:42:40 AM	0.200	9:32:25 AM	0.200	0.000	

10:43:40 AM	0.200	9:33:25 AM	0.200	0.000	
10:44:40 AM	0.200	9:34:25 AM	0.200	0.000	
10:45:40 AM	0.200	9:35:25 AM	0.200	0.000	
10:46:40 AM	0.200	9:36:25 AM	0.200	0.000	
10:47:40 AM	0.200	9:37:25 AM	0.200	0.000	
10:48:40 AM	0.200	9:38:25 AM	0.200	0.000	
10:49:40 AM	0.200	9:39:25 AM	0.200	0.000	
10:50:40 AM	0.200	9:40:25 AM	0.200	0.000	
10:51:40 AM	0.200	9:41:25 AM	0.200	0.000	
10:52:40 AM	0.200	9:42:25 AM	0.200	0.000	
10:53:40 AM	0.200	9:43:25 AM	0.200	0.000	
10:54:40 AM	0.200	9:44:25 AM	0.200	0.000	
10:55:40 AM	0.200	9:45:25 AM	0.200	0.000	
10:56:40 AM	0.200	9:46:25 AM	0.300	-0.100	
10:57:40 AM	0.200	9:47:25 AM	0.200	0.000	
10:58:40 AM	0.200	9:48:25 AM	0.200	0.000	
10:59:40 AM	0.200	9:49:25 AM	0.200	0.000	
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11:05:40 AM	0.200	9:55:25 AM	0.200	0.000	
11:06:40 AM	0.200	9:56:25 AM	0.300	-0.100	
11:07:40 AM	0.200	9:57:25 AM	0.200	0.000	
11:08:40 AM	0.200	9:58:25 AM	0.200	0.000	
11:09:40 AM	0.200	9:59:25 AM	0.200	0.000	
11:10:40 AM	0.200	10:00:25 AM	0.200	0.000	
11:11:40 AM	0.200	10:01:25 AM	0.300	-0.100	
11:12:40 AM	0.300	10:02:25 AM	0.300	0.000	
11:13:40 AM	0.300	10:03:25 AM	0.300	0.000	
11:14:40 AM	0.300	10:04:25 AM	0.300	0.000	
11:15:40 AM	0.300	10:05:25 AM	0.200	0.100	
11:16:40 AM	0.300	10:06:25 AM	0.200	0.100	
11:17:40 AM	0.300	10:07:25 AM	0.300	0.000	
11:18:40 AM	0.300	10:08:25 AM	0.300	0.000	
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11:20:40 AM	0.300	10:10:25 AM	0.300	0.000	
11:21:40 AM	0.300	10:11:25 AM	0.300	0.000	
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11:24:40 AM	0.300	10:14:25 AM	0.300	0.000	
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11:31:40 AM	0.300	10:21:25 AM	0.300	0.000	
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11:33:40 AM	0.300	10:23:25 AM	0.300	0.000	
11:34:40 AM	0.300	10:24:25 AM	0.300	0.000	
11:35:40 AM	0.300	10:25:25 AM	0.200	0.100	
11:36:40 AM	0.300	10:26:25 AM	0.300	0.000	
11:37:40 AM	0.300	10:27:25 AM	0.300	0.000	
11:38:40 AM	0.300	10:28:25 AM	0.300	0.000	
11:39:40 AM	0.300	10:29:25 AM	0.300	0.000	
11:40:40 AM	0.300	10:30:25 AM	0.300	0.000	
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11:42:40 AM	0.300	10:32:25 AM	0.300	0.000	
11:43:40 AM	0.300	10:33:25 AM	0.300	0.000	

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11:46:40 AM	0.300	10:36:25 AM	0.300	0.000	
11:47:40 AM	0.300	10:37:25 AM	0.300	0.000	
11:48:40 AM	0.300	10:38:25 AM	0.300	0.000	
11:49:40 AM	0.300	10:39:25 AM	0.300	0.000	
11:50:40 AM	0.300	10:40:25 AM	0.300	0.000	
11:51:40 AM	0.300	10:41:25 AM	0.300	0.000	
11:52:40 AM	0.300	10:42:25 AM	0.300	0.000	
11:53:40 AM	0.300	10:43:25 AM	0.300	0.000	
11:54:40 AM	0.300	10:44:25 AM	0.300	0.000	
11:55:40 AM	0.300	10:45:25 AM	0.300	0.000	
11:56:40 AM	0.300	10:46:25 AM	0.300	0.000	
11:57:40 AM	0.300	10:47:25 AM	0.300	0.000	
11:58:40 AM	0.300	10:48:25 AM	0.300	0.000	
11:59:40 AM	0.300	10:49:25 AM	0.300	0.000	
12:00:40 PM	0.300	10:50:25 AM	0.300	0.000	
12:01:40 PM	0.300	10:51:25 AM	0.300	0.000	
12:02:40 PM	0.300	10:52:25 AM	0.300	0.000	
12:03:40 PM	0.300	10:53:25 AM	0.300	0.000	
12:04:40 PM	0.300	10:54:25 AM	0.300	0.000	
12:05:40 PM	0.300	10:55:25 AM	0.300	0.000	
12:06:40 PM	0.300	10:56:25 AM	0.300	0.000	
12:07:40 PM	0.300	10:57:25 AM	0.300	0.000	
12:08:40 PM	0.300	10:58:25 AM	0.400	-0.100	
12:09:40 PM	0.300	10:59:25 AM	0.300	0.000	
12:10:40 PM	0.300	11:00:25 AM	0.300	0.000	
12:11:40 PM	0.300	11:01:25 AM	0.300	0.000	
12:12:40 PM	0.300	11:02:25 AM	0.300	0.000	
12:13:40 PM	0.300	11:03:25 AM	0.300	0.000	
12:14:40 PM	0.300	11:04:25 AM	0.300	0.000	
12:15:40 PM	0.300	11:05:25 AM	0.300	0.000	
12:16:40 PM	0.300	11:06:25 AM	0.300	0.000	
12:17:40 PM	0.300	11:07:25 AM	0.300	0.000	
12:18:40 PM	0.300	11:08:25 AM	0.300	0.000	
12:19:40 PM	0.300	11:09:25 AM	0.300	0.000	
12:20:40 PM	0.300	11:10:25 AM	0.300	0.000	
12:21:40 PM	0.300	11:11:25 AM	0.300	0.000	
12:22:40 PM	0.300	11:12:25 AM	0.300	0.000	
12:23:40 PM	0.300	11:13:25 AM	0.300	0.000	
12:24:40 PM	0.300	11:14:25 AM	0.300	0.000	
12:25:40 PM	0.300	11:15:25 AM	0.300	0.000	
12:26:40 PM	0.300	11:16:25 AM	0.300	0.000	
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12:28:40 PM	0.300	11:18:25 AM	0.300	0.000	
12:29:40 PM	0.300	11:19:25 AM	0.300	0.000	
12:30:40 PM	0.300	11:20:25 AM	0.300	0.000	
12:31:40 PM	0.300	11:21:25 AM	0.300	0.000	
12:32:40 PM	0.300	11:22:25 AM	0.300	0.000	
12:33:40 PM	0.300	11:23:25 AM	0.300	0.000	
12:34:40 PM	0.300	11:24:25 AM	0.300	0.000	
12:35:40 PM	0.300	11:25:25 AM	0.300	0.000	
12:36:40 PM	0.300	11:26:25 AM	0.300	0.000	
12:37:40 PM	0.300	11:27:25 AM	0.300	0.000	
12:38:40 PM	0.300	11:28:25 AM	0.300	0.000	
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12:41:40 PM	0.300	11:31:25 AM	0.300	0.000	
12:42:40 PM	0.300	11:32:25 AM	0.300	0.000	
12:43:40 PM	0.300	11:33:25 AM	0.300	0.000	
12:44:40 PM	0.300	11:34:25 AM	0.300	0.000	

12:45:40 PM	0.300	11:35:25 AM	0.300	0.000	
12:46:40 PM	0.300	11:36:25 AM	0.300	0.000	
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12:48:40 PM	0.300	11:38:25 AM	0.300	0.000	
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12:50:40 PM	0.300	11:40:25 AM	0.300	0.000	
12:51:40 PM	0.300	11:41:25 AM	0.300	0.000	
12:52:40 PM	0.300	11:42:25 AM	0.300	0.000	
12:53:40 PM	0.300	11:43:25 AM	0.300	0.000	
12:54:40 PM	0.300	11:44:25 AM	0.300	0.000	
12:55:40 PM	0.300	11:45:25 AM	0.300	0.000	
12:56:40 PM	0.300	11:46:25 AM	0.300	0.000	
12:57:40 PM	0.300	11:47:25 AM	0.300	0.000	
12:58:40 PM	0.300	11:48:25 AM	0.300	0.000	
12:59:40 PM	0.300	11:49:25 AM	0.300	0.000	
1:00:40 PM	0.300	11:50:25 AM	0.300	0.000	
1:01:40 PM	0.300	11:51:25 AM	0.300	0.000	
1:02:40 PM	0.300	11:52:25 AM	0.300	0.000	
1:03:40 PM	0.300	11:53:25 AM	0.300	0.000	
1:04:40 PM	0.300	11:54:25 AM	0.300	0.000	
1:05:40 PM	0.300	11:55:25 AM	0.300	0.000	
1:06:40 PM	0.300	11:56:25 AM	0.300	0.000	
1:07:40 PM	0.300	11:57:25 AM	0.300	0.000	
1:08:40 PM	0.300	11:58:25 AM	0.300	0.000	
1:09:40 PM	0.300	11:59:25 AM	0.300	0.000	
1:10:40 PM	0.300	12:00:25 PM	0.300	0.000	
1:11:40 PM	0.300	12:01:25 PM	0.300	0.000	
1:12:40 PM	0.300	12:02:25 PM	0.300	0.000	
1:13:40 PM	0.300	12:03:25 PM	0.300	0.000	
1:14:40 PM	0.300	12:04:25 PM	0.300	0.000	
1:15:40 PM	0.300	12:05:25 PM	0.300	0.000	
1:16:40 PM	0.300	12:06:25 PM	0.300	0.000	
1:17:40 PM	0.300	12:07:25 PM	0.300	0.000	
1:18:40 PM	0.300	12:08:25 PM	0.300	0.000	
1:19:40 PM	0.300	12:09:25 PM	0.300	0.000	
1:20:40 PM	0.300	12:10:25 PM	0.300	0.000	
1:21:40 PM	0.300	12:11:25 PM	0.300	0.000	
1:22:40 PM	0.300	12:12:25 PM	0.300	0.000	
1:23:40 PM	0.300	12:13:25 PM	0.300	0.000	
1:24:40 PM	0.300	12:14:25 PM	0.200	0.100	
1:25:40 PM	0.300	12:15:25 PM	0.300	0.000	
1:26:40 PM	0.300	12:16:25 PM	0.300	0.000	
1:27:40 PM	0.300	12:17:25 PM	0.200	0.100	
1:28:40 PM	0.300	12:18:25 PM	0.300	0.000	
1:29:40 PM	0.300	12:19:25 PM	0.300	0.000	
1:30:40 PM	0.300	12:20:25 PM	0.200	0.100	
1:31:40 PM	0.300	12:21:25 PM	0.200	0.100	
1:32:40 PM	0.300	12:22:25 PM	0.200	0.100	
1:33:40 PM	0.300	12:23:25 PM	0.200	0.100	
1:34:40 PM	0.300	12:24:25 PM	0.200	0.100	
1:35:40 PM	0.300	12:25:25 PM	0.200	0.100	
1:36:40 PM	0.300	12:26:25 PM	0.200	0.100	
1:37:40 PM	0.300	12:27:25 PM	0.200	0.100	
1:38:40 PM	0.300	12:28:25 PM	0.200	0.100	
1:39:40 PM	0.300	12:29:25 PM	0.200	0.100	
1:40:40 PM	0.300	12:30:25 PM	0.200	0.100	
1:41:40 PM	0.300	12:31:25 PM	0.300	0.000	
1:42:40 PM	0.300	12:32:25 PM	0.200	0.100	
1:43:40 PM	0.300	12:33:25 PM	0.300	0.000	
1:44:40 PM	0.300	12:34:25 PM	0.200	0.100	
1:45:40 PM	0.300	12:35:25 PM	0.300	0.000	

1:46:40 PM	0.300	12:36:25 PM	0.200	0.100	
1:47:40 PM	0.300	12:37:25 PM	0.300	0.000	
1:48:40 PM	0.300	12:38:25 PM	0.200	0.100	
1:49:40 PM	0.300	12:39:25 PM	0.200	0.100	
1:50:40 PM	0.300	12:40:25 PM	0.300	0.000	
1:51:40 PM	0.300	12:41:25 PM	0.200	0.100	
1:52:40 PM	0.300	12:42:25 PM	0.300	0.000	
1:53:40 PM	0.300	12:43:25 PM	0.300	0.000	
1:54:40 PM	0.300	12:44:25 PM	0.200	0.100	
1:55:40 PM	0.300	12:45:25 PM	0.200	0.100	
1:56:40 PM	0.300	12:46:25 PM	0.200	0.100	
1:57:40 PM	0.300	12:47:25 PM	0.200	0.100	
1:58:40 PM	0.300	12:48:25 PM	0.200	0.100	
1:59:40 PM	0.200	12:49:25 PM	0.300	-0.100	
2:00:40 PM	0.200	12:50:25 PM	0.300	-0.100	
2:01:40 PM	0.200	12:51:25 PM	0.300	-0.100	
2:02:40 PM	0.200	12:52:25 PM	0.300	-0.100	
2:03:40 PM	0.200	12:53:25 PM	0.300	-0.100	
2:04:40 PM	0.200	12:54:25 PM	0.300	-0.100	
2:05:40 PM	0.200	12:55:25 PM	0.200	0.000	
2:06:40 PM	0.200	12:56:25 PM	0.200	0.000	
2:07:40 PM	0.200	12:57:25 PM	0.200	0.000	
2:08:40 PM	0.200	12:58:25 PM	0.300	-0.100	
		12:59:25 PM	0.300	-0.300	
		1:00:25 PM	0.300	-0.300	
		1:01:25 PM	0.300	-0.300	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 7:39am - 1:01 pm.

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/22/2023

Upwind Station Serial #: 8530173732		Downwind Station Serial #: 8530171606		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (mg/m3)	Time	15-min Avg. (mg/m3)		
7:43:53 AM	0.012	7:52:05 AM	0.023	-0.011	
7:58:53 AM	0.010	8:07:05 AM	0.019	-0.009	
8:13:53 AM	0.010	8:22:05 AM	0.019	-0.009	
8:28:53 AM	0.011	8:37:05 AM	0.019	-0.008	
8:43:53 AM	0.296	8:52:05 AM	0.019	0.277	offsite upwind source
8:58:53 AM	0.013	9:07:05 AM	0.018	-0.005	
9:13:53 AM	0.013	9:22:05 AM	0.018	-0.005	
9:28:53 AM	0.013	9:37:05 AM	0.026	-0.013	
9:43:53 AM	0.014	9:52:05 AM	0.019	-0.005	
9:58:53 AM	0.014	10:07:05 AM	0.019	-0.005	
10:13:53 AM	0.014	10:22:05 AM	0.019	-0.005	
10:28:53 AM	0.015	10:37:05 AM	0.019	-0.004	
10:43:53 AM	0.015	10:52:05 AM	0.017	-0.002	
10:58:53 AM	0.014	11:07:05 AM	0.021	-0.007	
11:13:53 AM	0.015	11:22:05 AM	0.015	0.000	
11:28:53 AM	0.014	11:37:05 AM	0.014	0.000	
		11:52:05 AM	0.013	-0.013	
		12:07:05 PM	0.011	-0.011	
		12:22:05 PM	0.011	-0.011	
		12:37:05 PM	0.011	-0.011	
		12:52:05 PM	0.012	-0.012	

MiniRAE 3000(PGM-73: PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/22/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:37:04 AM	0.000	7:26:55 AM	0.000	0.000	
8:38:04 AM	0.000	7:27:55 AM	0.000	0.000	
8:39:04 AM	0.000	7:28:55 AM	0.000	0.000	
8:40:04 AM	0.000	7:29:55 AM	0.000	0.000	
8:41:04 AM	0.000	7:30:55 AM	0.000	0.000	
8:42:04 AM	0.000	7:31:55 AM	0.100	-0.100	
8:43:04 AM	0.000	7:32:55 AM	0.100	-0.100	
8:44:04 AM	0.000	7:33:55 AM	0.100	-0.100	
8:45:04 AM	0.000	7:34:55 AM	0.100	-0.100	
8:46:04 AM	0.000	7:35:55 AM	0.100	-0.100	
8:47:04 AM	0.000	7:36:55 AM	0.100	-0.100	
8:48:04 AM	0.000	7:37:55 AM	0.100	-0.100	
8:49:04 AM	0.000	7:38:55 AM	0.100	-0.100	
8:50:04 AM	0.000	7:39:55 AM	0.100	-0.100	
8:51:04 AM	0.000	7:40:55 AM	0.100	-0.100	
8:52:04 AM	0.000	7:41:55 AM	0.100	-0.100	
8:53:04 AM	0.000	7:42:55 AM	0.100	-0.100	
8:54:04 AM	0.000	7:43:55 AM	0.100	-0.100	
8:55:04 AM	0.000	7:44:55 AM	0.100	-0.100	
8:56:04 AM	0.000	7:45:55 AM	0.100	-0.100	
8:57:04 AM	0.000	7:46:55 AM	0.100	-0.100	
8:58:04 AM	0.000	7:47:55 AM	0.100	-0.100	
8:59:04 AM	0.000	7:48:55 AM	0.100	-0.100	
9:00:04 AM	0.000	7:49:55 AM	0.100	-0.100	
9:01:04 AM	0.000	7:50:55 AM	0.100	-0.100	
9:02:04 AM	0.000	7:51:55 AM	0.200	-0.200	
9:03:04 AM	0.000	7:52:55 AM	0.200	-0.200	
9:04:04 AM	0.000	7:53:55 AM	0.100	-0.100	
9:05:04 AM	0.000	7:54:55 AM	0.200	-0.200	
9:06:04 AM	0.000	7:55:55 AM	0.200	-0.200	
9:07:04 AM	0.000	7:56:55 AM	0.200	-0.200	
9:08:04 AM	0.000	7:57:55 AM	0.200	-0.200	
9:09:04 AM	0.000	7:58:55 AM	0.200	-0.200	
9:10:04 AM	0.100	7:59:55 AM	0.200	-0.100	
9:11:04 AM	0.100	8:00:55 AM	0.200	-0.100	
9:12:04 AM	0.100	8:01:55 AM	0.200	-0.100	
9:13:04 AM	0.100	8:02:55 AM	0.200	-0.100	
9:14:04 AM	0.100	8:03:55 AM	0.200	-0.100	
9:15:04 AM	0.100	8:04:55 AM	0.200	-0.100	
9:16:04 AM	0.100	8:05:55 AM	0.200	-0.100	
9:17:04 AM	0.100	8:06:55 AM	0.200	-0.100	
9:18:04 AM	0.100	8:07:55 AM	0.200	-0.100	
9:19:04 AM	0.100	8:08:55 AM	0.200	-0.100	
9:20:04 AM	0.100	8:09:55 AM	0.200	-0.100	
9:21:04 AM	0.100	8:10:55 AM	0.200	-0.100	
9:22:04 AM	0.100	8:11:55 AM	0.200	-0.100	
9:23:04 AM	0.100	8:12:55 AM	0.200	-0.100	

9:24:04 AM	0.100	8:13:55 AM	0.200	-0.100	
9:25:04 AM	0.100	8:14:55 AM	0.200	-0.100	
9:26:04 AM	0.100	8:15:55 AM	0.200	-0.100	
9:27:04 AM	0.100	8:16:55 AM	0.200	-0.100	
9:28:04 AM	0.100	8:17:55 AM	0.200	-0.100	
9:29:04 AM	0.100	8:18:55 AM	0.200	-0.100	
9:30:04 AM	0.100	8:19:55 AM	0.200	-0.100	
9:31:04 AM	0.100	8:20:55 AM	0.200	-0.100	
9:32:04 AM	0.100	8:21:55 AM	0.200	-0.100	
9:33:04 AM	0.100	8:22:55 AM	0.200	-0.100	
9:34:04 AM	0.100	8:23:55 AM	0.200	-0.100	
9:35:04 AM	0.100	8:24:55 AM	0.200	-0.100	
9:36:04 AM	0.100	8:25:55 AM	0.200	-0.100	
9:37:04 AM	0.100	8:26:55 AM	0.200	-0.100	
9:38:04 AM	0.100	8:27:55 AM	0.200	-0.100	
9:39:04 AM	0.100	8:28:55 AM	0.200	-0.100	
9:40:04 AM	0.100	8:29:55 AM	0.200	-0.100	
9:41:04 AM	0.100	8:30:55 AM	0.200	-0.100	
9:42:04 AM	0.100	8:31:55 AM	0.200	-0.100	
9:43:04 AM	0.100	8:32:55 AM	0.300	-0.200	
9:44:04 AM	0.100	8:33:55 AM	0.300	-0.200	
9:45:04 AM	0.100	8:34:55 AM	0.300	-0.200	
9:46:04 AM	0.100	8:35:55 AM	0.300	-0.200	
9:47:04 AM	0.100	8:36:55 AM	0.300	-0.200	
9:48:04 AM	0.100	8:37:55 AM	0.300	-0.200	
9:49:04 AM	0.100	8:38:55 AM	0.300	-0.200	
9:50:04 AM	0.100	8:39:55 AM	0.200	-0.100	
9:51:04 AM	0.100	8:40:55 AM	0.200	-0.100	
9:52:04 AM	0.100	8:41:55 AM	0.300	-0.200	
9:53:04 AM	0.100	8:42:55 AM	0.300	-0.200	
9:54:04 AM	0.100	8:43:55 AM	0.300	-0.200	
9:55:04 AM	0.100	8:44:55 AM	0.300	-0.200	
9:56:04 AM	0.100	8:45:55 AM	0.300	-0.200	
9:57:04 AM	0.100	8:46:55 AM	0.300	-0.200	
9:58:04 AM	0.100	8:47:55 AM	0.300	-0.200	
9:59:04 AM	0.100	8:48:55 AM	0.300	-0.200	
10:00:04 AM	0.100	8:49:55 AM	0.300	-0.200	
10:01:04 AM	0.100	8:50:55 AM	0.300	-0.200	
10:02:04 AM	0.100	8:51:55 AM	0.300	-0.200	
10:03:04 AM	0.100	8:52:55 AM	0.300	-0.200	
10:04:04 AM	0.100	8:53:55 AM	0.300	-0.200	
10:05:04 AM	0.100	8:54:55 AM	0.300	-0.200	
10:06:04 AM	0.100	8:55:55 AM	0.300	-0.200	
10:07:04 AM	0.100	8:56:55 AM	0.300	-0.200	
10:08:04 AM	0.100	8:57:55 AM	0.300	-0.200	
10:09:04 AM	0.100	8:58:55 AM	0.300	-0.200	
10:10:04 AM	0.100	8:59:55 AM	0.300	-0.200	
10:11:04 AM	0.100	9:00:55 AM	0.300	-0.200	
10:12:04 AM	0.100	9:01:55 AM	0.300	-0.200	
10:13:04 AM	0.100	9:02:55 AM	0.300	-0.200	
10:14:04 AM	0.100	9:03:55 AM	0.300	-0.200	
10:15:04 AM	0.100	9:04:55 AM	0.300	-0.200	
10:16:04 AM	0.100	9:05:55 AM	0.300	-0.200	
10:17:04 AM	0.100	9:06:55 AM	0.300	-0.200	
10:18:04 AM	0.100	9:07:55 AM	0.300	-0.200	

10:19:04 AM	0.100	9:08:55 AM	0.300	-0.200	
10:20:04 AM	0.100	9:09:55 AM	0.300	-0.200	
10:21:04 AM	0.100	9:10:55 AM	0.300	-0.200	
10:22:04 AM	0.100	9:11:55 AM	0.300	-0.200	
10:23:04 AM	0.100	9:12:55 AM	0.300	-0.200	
10:24:04 AM	0.100	9:13:55 AM	0.300	-0.200	
10:25:04 AM	0.100	9:14:55 AM	0.300	-0.200	
10:26:04 AM	0.100	9:15:55 AM	0.300	-0.200	
10:27:04 AM	0.100	9:16:55 AM	0.300	-0.200	
10:28:04 AM	0.100	9:17:55 AM	0.300	-0.200	
10:29:04 AM	0.100	9:18:55 AM	0.300	-0.200	
10:30:04 AM	0.100	9:19:55 AM	0.300	-0.200	
10:31:04 AM	0.100	9:20:55 AM	0.300	-0.200	
10:32:04 AM	0.100	9:21:55 AM	0.300	-0.200	
10:33:04 AM	0.100	9:22:55 AM	0.300	-0.200	
10:34:04 AM	0.100	9:23:55 AM	0.300	-0.200	
10:35:04 AM	0.100	9:24:55 AM	0.300	-0.200	
10:36:04 AM	0.100	9:25:55 AM	0.300	-0.200	
10:37:04 AM	0.100	9:26:55 AM	0.300	-0.200	
10:38:04 AM	0.100	9:27:55 AM	0.300	-0.200	
10:39:04 AM	0.100	9:28:55 AM	0.300	-0.200	
10:40:04 AM	0.100	9:29:55 AM	0.400	-0.300	
10:41:04 AM	0.100	9:30:55 AM	0.300	-0.200	
10:42:04 AM	0.100	9:31:55 AM	0.300	-0.200	
10:43:04 AM	0.100	9:32:55 AM	0.300	-0.200	
10:44:04 AM	0.100	9:33:55 AM	0.300	-0.200	
10:45:04 AM	0.100	9:34:55 AM	0.300	-0.200	
10:46:04 AM	0.100	9:35:55 AM	0.300	-0.200	
10:47:04 AM	0.100	9:36:55 AM	0.300	-0.200	
10:48:04 AM	0.100	9:37:55 AM	0.300	-0.200	
10:49:04 AM	0.100	9:38:55 AM	0.300	-0.200	
10:50:04 AM	0.100	9:39:55 AM	0.300	-0.200	
10:51:04 AM	0.100	9:40:55 AM	0.300	-0.200	
10:52:04 AM	0.100	9:41:55 AM	0.300	-0.200	
10:53:04 AM	0.100	9:42:55 AM	0.300	-0.200	
10:54:04 AM	0.100	9:43:55 AM	0.300	-0.200	
10:55:04 AM	0.100	9:44:55 AM	0.300	-0.200	
10:56:04 AM	0.100	9:45:55 AM	0.300	-0.200	
10:57:04 AM	0.100	9:46:55 AM	0.300	-0.200	
10:58:04 AM	0.100	9:47:55 AM	0.300	-0.200	
10:59:04 AM	0.100	9:48:55 AM	0.300	-0.200	
11:00:04 AM	0.100	9:49:55 AM	0.300	-0.200	
11:01:04 AM	0.100	9:50:55 AM	0.300	-0.200	
11:02:04 AM	0.100	9:51:55 AM	0.300	-0.200	
11:03:04 AM	0.100	9:52:55 AM	0.300	-0.200	
11:04:04 AM	0.100	9:53:55 AM	0.300	-0.200	
11:05:04 AM	0.100	9:54:55 AM	0.300	-0.200	
11:06:04 AM	0.200	9:55:55 AM	0.300	-0.100	
11:07:04 AM	0.200	9:56:55 AM	0.300	-0.100	
11:08:04 AM	0.200	9:57:55 AM	0.300	-0.100	
11:09:04 AM	0.100	9:58:55 AM	0.300	-0.200	
11:10:04 AM	0.100	9:59:55 AM	0.300	-0.200	
11:11:04 AM	0.200	10:00:55 AM	0.300	-0.100	
11:12:04 AM	0.200	10:01:55 AM	0.300	-0.100	
11:13:04 AM	0.200	10:02:55 AM	0.300	-0.100	

11:14:04 AM	0.200	10:03:55 AM	0.300	-0.100	
11:15:04 AM	0.200	10:04:55 AM	0.300	-0.100	
11:16:04 AM	0.200	10:05:55 AM	0.300	-0.100	
11:17:04 AM	0.200	10:06:55 AM	0.300	-0.100	
11:18:04 AM	0.200	10:07:55 AM	0.300	-0.100	
11:19:04 AM	0.200	10:08:55 AM	0.300	-0.100	
11:20:04 AM	0.200	10:09:55 AM	0.300	-0.100	
11:21:04 AM	0.200	10:10:55 AM	0.300	-0.100	
11:22:04 AM	0.200	10:11:55 AM	0.300	-0.100	
11:23:04 AM	0.200	10:12:55 AM	0.300	-0.100	
11:24:04 AM	0.200	10:13:55 AM	0.300	-0.100	
11:25:04 AM	0.200	10:14:55 AM	0.300	-0.100	
11:26:04 AM	0.200	10:15:55 AM	0.300	-0.100	
11:27:04 AM	0.200	10:16:55 AM	0.300	-0.100	
11:28:04 AM	0.200	10:17:55 AM	0.300	-0.100	
11:29:04 AM	0.200	10:18:55 AM	0.300	-0.100	
11:30:04 AM	0.200	10:19:55 AM	0.300	-0.100	
11:31:04 AM	0.200	10:20:55 AM	0.300	-0.100	
11:32:04 AM	0.200	10:21:55 AM	0.300	-0.100	
11:33:04 AM	0.200	10:22:55 AM	0.300	-0.100	
11:34:04 AM	0.200	10:23:55 AM	0.300	-0.100	
11:35:04 AM	0.200	10:24:55 AM	0.300	-0.100	
11:36:04 AM	0.200	10:25:55 AM	0.300	-0.100	
11:37:04 AM	0.200	10:26:55 AM	0.300	-0.100	
11:38:04 AM	0.200	10:27:55 AM	0.300	-0.100	
11:39:04 AM	0.200	10:28:55 AM	0.300	-0.100	
11:40:04 AM	0.200	10:29:55 AM	0.300	-0.100	
11:41:04 AM	0.200	10:30:55 AM	0.300	-0.100	
11:42:04 AM	0.200	10:31:55 AM	0.300	-0.100	
11:43:04 AM	0.200	10:32:55 AM	0.300	-0.100	
11:44:04 AM	0.200	10:33:55 AM	0.300	-0.100	
11:45:04 AM	0.200	10:34:55 AM	0.300	-0.100	
11:46:04 AM	0.200	10:35:55 AM	0.300	-0.100	
11:47:04 AM	0.200	10:36:55 AM	0.300	-0.100	
11:48:04 AM	0.200	10:37:55 AM	0.300	-0.100	
11:49:04 AM	0.200	10:38:55 AM	0.300	-0.100	
11:50:04 AM	0.200	10:39:55 AM	0.300	-0.100	
11:51:04 AM	0.200	10:40:55 AM	0.300	-0.100	
11:52:04 AM	0.200	10:41:55 AM	0.300	-0.100	
11:53:04 AM	0.200	10:42:55 AM	0.300	-0.100	
11:54:04 AM	0.200	10:43:55 AM	0.300	-0.100	
11:55:04 AM	0.200	10:44:55 AM	0.300	-0.100	
11:56:04 AM	0.200	10:45:55 AM	0.300	-0.100	
11:57:04 AM	0.200	10:46:55 AM	0.300	-0.100	
11:58:04 AM	0.200	10:47:55 AM	0.300	-0.100	
11:59:04 AM	0.200	10:48:55 AM	0.300	-0.100	
12:00:04 PM	0.200	10:49:55 AM	0.300	-0.100	
12:01:04 PM	0.200	10:50:55 AM	0.300	-0.100	
12:02:04 PM	0.200	10:51:55 AM	0.300	-0.100	
12:03:04 PM	0.200	10:52:55 AM	0.300	-0.100	
12:04:04 PM	0.200	10:53:55 AM	0.300	-0.100	
12:05:04 PM	0.200	10:54:55 AM	0.300	-0.100	
12:06:04 PM	0.200	10:55:55 AM	0.300	-0.100	
12:07:04 PM	0.200	10:56:55 AM	0.300	-0.100	
12:08:04 PM	0.300	10:57:55 AM	0.300	0.000	

12:09:04 PM	0.300	10:58:55 AM	0.300	0.000	
12:10:04 PM	0.300	10:59:55 AM	0.300	0.000	
12:11:04 PM	0.300	11:00:55 AM	0.300	0.000	
12:12:04 PM	0.300	11:01:55 AM	0.300	0.000	
12:13:04 PM	0.300	11:02:55 AM	0.300	0.000	
12:14:04 PM	0.300	11:03:55 AM	0.300	0.000	
12:15:04 PM	0.300	11:04:55 AM	0.300	0.000	
12:16:04 PM	0.300	11:05:55 AM	0.400	-0.100	
12:17:04 PM	0.300	11:06:55 AM	0.400	-0.100	
12:18:04 PM	0.300	11:07:55 AM	0.400	-0.100	
12:19:04 PM	0.300	11:08:55 AM	0.400	-0.100	
12:20:04 PM	0.300	11:09:55 AM	0.400	-0.100	
12:21:04 PM	0.300	11:10:55 AM	0.400	-0.100	
12:22:04 PM	0.300	11:11:55 AM	0.400	-0.100	
12:23:04 PM	0.300	11:12:55 AM	0.400	-0.100	
12:24:04 PM	0.300	11:13:55 AM	0.400	-0.100	
12:25:04 PM	0.300	11:14:55 AM	0.400	-0.100	
12:26:04 PM	0.300	11:15:55 AM	0.400	-0.100	
12:27:04 PM	0.300	11:16:55 AM	0.400	-0.100	
12:28:04 PM	0.300	11:17:55 AM	0.400	-0.100	
12:29:04 PM	0.300	11:18:55 AM	0.400	-0.100	
12:30:04 PM	0.300	11:19:55 AM	0.400	-0.100	
12:31:04 PM	0.300	11:20:55 AM	0.400	-0.100	
12:32:04 PM	0.300	11:21:55 AM	0.400	-0.100	
12:33:04 PM	0.300	11:22:55 AM	0.400	-0.100	
12:34:04 PM	0.300	11:23:55 AM	0.400	-0.100	
12:35:04 PM	0.300	11:24:55 AM	0.400	-0.100	
12:36:04 PM	0.300	11:25:55 AM	0.400	-0.100	
12:37:04 PM	0.300	11:26:55 AM	0.400	-0.100	
12:38:04 PM	0.300	11:27:55 AM	0.400	-0.100	
12:39:04 PM	0.300	11:28:55 AM	0.400	-0.100	
12:40:04 PM	0.300	11:29:55 AM	0.400	-0.100	
12:41:04 PM	0.300	11:30:55 AM	0.400	-0.100	
		11:31:55 AM	0.400	-0.400	
		11:32:55 AM	0.400	-0.400	
		11:33:55 AM	0.400	-0.400	
		11:34:55 AM	0.400	-0.400	
		11:35:55 AM	0.400	-0.400	
		11:36:55 AM	0.400	-0.400	
		11:37:55 AM	0.600	-0.600	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 7:26am - 11:37 am

TrakPro Version 4.70 ASCII Data File DustTrak Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/26/2023

Upwind Station		Downwind Station		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
7:20:15 AM	0.052	7:24:41 AM	0.416	-0.364	Car exhaust near meter, requested to move.
7:21:15 AM	0.050	7:25:41 AM	0.061	-0.011	
7:22:15 AM	0.051	7:26:41 AM	0.061	-0.010	
7:23:15 AM	0.053	7:27:41 AM	0.060	-0.007	
7:24:15 AM	0.055	7:28:41 AM	0.058	-0.003	
7:25:15 AM	0.055	7:29:41 AM	0.057	-0.002	
7:26:15 AM	0.053	7:30:41 AM	0.056	-0.003	
7:27:15 AM	0.053	7:31:41 AM	0.056	-0.003	
7:28:15 AM	0.052	7:32:41 AM	0.057	-0.005	
7:29:15 AM	0.051	7:33:41 AM	0.058	-0.007	
7:30:15 AM	0.050	7:34:41 AM	0.057	-0.007	
7:31:15 AM	0.052	7:35:41 AM	0.058	-0.006	
7:32:15 AM	0.052	7:36:41 AM	0.058	-0.006	
7:33:15 AM	0.052	7:37:41 AM	0.058	-0.006	
7:34:15 AM	0.053	7:38:41 AM	0.057	-0.004	
7:35:15 AM	0.052	7:39:41 AM	0.058	-0.006	
7:36:15 AM	0.052	7:40:41 AM	0.058	-0.006	
7:37:15 AM	0.053	7:41:41 AM	0.058	-0.005	
7:38:15 AM	0.052	7:42:41 AM	0.058	-0.006	
7:39:15 AM	0.051	7:43:41 AM	0.056	-0.005	
7:40:15 AM	0.051	7:44:41 AM	0.056	-0.005	
7:41:15 AM	0.051	7:45:41 AM	0.058	-0.007	
7:42:15 AM	0.057	7:46:41 AM	0.059	-0.002	
7:43:15 AM	0.054	7:47:41 AM	0.061	-0.007	
7:44:15 AM	0.053	7:48:41 AM	0.060	-0.007	
7:45:15 AM	0.053	7:49:41 AM	0.063	-0.010	
7:46:15 AM	0.054	7:50:41 AM	0.062	-0.008	
7:47:15 AM	0.054	7:51:41 AM	0.063	-0.009	
7:48:15 AM	0.054	7:52:41 AM	0.062	-0.008	
7:49:15 AM	0.056	7:53:41 AM	0.061	-0.005	
7:50:15 AM	0.056	7:54:41 AM	0.061	-0.005	
7:51:15 AM	0.056	7:55:41 AM	0.061	-0.005	
7:52:15 AM	0.056	7:56:41 AM	0.059	-0.003	
7:53:15 AM	0.054	7:57:41 AM	0.059	-0.005	
7:54:15 AM	0.055	7:58:41 AM	0.059	-0.004	
7:55:15 AM	0.054	7:59:41 AM	0.060	-0.006	
7:56:15 AM	0.053	8:00:41 AM	0.060	-0.007	
7:57:15 AM	0.053	8:01:41 AM	0.061	-0.008	
7:58:15 AM	0.054	8:02:41 AM	0.059	-0.005	
7:59:15 AM	0.053	8:03:41 AM	0.056	-0.003	
8:00:15 AM	0.053	8:04:41 AM	0.056	-0.003	
8:01:15 AM	0.054	8:05:41 AM	0.056	-0.002	
8:02:15 AM	0.053	8:06:41 AM	0.057	-0.004	
8:03:15 AM	0.051	8:07:41 AM	0.057	-0.006	
8:04:15 AM	0.049	8:08:41 AM	0.057	-0.008	
8:05:15 AM	0.050	8:09:41 AM	0.057	-0.007	
8:06:15 AM	0.051	8:10:41 AM	0.057	-0.006	
8:07:15 AM	0.051	8:11:41 AM	0.058	-0.007	
8:08:15 AM	0.051	8:12:41 AM	0.059	-0.008	
8:09:15 AM	0.050	8:13:41 AM	0.059	-0.009	
8:10:15 AM	0.051	8:14:41 AM	0.058	-0.007	

8:11:15 AM	0.051	8:15:41 AM	0.059	-0.008	
8:12:15 AM	0.052	8:16:41 AM	0.060	-0.008	
8:13:15 AM	0.051	8:17:41 AM	0.061	-0.010	
8:14:15 AM	0.051	8:18:41 AM	0.062	-0.011	
8:15:15 AM	0.051	8:19:41 AM	0.063	-0.012	
8:16:15 AM	0.052	8:20:41 AM	0.062	-0.010	
8:17:15 AM	0.055	8:21:41 AM	0.063	-0.008	
8:18:15 AM	0.055	8:22:41 AM	0.064	-0.009	
8:19:15 AM	0.054	8:23:41 AM	0.064	-0.010	
8:20:15 AM	0.055	8:24:41 AM	0.066	-0.011	
8:21:15 AM	0.057	8:25:41 AM	0.067	-0.010	
8:22:15 AM	0.058	8:26:41 AM	0.066	-0.008	
8:23:15 AM	0.057	8:27:41 AM	0.064	-0.007	
8:24:15 AM	0.059	8:28:41 AM	0.065	-0.006	
8:25:15 AM	0.062	8:29:41 AM	0.064	-0.002	
8:26:15 AM	0.059	8:30:41 AM	0.064	-0.005	
8:27:15 AM	0.059	8:31:41 AM	0.065	-0.006	
8:28:15 AM	0.057	8:32:41 AM	0.067	-0.010	
8:29:15 AM	0.056	8:33:41 AM	0.068	-0.012	
8:30:15 AM	0.056	8:34:41 AM	0.072	-0.016	
8:31:15 AM	0.057	8:35:41 AM	0.071	-0.014	
8:32:15 AM	0.058	8:36:41 AM	0.070	-0.012	
8:33:15 AM	0.059	8:37:41 AM	0.071	-0.012	
8:34:15 AM	0.061	8:38:41 AM	0.071	-0.010	
8:35:15 AM	0.063	8:39:41 AM	0.071	-0.008	
8:36:15 AM	0.060	8:40:41 AM	0.073	-0.013	
8:37:15 AM	0.060	8:41:41 AM	0.073	-0.013	
8:38:15 AM	0.061	8:42:41 AM	0.072	-0.011	
8:39:15 AM	0.062	8:43:41 AM	0.072	-0.010	
8:40:15 AM	0.064	8:44:41 AM	0.075	-0.011	
8:41:15 AM	0.063	8:45:41 AM	0.079	-0.016	
8:42:15 AM	0.063	8:46:41 AM	0.073	-0.010	
8:43:15 AM	0.064	8:47:41 AM	0.076	-0.012	
8:44:15 AM	0.065	8:48:41 AM	0.076	-0.011	
8:45:15 AM	0.064	8:49:41 AM	0.076	-0.012	
8:46:15 AM	0.063	8:50:41 AM	0.076	-0.013	
8:47:15 AM	0.064	8:51:41 AM	0.078	-0.014	
8:48:15 AM	0.066	8:52:41 AM	0.078	-0.012	
8:49:15 AM	0.065	8:53:41 AM	0.079	-0.014	
8:50:15 AM	0.066	8:54:41 AM	0.085	-0.019	
8:51:15 AM	0.067	8:55:41 AM	0.081	-0.014	
8:52:15 AM	0.067	8:56:41 AM	0.083	-0.016	
8:53:15 AM	0.069	8:57:41 AM	0.083	-0.014	
8:54:15 AM	0.068	8:58:41 AM	0.082	-0.014	
8:55:15 AM	0.070	8:59:41 AM	0.082	-0.012	
8:56:15 AM	0.070	9:00:41 AM	0.082	-0.012	
8:57:15 AM	0.072	9:01:41 AM	0.082	-0.010	
8:58:15 AM	0.071	9:02:41 AM	0.085	-0.014	
8:59:15 AM	0.072	9:03:41 AM	0.090	-0.018	
9:00:15 AM	0.070	9:04:41 AM	0.092	-0.022	
9:01:15 AM	0.072	9:05:41 AM	0.086	-0.014	
9:02:15 AM	0.092	9:06:41 AM	0.085	0.007	
9:03:15 AM	0.107	9:07:41 AM	0.084	0.023	
9:04:15 AM	0.075	9:08:41 AM	0.085	-0.010	
9:05:15 AM	0.075	9:09:41 AM	0.085	-0.010	
9:06:15 AM	0.074	9:10:41 AM	0.086	-0.012	
9:07:15 AM	0.073	9:11:41 AM	0.088	-0.015	
9:08:15 AM	0.073	9:12:41 AM	0.087	-0.014	
9:09:15 AM	0.074	9:13:41 AM	0.111	-0.037	

9:10:15 AM	0.073	9:14:41 AM	0.088	-0.015	
9:11:15 AM	0.074	9:15:41 AM	0.091	-0.017	
9:12:15 AM	0.074	9:16:41 AM	0.084	-0.010	
9:13:15 AM	0.073	9:17:41 AM	0.087	-0.014	
9:14:15 AM	0.074	9:18:41 AM	0.084	-0.010	
9:15:15 AM	0.073	9:19:41 AM	0.083	-0.010	
9:16:15 AM	0.073	9:20:41 AM	0.084	-0.011	
9:17:15 AM	0.073	9:21:41 AM	0.085	-0.012	
9:18:15 AM	0.072	9:22:41 AM	0.083	-0.011	
9:19:15 AM	0.072	9:23:41 AM	0.083	-0.011	
9:20:15 AM	0.072	9:24:41 AM	0.087	-0.015	
9:21:15 AM	0.073	9:25:41 AM	0.085	-0.012	
9:22:15 AM	0.071	9:26:41 AM	0.084	-0.013	
9:23:15 AM	0.073	9:27:41 AM	0.083	-0.010	
9:24:15 AM	0.075	9:28:41 AM	0.083	-0.008	
9:25:15 AM	0.073	9:29:41 AM	0.083	-0.010	
9:26:15 AM	0.072	9:30:41 AM	0.083	-0.011	
9:27:15 AM	0.071	9:31:41 AM	0.083	-0.012	
9:28:15 AM	0.072	9:32:41 AM	0.083	-0.011	
9:29:15 AM	0.071	9:33:41 AM	0.082	-0.011	
9:30:15 AM	0.071	9:34:41 AM	0.083	-0.012	
9:31:15 AM	0.071	9:35:41 AM	0.083	-0.012	
9:32:15 AM	0.070	9:36:41 AM	0.084	-0.014	
9:33:15 AM	0.071	9:37:41 AM	0.086	-0.015	
9:34:15 AM	0.072	9:38:41 AM	0.087	-0.015	
9:35:15 AM	0.072	9:39:41 AM	0.085	-0.013	
9:36:15 AM	0.079	9:40:41 AM	0.083	-0.004	
9:37:15 AM	0.075	9:41:41 AM	0.082	-0.007	
9:38:15 AM	0.074	9:42:41 AM	0.081	-0.007	
9:39:15 AM	0.073	9:43:41 AM	0.082	-0.009	
9:40:15 AM	0.071	9:44:41 AM	0.084	-0.013	
9:41:15 AM	0.070	9:45:41 AM	0.085	-0.015	
9:42:15 AM	0.070	9:46:41 AM	0.086	-0.016	
9:43:15 AM	0.071	9:47:41 AM	0.087	-0.016	
9:44:15 AM	0.072	9:48:41 AM	0.087	-0.015	
9:45:15 AM	0.073	9:49:41 AM	0.088	-0.015	
9:46:15 AM	0.074	9:50:41 AM	0.089	-0.015	
9:47:15 AM	0.075	9:51:41 AM	0.088	-0.013	
9:48:15 AM	0.075	9:52:41 AM	0.087	-0.012	
9:49:15 AM	0.075	9:53:41 AM	0.088	-0.013	
9:50:15 AM	0.075	9:54:41 AM	0.090	-0.015	
9:51:15 AM	0.075	9:55:41 AM	0.090	-0.015	
9:52:15 AM	0.075	9:56:41 AM	0.090	-0.015	
9:53:15 AM	0.077	9:57:41 AM	0.091	-0.014	
9:54:15 AM	0.077	9:58:41 AM	0.091	-0.014	
9:55:15 AM	0.076	9:59:41 AM	0.091	-0.015	
9:56:15 AM	0.076	10:00:41 AM	0.091	-0.015	
9:57:15 AM	0.077	10:01:41 AM	0.093	-0.016	
9:58:15 AM	0.077	10:02:41 AM	0.093	-0.016	
9:59:15 AM	0.076	10:03:41 AM	0.093	-0.017	
10:00:15 AM	0.077	10:04:41 AM	0.094	-0.017	
10:01:15 AM	0.079	10:05:41 AM	0.093	-0.014	
10:02:15 AM	0.078	10:06:41 AM	0.094	-0.016	
10:03:15 AM	0.079	10:07:41 AM	0.095	-0.016	
10:04:15 AM	0.083	10:08:41 AM	0.097	-0.014	
10:05:15 AM	0.080	10:09:41 AM	0.094	-0.014	
10:06:15 AM	0.080	10:10:41 AM	0.094	-0.014	
10:07:15 AM	0.084	10:11:41 AM	0.093	-0.009	
10:08:15 AM	0.082	10:12:41 AM	0.094	-0.012	

10:09:15 AM	0.080	10:13:41 AM	0.098	-0.018	
10:10:15 AM	0.080	10:14:41 AM	0.094	-0.014	
10:11:15 AM	0.079	10:15:41 AM	0.093	-0.014	
10:12:15 AM	0.079	10:16:41 AM	0.093	-0.014	
10:13:15 AM	0.082	10:17:41 AM	0.093	-0.011	
10:14:15 AM	0.080	10:18:41 AM	0.094	-0.014	
10:15:15 AM	0.078	10:19:41 AM	0.093	-0.015	
10:16:15 AM	0.079	10:20:41 AM	0.091	-0.012	
10:17:15 AM	0.080	10:21:41 AM	0.091	-0.011	
10:18:15 AM	0.081	10:22:41 AM	0.090	-0.009	
10:19:15 AM	0.079	10:23:41 AM	0.089	-0.010	
10:20:15 AM	0.078	10:24:41 AM	0.089	-0.011	
10:21:15 AM	0.079	10:25:41 AM	0.090	-0.011	
10:22:15 AM	0.076	10:26:41 AM	0.089	-0.013	
10:23:15 AM	0.077	10:27:41 AM	0.089	-0.012	
10:24:15 AM	0.076	10:28:41 AM	0.089	-0.013	
10:25:15 AM	0.077	10:29:41 AM	0.089	-0.012	
10:26:15 AM	0.076	10:30:41 AM	0.090	-0.014	
10:27:15 AM	0.075	10:31:41 AM	0.090	-0.015	
10:28:15 AM	0.075	10:32:41 AM	0.089	-0.014	
10:29:15 AM	0.075	10:33:41 AM	0.088	-0.013	
10:30:15 AM	0.076	10:34:41 AM	0.089	-0.013	
10:31:15 AM	0.076	10:35:41 AM	0.090	-0.014	
10:32:15 AM	0.076	10:36:41 AM	0.091	-0.015	
10:33:15 AM	0.074	10:37:41 AM	0.091	-0.017	
10:34:15 AM	0.075	10:38:41 AM	0.092	-0.017	
10:35:15 AM	0.077	10:39:41 AM	0.092	-0.015	
10:36:15 AM	0.077	10:40:41 AM	0.092	-0.015	
10:37:15 AM	0.077	10:41:41 AM	0.093	-0.016	
10:38:15 AM	0.079	10:42:41 AM	0.096	-0.017	
10:39:15 AM	0.078	10:43:41 AM	0.094	-0.016	
10:40:15 AM	0.079	10:44:41 AM	0.093	-0.014	
10:41:15 AM	0.080	10:45:41 AM	0.093	-0.013	
10:42:15 AM	0.083	10:46:41 AM	0.098	-0.015	
10:43:15 AM	0.081	10:47:41 AM	0.095	-0.014	
10:44:15 AM	0.079	10:48:41 AM	0.093	-0.014	
10:45:15 AM	0.078	10:49:41 AM	0.094	-0.016	
10:46:15 AM	0.083	10:50:41 AM	0.091	-0.008	
10:47:15 AM	0.080	10:51:41 AM	0.099	-0.019	
10:48:15 AM	0.079	10:52:41 AM	0.107	-0.028	
10:49:15 AM	0.079	10:53:41 AM	0.093	-0.014	
10:50:15 AM	0.077	10:54:41 AM	0.089	-0.012	
10:51:15 AM	0.079	10:55:41 AM	0.085	-0.006	
10:52:15 AM	0.075	10:56:41 AM	0.086	-0.011	
10:53:15 AM	0.078	10:57:41 AM	0.086	-0.008	
10:54:15 AM	0.076	10:58:41 AM	0.086	-0.010	
10:55:15 AM	0.074	10:59:41 AM	0.086	-0.012	
10:56:15 AM	0.074	11:00:41 AM	0.093	-0.019	
10:57:15 AM	0.074	11:01:41 AM	0.088	-0.014	
10:58:15 AM	0.074	11:02:41 AM	0.086	-0.012	
10:59:15 AM	0.074	11:03:41 AM	0.087	-0.013	
11:00:15 AM	0.089	11:04:41 AM	0.084	0.005	
11:01:15 AM	0.074	11:05:41 AM	0.085	-0.011	
11:02:15 AM	0.073	11:06:41 AM	0.085	-0.012	
11:03:15 AM	0.072	11:07:41 AM	0.087	-0.015	
11:04:15 AM	0.071	11:08:41 AM	0.090	-0.019	
11:05:15 AM	0.071	11:09:41 AM	0.086	-0.015	
11:06:15 AM	0.072	11:10:41 AM	0.088	-0.016	
11:07:15 AM	0.073	11:11:41 AM	0.087	-0.014	

11:08:15 AM	0.076	11:12:41 AM	0.081	-0.005	
11:09:15 AM	0.072	11:13:41 AM	0.080	-0.008	
11:10:15 AM	0.071	11:14:41 AM	0.084	-0.013	
11:11:15 AM	0.070	11:15:41 AM	0.082	-0.012	
11:12:15 AM	0.069	11:16:41 AM	0.081	-0.012	
11:13:15 AM	0.069	11:17:41 AM	0.078	-0.009	
11:14:15 AM	0.071	11:18:41 AM	0.078	-0.007	
11:15:15 AM	0.068	11:19:41 AM	0.077	-0.009	
11:16:15 AM	0.067	11:20:41 AM	0.073	-0.006	
11:17:15 AM	0.064	11:21:41 AM	0.073	-0.009	
11:18:15 AM	0.065	11:22:41 AM	0.071	-0.006	
11:19:15 AM	0.064	11:23:41 AM	0.069	-0.005	
11:20:15 AM	0.062	11:24:41 AM	0.070	-0.008	
11:21:15 AM	0.061	11:25:41 AM	0.073	-0.012	
11:22:15 AM	0.060	11:26:41 AM	0.071	-0.011	
11:23:15 AM	0.061	11:27:41 AM	0.076	-0.015	
11:24:15 AM	0.061	11:28:41 AM	0.104	-0.043	
11:25:15 AM	0.059	11:29:41 AM	0.094	-0.035	
11:26:15 AM	0.058	11:30:41 AM	0.073	-0.015	
11:27:15 AM	0.059	11:31:41 AM	0.067	-0.008	
11:28:15 AM	0.058	11:32:41 AM	0.069	-0.011	
11:29:15 AM	0.059	11:33:41 AM	0.070	-0.011	
11:30:15 AM	0.058	11:34:41 AM	0.070	-0.012	
11:31:15 AM	0.059	11:35:41 AM	0.071	-0.012	
11:32:15 AM	0.061	11:36:41 AM	0.077	-0.016	
11:33:15 AM	0.060	11:37:41 AM	0.072	-0.012	
11:34:15 AM	0.060	11:38:41 AM	0.069	-0.009	
11:35:15 AM	0.062	11:39:41 AM	0.067	-0.005	
11:36:15 AM	0.062	11:40:41 AM	0.067	-0.005	
11:37:15 AM	0.062	11:41:41 AM	0.067	-0.005	
11:38:15 AM	0.060	11:42:41 AM	0.066	-0.006	
11:39:15 AM	0.058	11:43:41 AM	0.066	-0.008	
11:40:15 AM	0.058	11:44:41 AM	0.066	-0.008	
11:41:15 AM	0.059	11:45:41 AM	0.067	-0.008	
11:42:15 AM	0.058	11:46:41 AM	0.069	-0.011	
11:43:15 AM	0.057	11:47:41 AM	0.068	-0.011	
11:44:15 AM	0.057	11:48:41 AM	0.069	-0.012	
11:45:15 AM	0.058	11:49:41 AM	0.210	-0.152	
11:46:15 AM	0.060	11:50:41 AM	0.071	-0.011	
11:47:15 AM	0.060	11:51:41 AM	0.069	-0.009	
11:48:15 AM	0.059	11:52:41 AM	0.066	-0.007	
11:49:15 AM	0.059	11:53:41 AM	0.067	-0.008	
11:50:15 AM	0.059	11:54:41 AM	0.066	-0.007	
11:51:15 AM	0.059	11:55:41 AM	0.066	-0.007	
11:52:15 AM	0.060	11:56:41 AM	0.077	-0.017	
11:53:15 AM	0.059	11:57:41 AM	0.069	-0.010	
11:54:15 AM	0.059	11:58:41 AM	0.067	-0.008	
11:55:15 AM	0.058	11:59:41 AM	0.066	-0.008	
11:56:15 AM	0.059	12:00:41 PM	0.076	-0.017	
11:57:15 AM	0.059	12:01:41 PM	0.062	-0.003	
11:58:15 AM	0.066	12:02:41 PM	0.058	0.008	
11:59:15 AM	0.060	12:03:41 PM	0.057	0.003	
12:00:15 PM	0.055	12:04:41 PM	0.060	-0.005	
12:01:15 PM	0.054	12:05:41 PM	0.063	-0.009	
12:02:15 PM	0.053	12:06:41 PM	0.083	-0.030	
12:03:15 PM	0.051	12:07:41 PM	0.088	-0.037	
12:04:15 PM	0.051	12:08:41 PM	0.060	-0.009	
12:05:15 PM	0.051	12:09:41 PM	0.064	-0.013	
12:06:15 PM	0.052	12:10:41 PM	0.060	-0.008	

12:07:15 PM	0.053	12:11:41 PM	0.059	-0.006	
12:08:15 PM	0.054	12:12:41 PM	0.059	-0.005	
12:09:15 PM	0.053	12:13:41 PM	0.060	-0.007	
12:10:15 PM	0.053	12:14:41 PM	0.059	-0.006	
12:11:15 PM	0.053	12:15:41 PM	0.059	-0.006	
12:12:15 PM	0.053	12:16:41 PM	0.059	-0.006	
12:13:15 PM	0.052	12:17:41 PM	0.059	-0.007	
12:14:15 PM	0.052	12:18:41 PM	0.059	-0.007	
12:15:15 PM	0.052	12:19:41 PM	0.060	-0.008	
12:16:15 PM	0.052	12:20:41 PM	0.069	-0.017	
12:17:15 PM	0.052	12:21:41 PM	0.082	-0.030	
12:18:15 PM	0.053	12:22:41 PM	0.074	-0.021	
12:19:15 PM	0.053	12:23:41 PM	0.064	-0.011	
12:20:15 PM	0.054	12:24:41 PM	0.063	-0.009	
12:21:15 PM	0.054	12:25:41 PM	0.063	-0.009	
12:22:15 PM	0.056	12:26:41 PM	0.063	-0.007	
12:23:15 PM	0.055	12:27:41 PM	0.063	-0.008	
12:24:15 PM	0.054	12:28:41 PM	0.064	-0.010	
12:25:15 PM	0.059	12:29:41 PM	0.064	-0.005	
12:26:15 PM	0.057	12:30:41 PM	0.065	-0.008	
12:27:15 PM	0.058	12:31:41 PM	0.065	-0.007	
12:28:15 PM	0.057	12:32:41 PM	0.065	-0.008	
12:29:15 PM	0.057	12:33:41 PM	0.065	-0.008	
12:30:15 PM	0.057	12:34:41 PM	0.064	-0.007	
12:31:15 PM	0.057	12:35:41 PM	0.065	-0.008	
12:32:15 PM	0.057	12:36:41 PM	0.065	-0.008	
12:33:15 PM	0.057	12:37:41 PM	0.066	-0.009	
12:34:15 PM	0.057	12:38:41 PM	0.066	-0.009	
12:35:15 PM	0.057	12:39:41 PM	0.078	-0.021	
12:36:15 PM	0.058	12:40:41 PM	0.094	-0.036	
12:37:15 PM	0.058	12:41:41 PM	0.105	-0.047	
12:38:15 PM	0.057	12:42:41 PM	0.078	-0.021	
12:39:15 PM	0.058	12:43:41 PM	0.070	-0.012	
12:40:15 PM	0.059	12:44:41 PM	0.082	-0.023	
12:41:15 PM	0.059	12:45:41 PM	0.073	-0.014	
12:42:15 PM	0.058	12:46:41 PM	0.071	-0.013	
12:43:15 PM	0.061	12:47:41 PM	0.067	-0.006	
12:44:15 PM	0.060	12:48:41 PM	0.075	-0.015	
12:45:15 PM	0.060	12:49:41 PM	0.069	-0.009	
12:46:15 PM	0.059	12:50:41 PM	0.078	-0.019	
12:47:15 PM	0.059	12:51:41 PM	0.072	-0.013	
12:48:15 PM	0.058	12:52:41 PM	0.080	-0.022	
12:49:15 PM	0.061	12:53:41 PM	0.072	-0.011	
12:50:15 PM	0.060	12:54:41 PM	0.071	-0.011	
12:51:15 PM	0.063	12:55:41 PM	0.073	-0.010	
12:52:15 PM	0.064	12:56:41 PM	0.073	-0.009	
12:53:15 PM	0.064	12:57:41 PM	0.074	-0.010	
12:54:15 PM	0.063	12:58:41 PM	0.074	-0.011	
12:55:15 PM	0.063	12:59:41 PM	0.074	-0.011	
12:56:15 PM	0.065	1:00:41 PM	0.073	-0.008	
12:57:15 PM	0.064	1:01:41 PM	0.074	-0.010	
12:58:15 PM	0.065	1:02:41 PM	0.075	-0.010	
12:59:15 PM	0.066	1:03:41 PM	0.074	-0.008	
1:00:15 PM	0.067	1:04:41 PM	0.075	-0.008	
1:01:15 PM	0.066	1:05:41 PM	0.074	-0.008	
1:02:15 PM	0.066	1:06:41 PM	0.073	-0.007	
1:03:15 PM	0.066	1:07:41 PM	0.073	-0.007	
1:04:15 PM	0.070	1:08:41 PM	0.073	-0.003	
1:05:15 PM	0.067	1:09:41 PM	0.132	-0.065	

1:06:15 PM	0.065	1:10:41 PM	0.077	-0.012	
1:07:15 PM	0.066	1:11:41 PM	0.074	-0.008	
1:08:15 PM	0.065			0.065	
1:09:15 PM	0.067			0.067	
1:10:15 PM	0.082			0.082	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/26/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:26:11 AM	0.000	7:26:27 AM	0.100	-0.100	
8:27:11 AM	0.000	7:27:27 AM	0.100	-0.100	
8:28:11 AM	0.000	7:28:27 AM	0.100	-0.100	
8:29:11 AM	0.000	7:29:27 AM	0.200	-0.200	
8:30:11 AM	0.000	7:30:27 AM	0.200	-0.200	
8:31:11 AM	0.000	7:31:27 AM	0.200	-0.200	
8:32:11 AM	0.100	7:32:27 AM	0.300	-0.200	
8:33:11 AM	0.100	7:33:27 AM	0.300	-0.200	
8:34:11 AM	0.100	7:34:27 AM	0.300	-0.200	
8:35:11 AM	0.100	7:35:27 AM	0.300	-0.200	
8:36:11 AM	0.100	7:36:27 AM	0.400	-0.300	
8:37:11 AM	0.100	7:37:27 AM	0.400	-0.300	
8:38:11 AM	0.100	7:38:27 AM	0.400	-0.300	
8:39:11 AM	0.100	7:39:27 AM	0.400	-0.300	
8:40:11 AM	0.100	7:40:27 AM	0.400	-0.300	
8:41:11 AM	0.100	7:41:27 AM	0.400	-0.300	
8:42:11 AM	0.100	7:42:27 AM	0.400	-0.300	
8:43:11 AM	0.100	7:43:27 AM	0.400	-0.300	
8:44:11 AM	0.100	7:44:27 AM	0.400	-0.300	
8:45:11 AM	0.100	7:45:27 AM	0.500	-0.400	
8:46:11 AM	0.100	7:46:27 AM	0.500	-0.400	
8:47:11 AM	0.100	7:47:27 AM	0.500	-0.400	
8:48:11 AM	0.100	7:48:27 AM	0.500	-0.400	
8:49:11 AM	0.100	7:49:27 AM	0.500	-0.400	
8:50:11 AM	0.100	7:50:27 AM	0.500	-0.400	
8:51:11 AM	0.100	7:51:27 AM	0.500	-0.400	
8:52:11 AM	0.100	7:52:27 AM	0.500	-0.400	
8:53:11 AM	0.200	7:53:27 AM	0.500	-0.300	
8:54:11 AM	0.100	7:54:27 AM	0.500	-0.400	
8:55:11 AM	0.200	7:55:27 AM	0.500	-0.300	
8:56:11 AM	0.200	7:56:27 AM	0.500	-0.300	
8:57:11 AM	0.200	7:57:27 AM	0.500	-0.300	
8:58:11 AM	0.200	7:58:27 AM	0.500	-0.300	
8:59:11 AM	0.200	7:59:27 AM	0.500	-0.300	
9:00:11 AM	0.200	8:00:27 AM	0.500	-0.300	
9:01:11 AM	0.200	8:01:27 AM	0.500	-0.300	
9:02:11 AM	0.200	8:02:27 AM	0.500	-0.300	
9:03:11 AM	0.200	8:03:27 AM	0.500	-0.300	
9:04:11 AM	0.200	8:04:27 AM	0.500	-0.300	
9:05:11 AM	0.200	8:05:27 AM	0.500	-0.300	
9:06:11 AM	0.200	8:06:27 AM	0.500	-0.300	
9:07:11 AM	0.200	8:07:27 AM	0.500	-0.300	
9:08:11 AM	0.200	8:08:27 AM	0.500	-0.300	
9:09:11 AM	0.200	8:09:27 AM	0.500	-0.300	
9:10:11 AM	0.200	8:10:27 AM	0.500	-0.300	
9:11:11 AM	0.200	8:11:27 AM	0.500	-0.300	
9:12:11 AM	0.200	8:12:27 AM	0.500	-0.300	

9:13:11 AM	0.200	8:13:27 AM	0.500	-0.300	
9:14:11 AM	0.200	8:14:27 AM	0.500	-0.300	
9:15:11 AM	0.200	8:15:27 AM	0.500	-0.300	
9:16:11 AM	0.200	8:16:27 AM	0.500	-0.300	
9:17:11 AM	0.200	8:17:27 AM	0.500	-0.300	
9:18:11 AM	0.200	8:18:27 AM	0.500	-0.300	
9:19:11 AM	0.200	8:19:27 AM	0.600	-0.400	
9:20:11 AM	0.200	8:20:27 AM	0.600	-0.400	
9:21:11 AM	0.200	8:21:27 AM	0.600	-0.400	
9:22:11 AM	0.200	8:22:27 AM	0.600	-0.400	
9:23:11 AM	0.200	8:23:27 AM	0.600	-0.400	
9:24:11 AM	0.200	8:24:27 AM	0.600	-0.400	
9:25:11 AM	0.200	8:25:27 AM	0.600	-0.400	
9:26:11 AM	0.200	8:26:27 AM	0.600	-0.400	
9:27:11 AM	0.200	8:27:27 AM	0.600	-0.400	
9:28:11 AM	0.200	8:28:27 AM	0.600	-0.400	
9:29:11 AM	0.200	8:29:27 AM	0.600	-0.400	
9:30:11 AM	0.200	8:30:27 AM	0.600	-0.400	
9:31:11 AM	0.200	8:31:27 AM	0.600	-0.400	
9:32:11 AM	0.200	8:32:27 AM	0.600	-0.400	
9:33:11 AM	0.200	8:33:27 AM	0.600	-0.400	
9:34:11 AM	0.200	8:34:27 AM	0.600	-0.400	
9:35:11 AM	0.200	8:35:27 AM	0.600	-0.400	
9:36:11 AM	0.200	8:36:27 AM	0.600	-0.400	
9:37:11 AM	0.200	8:37:27 AM	0.600	-0.400	
9:38:11 AM	0.200	8:38:27 AM	0.600	-0.400	
9:39:11 AM	0.200	8:39:27 AM	0.600	-0.400	
9:40:11 AM	0.200	8:40:27 AM	0.600	-0.400	
9:41:11 AM	0.200	8:41:27 AM	0.600	-0.400	
9:42:11 AM	0.200	8:42:27 AM	0.600	-0.400	
9:43:11 AM	0.200	8:43:27 AM	0.600	-0.400	
9:44:11 AM	0.200	8:44:27 AM	0.600	-0.400	
9:45:11 AM	0.200	8:45:27 AM	0.600	-0.400	
9:46:11 AM	0.200	8:46:27 AM	0.600	-0.400	
9:47:11 AM	0.200	8:47:27 AM	0.600	-0.400	
9:48:11 AM	0.200	8:48:27 AM	0.600	-0.400	
9:49:11 AM	0.200	8:49:27 AM	0.600	-0.400	
9:50:11 AM	0.200	8:50:27 AM	0.600	-0.400	
9:51:11 AM	0.200	8:51:27 AM	0.600	-0.400	
9:52:11 AM	0.200	8:52:27 AM	0.600	-0.400	
9:53:11 AM	0.200	8:53:27 AM	0.600	-0.400	
9:54:11 AM	0.200	8:54:27 AM	0.600	-0.400	
9:55:11 AM	0.200	8:55:27 AM	0.600	-0.400	
9:56:11 AM	0.200	8:56:27 AM	0.600	-0.400	
9:57:11 AM	0.200	8:57:27 AM	0.600	-0.400	
9:58:11 AM	0.200	8:58:27 AM	0.600	-0.400	
9:59:11 AM	0.200	8:59:27 AM	0.600	-0.400	
10:00:11 AM	0.200	9:00:27 AM	0.600	-0.400	
10:01:11 AM	0.200	9:01:27 AM	0.600	-0.400	
10:02:11 AM	0.200	9:02:27 AM	0.600	-0.400	
10:03:11 AM	0.200	9:03:27 AM	0.600	-0.400	
10:04:11 AM	0.200	9:04:27 AM	0.600	-0.400	
10:05:11 AM	0.200	9:05:27 AM	0.600	-0.400	
10:06:11 AM	0.200	9:06:27 AM	0.600	-0.400	
10:07:11 AM	0.200	9:07:27 AM	0.600	-0.400	

10:08:11 AM	0.200	9:08:27 AM	0.600	-0.400	
10:09:11 AM	0.200	9:09:27 AM	0.600	-0.400	
10:10:11 AM	0.200	9:10:27 AM	0.600	-0.400	
10:11:11 AM	0.200	9:11:27 AM	0.600	-0.400	
10:12:11 AM	0.200	9:12:27 AM	0.700	-0.500	
10:13:11 AM	0.200	9:13:27 AM	0.700	-0.500	
10:14:11 AM	0.200	9:14:27 AM	0.700	-0.500	
10:15:11 AM	0.200	9:15:27 AM	0.700	-0.500	
10:16:11 AM	0.200	9:16:27 AM	0.700	-0.500	
10:17:11 AM	0.200	9:17:27 AM	0.700	-0.500	
10:18:11 AM	0.200	9:18:27 AM	0.700	-0.500	
10:19:11 AM	0.200	9:19:27 AM	0.700	-0.500	
10:20:11 AM	0.200	9:20:27 AM	0.700	-0.500	
10:21:11 AM	0.200	9:21:27 AM	0.700	-0.500	
10:22:11 AM	0.200	9:22:27 AM	0.700	-0.500	
10:23:11 AM	0.300	9:23:27 AM	0.700	-0.400	
10:24:11 AM	0.300	9:24:27 AM	0.700	-0.400	
10:25:11 AM	0.300	9:25:27 AM	0.700	-0.400	
10:26:11 AM	0.300	9:26:27 AM	0.700	-0.400	
10:27:11 AM	0.300	9:27:27 AM	0.700	-0.400	
10:28:11 AM	0.300	9:28:27 AM	0.700	-0.400	
10:29:11 AM	0.300	9:29:27 AM	0.700	-0.400	
10:30:11 AM	0.300	9:30:27 AM	0.700	-0.400	
10:31:11 AM	0.300	9:31:27 AM	0.700	-0.400	
10:32:11 AM	0.300	9:32:27 AM	0.700	-0.400	
10:33:11 AM	0.300	9:33:27 AM	0.700	-0.400	
10:34:11 AM	0.300	9:34:27 AM	0.700	-0.400	
10:35:11 AM	0.300	9:35:27 AM	0.700	-0.400	
10:36:11 AM	0.300	9:36:27 AM	0.700	-0.400	
10:37:11 AM	0.300	9:37:27 AM	0.700	-0.400	
10:38:11 AM	0.300	9:38:27 AM	0.700	-0.400	
10:39:11 AM	0.300	9:39:27 AM	0.700	-0.400	
10:40:11 AM	0.300	9:40:27 AM	0.700	-0.400	
10:41:11 AM	0.300	9:41:27 AM	0.700	-0.400	
10:42:11 AM	0.300	9:42:27 AM	0.700	-0.400	
10:43:11 AM	0.300	9:43:27 AM	0.700	-0.400	
10:44:11 AM	0.300	9:44:27 AM	0.700	-0.400	
10:45:11 AM	0.300	9:45:27 AM	0.700	-0.400	
10:46:11 AM	0.300	9:46:27 AM	0.700	-0.400	
10:47:11 AM	0.300	9:47:27 AM	0.700	-0.400	
10:48:11 AM	0.300	9:48:27 AM	0.700	-0.400	
10:49:11 AM	0.300	9:49:27 AM	0.700	-0.400	
10:50:11 AM	0.300	9:50:27 AM	0.700	-0.400	
10:51:11 AM	0.300	9:51:27 AM	0.700	-0.400	
10:52:11 AM	0.300	9:52:27 AM	0.700	-0.400	
10:53:11 AM	0.300	9:53:27 AM	0.700	-0.400	
10:54:11 AM	0.300	9:54:27 AM	0.700	-0.400	
10:55:11 AM	0.300	9:55:27 AM	0.700	-0.400	
10:56:11 AM	0.300	9:56:27 AM	0.700	-0.400	
10:57:11 AM	0.300	9:57:27 AM	0.700	-0.400	
10:58:11 AM	0.300	9:58:27 AM	0.700	-0.400	
10:59:11 AM	0.300	9:59:27 AM	0.700	-0.400	
11:00:11 AM	0.300	10:00:27 AM	0.700	-0.400	
11:01:11 AM	0.300	10:01:27 AM	0.700	-0.400	
11:02:11 AM	0.300	10:02:27 AM	0.700	-0.400	

11:03:11 AM	0.300	10:03:27 AM	0.800	-0.500	
11:04:11 AM	0.300	10:04:27 AM	0.700	-0.400	
11:05:11 AM	0.300	10:05:27 AM	0.800	-0.500	
11:06:11 AM	0.300	10:06:27 AM	0.800	-0.500	
11:07:11 AM	0.300	10:07:27 AM	0.800	-0.500	
11:08:11 AM	0.300	10:08:27 AM	0.700	-0.400	
11:09:11 AM	0.300	10:09:27 AM	0.700	-0.400	
11:10:11 AM	0.300	10:10:27 AM	0.700	-0.400	
11:11:11 AM	0.300	10:11:27 AM	0.800	-0.500	
11:12:11 AM	0.300	10:12:27 AM	0.800	-0.500	
11:13:11 AM	0.300	10:13:27 AM	0.800	-0.500	
11:14:11 AM	0.300	10:14:27 AM	0.700	-0.400	
11:15:11 AM	0.300	10:15:27 AM	0.800	-0.500	
11:16:11 AM	0.300	10:16:27 AM	0.800	-0.500	
11:17:11 AM	0.300	10:17:27 AM	0.800	-0.500	
11:18:11 AM	0.300	10:18:27 AM	0.800	-0.500	
11:19:11 AM	0.300	10:19:27 AM	0.800	-0.500	
11:20:11 AM	0.300	10:20:27 AM	0.800	-0.500	
11:21:11 AM	0.300	10:21:27 AM	0.800	-0.500	
11:22:11 AM	0.300	10:22:27 AM	0.800	-0.500	
11:23:11 AM	0.300	10:23:27 AM	0.800	-0.500	
11:24:11 AM	0.300	10:24:27 AM	0.800	-0.500	
11:25:11 AM	0.300	10:25:27 AM	0.800	-0.500	
11:26:11 AM	0.300	10:26:27 AM	0.800	-0.500	
11:27:11 AM	0.300	10:27:27 AM	0.800	-0.500	
11:28:11 AM	0.300	10:28:27 AM	0.800	-0.500	
11:29:11 AM	0.300	10:29:27 AM	0.700	-0.400	
11:30:11 AM	0.300	10:30:27 AM	0.800	-0.500	
11:31:11 AM	0.300	10:31:27 AM	0.800	-0.500	
11:32:11 AM	0.300	10:32:27 AM	0.700	-0.400	
11:33:11 AM	0.300	10:33:27 AM	0.800	-0.500	
11:34:11 AM	0.300	10:34:27 AM	0.800	-0.500	
11:35:11 AM	0.300	10:35:27 AM	0.800	-0.500	
11:36:11 AM	0.300	10:36:27 AM	0.800	-0.500	
11:37:11 AM	0.300	10:37:27 AM	0.800	-0.500	
11:38:11 AM	0.300	10:38:27 AM	0.800	-0.500	
11:39:11 AM	0.300	10:39:27 AM	0.800	-0.500	
11:40:11 AM	0.300	10:40:27 AM	0.800	-0.500	
11:41:11 AM	0.300	10:41:27 AM	0.800	-0.500	
11:42:11 AM	0.300	10:42:27 AM	0.800	-0.500	
11:43:11 AM	0.300	10:43:27 AM	0.800	-0.500	
11:44:11 AM	0.300	10:44:27 AM	0.800	-0.500	
11:45:11 AM	0.300	10:45:27 AM	0.800	-0.500	
11:46:11 AM	0.300	10:46:27 AM	0.800	-0.500	
11:47:11 AM	0.300	10:47:27 AM	0.800	-0.500	
11:48:11 AM	0.300	10:48:27 AM	0.800	-0.500	
11:49:11 AM	0.300	10:49:27 AM	0.800	-0.500	
11:50:11 AM	0.300	10:50:27 AM	0.800	-0.500	
11:51:11 AM	0.300	10:51:27 AM	0.800	-0.500	
11:52:11 AM	0.300	10:52:27 AM	0.800	-0.500	
11:53:11 AM	0.300	10:53:27 AM	0.800	-0.500	
11:54:11 AM	0.300	10:54:27 AM	0.800	-0.500	
11:55:11 AM	0.300	10:55:27 AM	0.800	-0.500	
11:56:11 AM	0.300	10:56:27 AM	0.800	-0.500	
11:57:11 AM	0.300	10:57:27 AM	0.800	-0.500	

11:58:11 AM	0.300	10:58:27 AM	0.800	-0.500	
11:59:11 AM	0.300	10:59:27 AM	0.800	-0.500	
12:00:11 PM	0.300	11:00:27 AM	0.800	-0.500	
12:01:11 PM	0.300	11:01:27 AM	0.800	-0.500	
12:02:11 PM	0.300	11:02:27 AM	0.800	-0.500	
12:03:11 PM	0.300	11:03:27 AM	0.800	-0.500	
12:04:11 PM	0.300	11:04:27 AM	0.800	-0.500	
12:05:11 PM	0.300	11:05:27 AM	0.800	-0.500	
12:06:11 PM	0.300	11:06:27 AM	0.800	-0.500	
12:07:11 PM	0.300	11:07:27 AM	0.800	-0.500	
12:08:11 PM	0.300	11:08:27 AM	0.800	-0.500	
12:09:11 PM	0.300	11:09:27 AM	0.800	-0.500	
12:10:11 PM	0.300	11:10:27 AM	0.800	-0.500	
12:11:11 PM	0.300	11:11:27 AM	0.800	-0.500	
12:12:11 PM	0.300	11:12:27 AM	0.800	-0.500	
12:13:11 PM	0.300	11:13:27 AM	0.800	-0.500	
12:14:11 PM	0.300	11:14:27 AM	0.800	-0.500	
12:15:11 PM	0.300	11:15:27 AM	0.700	-0.400	
12:16:11 PM	0.300	11:16:27 AM	0.700	-0.400	
12:17:11 PM	0.300	11:17:27 AM	0.700	-0.400	
12:18:11 PM	0.300	11:18:27 AM	0.700	-0.400	
12:19:11 PM	0.300	11:19:27 AM	0.700	-0.400	
12:20:11 PM	0.300	11:20:27 AM	0.700	-0.400	
12:21:11 PM	0.300	11:21:27 AM	0.800	-0.500	
12:22:11 PM	0.300	11:22:27 AM	0.800	-0.500	
12:23:11 PM	0.300	11:23:27 AM	0.800	-0.500	
12:24:11 PM	0.300	11:24:27 AM	0.800	-0.500	
12:25:11 PM	0.300	11:25:27 AM	0.800	-0.500	
12:26:11 PM	0.300	11:26:27 AM	0.800	-0.500	
12:27:11 PM	0.300	11:27:27 AM	0.800	-0.500	
12:28:11 PM	0.300	11:28:27 AM	0.800	-0.500	
12:29:11 PM	0.300	11:29:27 AM	0.800	-0.500	
12:30:11 PM	0.300	11:30:27 AM	0.800	-0.500	
12:31:11 PM	0.300	11:31:27 AM	0.800	-0.500	
12:32:11 PM	0.300	11:32:27 AM	0.800	-0.500	
12:33:11 PM	0.300	11:33:27 AM	0.800	-0.500	
12:34:11 PM	0.300	11:34:27 AM	0.800	-0.500	
12:35:11 PM	0.300	11:35:27 AM	0.800	-0.500	
12:36:11 PM	0.300	11:36:27 AM	0.800	-0.500	
12:37:11 PM	0.300	11:37:27 AM	0.800	-0.500	
12:38:11 PM	0.300	11:38:27 AM	0.800	-0.500	
12:39:11 PM	0.300	11:39:27 AM	0.800	-0.500	
12:40:11 PM	0.300	11:40:27 AM	0.800	-0.500	
12:41:11 PM	0.300	11:41:27 AM	0.700	-0.400	
12:42:11 PM	0.300	11:42:27 AM	0.700	-0.400	
12:43:11 PM	0.300	11:43:27 AM	0.800	-0.500	
12:44:11 PM	0.300	11:44:27 AM	0.800	-0.500	
12:45:11 PM	0.300	11:45:27 AM	0.800	-0.500	
12:46:11 PM	0.300	11:46:27 AM	0.800	-0.500	
12:47:11 PM	0.300	11:47:27 AM	0.800	-0.500	
12:48:11 PM	0.300	11:48:27 AM	0.800	-0.500	
12:49:11 PM	0.300	11:49:27 AM	0.800	-0.500	
12:50:11 PM	0.300	11:50:27 AM	0.800	-0.500	
12:51:11 PM	0.300	11:51:27 AM	0.800	-0.500	
12:52:11 PM	0.300	11:52:27 AM	0.800	-0.500	

12:53:11 PM	0.300	11:53:27 AM	0.800	-0.500	
12:54:11 PM	0.300	11:54:27 AM	0.800	-0.500	
12:55:11 PM	0.300	11:55:27 AM	0.800	-0.500	
12:56:11 PM	0.300	11:56:27 AM	0.800	-0.500	
12:57:11 PM	0.300	11:57:27 AM	0.800	-0.500	
12:58:11 PM	0.300	11:58:27 AM	0.800	-0.500	
12:59:11 PM	0.300	11:59:27 AM	0.800	-0.500	
1:00:11 PM	0.300	12:00:27 PM	0.800	-0.500	
1:01:11 PM	0.300	12:01:27 PM	0.800	-0.500	
1:02:11 PM	0.300	12:02:27 PM	0.800	-0.500	
1:03:11 PM	0.300	12:03:27 PM	0.800	-0.500	
1:04:11 PM	0.300	12:04:27 PM	0.800	-0.500	
1:05:11 PM	0.300	12:05:27 PM	0.800	-0.500	
1:06:11 PM	0.300	12:06:27 PM	0.800	-0.500	
1:07:11 PM	0.300	12:07:27 PM	0.800	-0.500	
1:08:11 PM	0.300	12:08:27 PM	0.800	-0.500	
1:09:11 PM	0.300	12:09:27 PM	0.800	-0.500	
1:10:11 PM	0.300	12:10:27 PM	0.900	-0.600	
1:11:11 PM	0.300	12:11:27 PM	0.900	-0.600	
1:12:11 PM	0.300	12:12:27 PM	0.800	-0.500	
1:13:11 PM	0.300	12:13:27 PM	0.800	-0.500	
1:14:11 PM	0.300	12:14:27 PM	0.800	-0.500	
1:15:11 PM	0.300	12:15:27 PM	0.800	-0.500	
1:16:11 PM	0.300	12:16:27 PM	0.800	-0.500	
1:17:11 PM	0.300	12:17:27 PM	0.800	-0.500	
1:18:11 PM	0.300	12:18:27 PM	0.800	-0.500	
1:19:11 PM	0.300	12:19:27 PM	0.800	-0.500	
1:20:11 PM	0.300	12:20:27 PM	0.800	-0.500	
1:21:11 PM	0.300	12:21:27 PM	0.800	-0.500	
1:22:11 PM	0.300	12:22:27 PM	0.800	-0.500	
1:23:11 PM	0.300	12:23:27 PM	0.800	-0.500	
1:24:11 PM	0.300	12:24:27 PM	0.800	-0.500	
1:25:11 PM	0.300	12:25:27 PM	0.800	-0.500	
1:26:11 PM	0.300	12:26:27 PM	0.700	-0.400	
1:27:11 PM	0.300	12:27:27 PM	0.700	-0.400	
1:28:11 PM	0.300	12:28:27 PM	0.700	-0.400	
1:29:11 PM	0.300	12:29:27 PM	0.700	-0.400	
1:30:11 PM	0.300	12:30:27 PM	0.700	-0.400	
1:31:11 PM	0.300	12:31:27 PM	0.700	-0.400	
1:32:11 PM	0.300	12:32:27 PM	0.800	-0.500	
1:33:11 PM	0.300	12:33:27 PM	0.800	-0.500	
1:34:11 PM	0.300	12:34:27 PM	0.800	-0.500	
1:35:11 PM	0.300	12:35:27 PM	0.800	-0.500	
1:36:11 PM	0.300	12:36:27 PM	0.800	-0.500	
1:37:11 PM	0.300	12:37:27 PM	0.800	-0.500	
1:38:11 PM	0.300	12:38:27 PM	0.800	-0.500	
1:39:11 PM	0.300	12:39:27 PM	0.800	-0.500	
1:40:11 PM	0.300	12:40:27 PM	0.800	-0.500	
1:41:11 PM	0.300	12:41:27 PM	0.800	-0.500	
1:42:11 PM	0.300	12:42:27 PM	0.800	-0.500	
1:43:11 PM	0.300	12:43:27 PM	0.800	-0.500	
1:44:11 PM	0.300	12:44:27 PM	0.800	-0.500	
1:45:11 PM	0.300	12:45:27 PM	0.800	-0.500	
1:46:11 PM	0.300	12:46:27 PM	0.800	-0.500	
1:47:11 PM	0.300	12:47:27 PM	0.800	-0.500	

1:48:11 PM	0.300	12:48:27 PM	0.800	-0.500	
1:49:11 PM	0.300	12:49:27 PM	0.800	-0.500	
1:50:11 PM	0.300	12:50:27 PM	0.800	-0.500	
1:51:11 PM	0.300	12:51:27 PM	0.800	-0.500	
1:52:11 PM	0.300	12:52:27 PM	0.800	-0.500	
1:53:11 PM	0.300	12:53:27 PM	0.800	-0.500	
1:54:11 PM	0.300	12:54:27 PM	0.800	-0.500	
1:55:11 PM	0.300	12:55:27 PM	0.800	-0.500	
1:56:11 PM	0.300	12:56:27 PM	0.800	-0.500	
1:57:11 PM	0.300	12:57:27 PM	0.800	-0.500	
1:58:11 PM	0.300	12:58:27 PM	0.800	-0.500	
1:59:11 PM	0.300	12:59:27 PM	0.800	-0.500	
2:00:11 PM	0.300	1:00:27 PM	0.800	-0.500	
2:01:11 PM	0.300	1:01:27 PM	0.800	-0.500	
2:02:11 PM	0.300	1:02:27 PM	0.800	-0.500	
2:03:11 PM	0.300	1:03:27 PM	0.800	-0.500	
2:04:11 PM	0.300	1:04:27 PM	0.800	-0.500	
2:05:11 PM	0.300	1:05:27 PM	0.800	-0.500	
2:06:11 PM	0.300	1:06:27 PM	0.800	-0.500	
2:07:11 PM	0.300	1:07:27 PM	0.800	-0.500	
2:08:11 PM	0.300	1:08:27 PM	0.800	-0.500	
2:09:11 PM	0.300	1:09:27 PM	0.800	-0.500	
2:10:11 PM	0.300	1:10:27 PM	0.800	-0.500	
2:11:11 PM	0.300	1:11:27 PM	0.800	-0.500	
2:12:11 PM	0.300	1:12:27 PM	0.800	-0.500	
2:13:11 PM	0.300	1:13:27 PM	0.800	-0.500	
2:14:11 PM	0.300	1:14:27 PM	0.800	-0.500	
2:15:11 PM	0.300	1:15:27 PM	0.800	-0.500	
2:16:11 PM	0.300			0.300	
2:17:11 PM	0.300			0.300	
2:18:11 PM	0.300			0.300	
2:19:11 PM	0.300			0.300	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 7:26am - 1:15 pm

TrakPro Version 4.70 ASCII Data File DustTrak Data

Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive

Project Number 23-298-0278

Location 1223 FDR Drive, New York, NY 10009

Date: 12/27/2023

Upwind Station		Downwind Station		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
7:26:48 AM	0.091	7:22:31 AM	0.264	-0.173	vehicle idling by
7:27:48 AM	0.096	7:23:31 AM	0.066	0.030	station; moved
7:28:48 AM	0.096	7:24:31 AM	0.066	0.030	
7:29:48 AM	0.096	7:25:31 AM	0.066	0.030	
7:30:48 AM	0.095	7:26:31 AM	0.067	0.028	
7:31:48 AM	0.096	7:27:31 AM	0.067	0.029	
7:32:48 AM	0.097	7:28:31 AM	0.068	0.029	
7:33:48 AM	0.099	7:29:31 AM	0.071	0.028	
7:34:48 AM	0.099	7:30:31 AM	0.070	0.029	
7:35:48 AM	0.098	7:31:31 AM	0.070	0.028	
7:36:48 AM	0.096	7:32:31 AM	0.072	0.024	
7:37:48 AM	0.095	7:33:31 AM	0.074	0.021	
7:38:48 AM	0.098	7:34:31 AM	0.073	0.025	
7:39:48 AM	0.098	7:35:31 AM	0.074	0.024	
7:40:48 AM	0.097	7:36:31 AM	0.074	0.023	
7:41:48 AM	0.097	7:37:31 AM	0.072	0.025	
7:42:48 AM	0.095	7:38:31 AM	0.071	0.024	
7:43:48 AM	0.094	7:39:31 AM	0.073	0.021	
7:44:48 AM	0.094	7:40:31 AM	0.074	0.020	
7:45:48 AM	0.094	7:41:31 AM	0.072	0.022	
7:46:48 AM	0.094	7:42:31 AM	0.070	0.024	
7:47:48 AM	0.098	7:43:31 AM	0.069	0.029	
7:48:48 AM	0.096	7:44:31 AM	0.069	0.027	
7:49:48 AM	0.095	7:45:31 AM	0.069	0.026	
7:50:48 AM	0.094	7:46:31 AM	0.070	0.024	
7:51:48 AM	0.094	7:47:31 AM	0.070	0.024	
7:52:48 AM	0.093	7:48:31 AM	0.074	0.019	
7:53:48 AM	0.092	7:49:31 AM	0.072	0.020	
7:54:48 AM	0.093	7:50:31 AM	0.070	0.023	
7:55:48 AM	0.093	7:51:31 AM	0.070	0.023	
7:56:48 AM	0.093	7:52:31 AM	0.069	0.024	
7:57:48 AM	0.090	7:53:31 AM	0.068	0.022	
7:58:48 AM	0.090	7:54:31 AM	0.068	0.022	
7:59:48 AM	0.090	7:55:31 AM	0.069	0.021	
8:00:48 AM	0.092	7:56:31 AM	0.068	0.024	
8:01:48 AM	0.091	7:57:31 AM	0.067	0.024	
8:02:48 AM	0.090	7:58:31 AM	0.065	0.025	
8:03:48 AM	0.088	7:59:31 AM	0.064	0.024	
8:04:48 AM	0.090	8:00:31 AM	0.063	0.027	
8:05:48 AM	0.090	8:01:31 AM	0.065	0.025	
8:06:48 AM	0.088	8:02:31 AM	0.068	0.020	
8:07:48 AM	0.087	8:03:31 AM	0.065	0.022	
8:08:48 AM	0.087	8:04:31 AM	0.061	0.026	

8:09:48 AM	0.086	8:05:31 AM	0.065	0.021	
8:10:48 AM	0.084	8:06:31 AM	0.063	0.021	
8:11:48 AM	0.085	8:07:31 AM	0.067	0.018	
8:12:48 AM	0.086	8:08:31 AM	0.064	0.022	
8:13:48 AM	0.083	8:09:31 AM	0.065	0.018	
8:14:48 AM	0.082	8:10:31 AM	0.063	0.019	
8:15:48 AM	0.080	8:11:31 AM	0.063	0.017	
8:16:48 AM	0.082	8:12:31 AM	0.077	0.005	
8:17:48 AM	0.082	8:13:31 AM	0.061	0.021	
8:18:48 AM	0.081	8:14:31 AM	0.059	0.022	
8:19:48 AM	0.077	8:15:31 AM	0.056	0.021	
8:20:48 AM	0.080	8:16:31 AM	0.055	0.025	
8:21:48 AM	0.078	8:17:31 AM	0.057	0.021	
8:22:48 AM	0.071	8:18:31 AM	0.058	0.013	
8:23:48 AM	0.069	8:19:31 AM	0.060	0.009	
8:24:48 AM	0.069	8:20:31 AM	0.054	0.015	
8:25:48 AM	0.066	8:21:31 AM	0.052	0.014	
8:26:48 AM	0.068	8:22:31 AM	0.052	0.016	
8:27:48 AM	0.070	8:23:31 AM	0.046	0.024	
8:28:48 AM	0.076	8:24:31 AM	0.044	0.032	
8:29:48 AM	0.074	8:25:31 AM	0.044	0.030	
8:30:48 AM	0.076	8:26:31 AM	0.041	0.035	
8:31:48 AM	0.077	8:27:31 AM	0.043	0.034	
8:32:48 AM	0.077	8:28:31 AM	0.044	0.033	
8:33:48 AM	0.079	8:29:31 AM	0.046	0.033	
8:34:48 AM	0.080	8:30:31 AM	0.048	0.032	
8:35:48 AM	0.081	8:31:31 AM	0.050	0.031	
8:36:48 AM	0.082	8:32:31 AM	0.051	0.031	
8:37:48 AM	0.082	8:33:31 AM	0.052	0.030	
8:38:48 AM	0.081	8:34:31 AM	0.054	0.027	
8:39:48 AM	0.082	8:35:31 AM	0.055	0.027	
8:40:48 AM	0.083	8:36:31 AM	0.056	0.027	
8:41:48 AM	0.086	8:37:31 AM	0.057	0.029	
8:42:48 AM	0.084	8:38:31 AM	0.057	0.027	
8:43:48 AM	0.085	8:39:31 AM	0.057	0.028	
8:44:48 AM	0.086	8:40:31 AM	0.057	0.029	
8:45:48 AM	0.083	8:41:31 AM	0.059	0.024	
8:46:48 AM	0.085	8:42:31 AM	0.061	0.024	
8:47:48 AM	0.087	8:43:31 AM	0.062	0.025	
8:48:48 AM	0.090	8:44:31 AM	0.061	0.029	
		8:45:31 AM	0.061	-0.061	
		8:46:31 AM	0.066	-0.066	
		8:47:31 AM	0.062	-0.062	
		8:48:31 AM	0.064	-0.064	
		8:49:31 AM	0.064	-0.064	
		8:50:31 AM	0.062	-0.062	

MiniRAE 3000(PGM-7320) PID Data
Project Name NYCHA Riis Houses, Building 4 @ 1225 FDR Drive
Project Number 23-298-0278
Location 1223 FDR Drive, New York, NY 10009
Date: 12/27/2023

Upwind Station PID		Downwind Station PID		15-min Corrected Average (Upwind-Downwind)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:26:11 AM	0.000	7:24:20 AM	0.100	-0.100	
8:27:11 AM	0.000	7:25:20 AM	0.100	-0.100	
8:28:11 AM	0.000	7:26:20 AM	0.100	-0.100	
8:29:11 AM	0.000	7:27:20 AM	0.100	-0.100	
8:30:11 AM	0.000	7:28:20 AM	0.200	-0.200	
8:31:11 AM	0.000	7:29:20 AM	0.200	-0.200	
8:32:11 AM	0.100	7:30:20 AM	0.200	-0.100	
8:33:11 AM	0.100	7:31:20 AM	0.200	-0.100	
8:34:11 AM	0.100	7:32:20 AM	0.200	-0.100	
8:35:11 AM	0.100	7:33:20 AM	0.300	-0.200	
8:36:11 AM	0.100	7:34:20 AM	0.300	-0.200	
8:37:11 AM	0.100	7:35:20 AM	0.300	-0.200	
8:38:11 AM	0.100	7:36:20 AM	0.300	-0.200	
8:39:11 AM	0.100	7:37:20 AM	0.300	-0.200	
8:40:11 AM	0.100	7:38:20 AM	0.300	-0.200	
8:41:11 AM	0.100	7:39:20 AM	0.300	-0.200	
8:42:11 AM	0.100	7:40:20 AM	0.300	-0.200	
8:43:11 AM	0.100	7:41:20 AM	0.300	-0.200	
8:44:11 AM	0.100	7:42:20 AM	0.300	-0.200	
8:45:11 AM	0.100	7:43:20 AM	0.300	-0.200	
8:46:11 AM	0.100	7:44:20 AM	0.300	-0.200	
8:47:11 AM	0.100	7:45:20 AM	0.300	-0.200	
8:48:11 AM	0.100	7:46:20 AM	0.300	-0.200	
8:49:11 AM	0.100	7:47:20 AM	0.300	-0.200	
8:50:11 AM	0.100	7:48:20 AM	0.300	-0.200	
8:51:11 AM	0.100	7:49:20 AM	0.300	-0.200	
8:52:11 AM	0.100	7:50:20 AM	0.300	-0.200	
8:53:11 AM	0.200	7:51:20 AM	0.300	-0.100	
8:54:11 AM	0.100	7:52:20 AM	0.300	-0.200	
8:55:11 AM	0.200	7:53:20 AM	0.300	-0.100	
8:56:11 AM	0.200	7:54:20 AM	0.300	-0.100	
8:57:11 AM	0.200	7:55:20 AM	0.300	-0.100	
8:58:11 AM	0.200	7:56:20 AM	0.300	-0.100	
8:59:11 AM	0.200	7:57:20 AM	0.400	-0.200	
9:00:11 AM	0.200	7:58:20 AM	0.400	-0.200	
9:01:11 AM	0.200	7:59:20 AM	0.400	-0.200	
9:02:11 AM	0.200	8:00:20 AM	0.400	-0.200	
9:03:11 AM	0.200	8:01:20 AM	0.400	-0.200	
9:04:11 AM	0.200	8:02:20 AM	0.400	-0.200	
9:05:11 AM	0.200	8:03:20 AM	0.400	-0.200	
9:06:11 AM	0.200	8:04:20 AM	0.400	-0.200	
9:07:11 AM	0.200	8:05:20 AM	0.400	-0.200	
9:08:11 AM	0.200	8:06:20 AM	0.400	-0.200	
9:09:11 AM	0.200	8:07:20 AM	0.400	-0.200	
9:10:11 AM	0.200	8:08:20 AM	0.400	-0.200	

9:11:11 AM	0.200	8:09:20 AM	0.400	-0.200	
9:12:11 AM	0.200	8:10:20 AM	0.400	-0.200	
9:13:11 AM	0.200	8:11:20 AM	0.400	-0.200	
9:14:11 AM	0.200	8:12:20 AM	0.400	-0.200	
9:15:11 AM	0.200	8:13:20 AM	0.400	-0.200	
9:16:11 AM	0.200	8:14:20 AM	0.400	-0.200	
9:17:11 AM	0.200	8:15:20 AM	0.400	-0.200	
9:18:11 AM	0.200	8:16:20 AM	0.400	-0.200	
9:19:11 AM	0.200	8:17:20 AM	0.400	-0.200	
9:20:11 AM	0.200	8:18:20 AM	0.400	-0.200	
9:21:11 AM	0.200	8:19:20 AM	0.400	-0.200	
9:22:11 AM	0.200	8:20:20 AM	0.400	-0.200	
9:23:11 AM	0.200	8:21:20 AM	0.400	-0.200	
9:24:11 AM	0.200	8:22:20 AM	0.400	-0.200	
9:25:11 AM	0.200	8:23:20 AM	0.400	-0.200	
9:26:11 AM	0.200	8:24:20 AM	0.400	-0.200	
9:27:11 AM	0.200	8:25:20 AM	0.400	-0.200	
9:28:11 AM	0.200	8:26:20 AM	0.400	-0.200	
9:29:11 AM	0.200	8:27:20 AM	0.400	-0.200	
9:30:11 AM	0.200	8:28:20 AM	0.400	-0.200	
9:31:11 AM	0.200	8:29:20 AM	0.400	-0.200	
9:32:11 AM	0.200	8:30:20 AM	0.400	-0.200	
9:33:11 AM	0.200	8:31:20 AM	0.400	-0.200	
9:34:11 AM	0.200	8:32:20 AM	0.400	-0.200	
9:35:11 AM	0.200	8:33:20 AM	0.400	-0.200	
9:36:11 AM	0.200	8:34:20 AM	0.400	-0.200	
9:37:11 AM	0.200	8:35:20 AM	0.400	-0.200	
9:38:11 AM	0.200	8:36:20 AM	0.400	-0.200	
9:39:11 AM	0.200	8:37:20 AM	0.400	-0.200	
9:40:11 AM	0.200	8:38:20 AM	0.400	-0.200	
9:41:11 AM	0.200	8:39:20 AM	0.400	-0.200	
9:42:11 AM	0.200	8:40:20 AM	0.400	-0.200	
9:43:11 AM	0.200	8:41:20 AM	0.400	-0.200	
9:44:11 AM	0.200	8:42:20 AM	0.400	-0.200	
9:45:11 AM	0.200	8:43:20 AM	0.400	-0.200	
9:46:11 AM	0.200	8:44:20 AM	0.400	-0.200	
9:47:11 AM	0.200	8:45:20 AM	0.400	-0.200	
9:48:11 AM	0.200	8:46:20 AM	0.400	-0.200	
9:49:11 AM	0.200	8:47:20 AM	0.400	-0.200	
9:50:11 AM	0.200	8:48:20 AM	0.400	-0.200	
9:51:11 AM	0.200	8:49:20 AM	0.400	-0.200	
9:52:11 AM	0.200	8:50:20 AM	0.400	-0.200	
9:53:11 AM	0.200	8:51:20 AM	0.400	-0.200	
9:54:11 AM	0.200	8:52:20 AM	0.400	-0.200	
9:55:11 AM	0.200	8:53:20 AM	0.400	-0.200	
9:56:11 AM	0.200	8:54:20 AM	0.400	-0.200	

Note
Upwind PID station's time was not corrected for daylight savings time.
Both PID stations were operational and logging at same time from 7:24am - 8:54 am