

**DAILY FIELD REPORT 268**

Prepared By: LANGAN

<b>WEATHER</b>	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
<b>TEMP.</b>	< 32		32-50		50-70	X	70-85	X	>85	X

<b>BCP Project No:</b>	C231153	<b>Date:</b>	August 16, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 3:15 pm
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**Consultant:** Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

**Langan Field Personnel:**  
Pepper Greenley (Environmental)

**Construction Manager:** Consigli Construction Co., Inc. (Consigli)

**Foundation Contractor:** Urban Foundation/Engineering (Urban)

**Plumbing Contractor:** Neptune Mechanics

**Work Activities Performed:**

- Urban removed concrete from an about 3-foot-long by 2-foot-wide area in the southeastern corner of the site for the installation of utilities. Construction and debris (C&D) was stockpiled in an existing stockpile in the southern part of the site.
- Urban backfilled an about 30-foot-long by 5-foot-wide area to about 1.5 feet below grade surface (bgs) along the eastern wall of the site in preparation for a concrete pour. Backfilled material consisted of clean sand previously imported from the North American Aggregate Mining Operations.
- Urban poured concrete along the northeastern and eastern wall of the site.
- Urban installed waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the northwestern part of the site. Waterproofing/vapor barrier membrane installation observation and documentation is to verify general conformance with specifications and contract documents.

**Material Tracking:**

- The following soil/fill was exported from the site:
  - 1 load of soil/fill from waste characterization grid WC05\_0-5 was exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
<b>Facility Name</b>	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
<b>Location</b>	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
<b>Type of Waste</b>	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&amp;D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	0	-	1	20	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	139	2,780	338	6,760	0	-	17	340

Materials Export Summary		
<b>Facility Name</b>	<i>Dale Transfer Corp.</i>	
<b>Location</b>	<i>West Babylon, NY</i>	
<b>Type of Waste</b>	<i>Concrete</i>	
Today	Number of Loads	Approx. Volume (CY)
	0	-
Total	Number of Loads	Approx. Volume (CY)
	2	40

Materials Import Summary								
<b>Facility Name</b>	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>Tilcon Clinton Point Quarry / Pier J – Brooklyn Navy Yard</i>		<i>Stavola Bound Brook / North Shore Terminal</i>		<i>North American Aggregate Mining Operations</i>	
<b>Location</b>	<i>Staten Island, NY</i>		<i>Brooklyn, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
<b>Type of Material</b>	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>		<i>Pipe Sand Backfill</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	0	-	0	-	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	8	157	0	-	3	60	32	544
Approved Quantity	-	500	-	500	-	200	-	600

**Samples Collected:**

- No samples were collected.

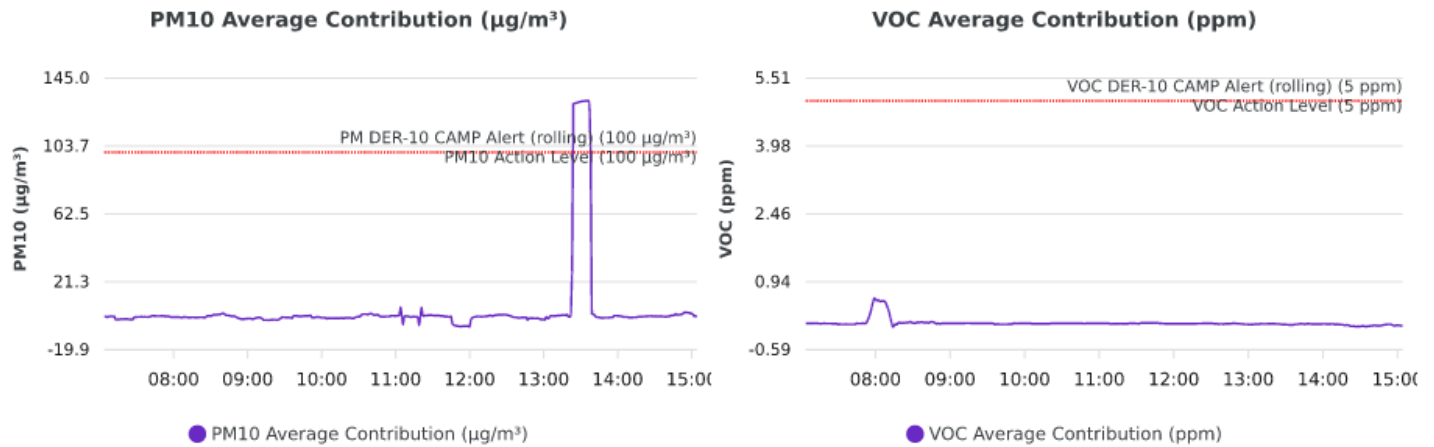
**Air Monitoring:**

The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100  $\mu\text{g}/\text{m}^3$  for particulates and 5 ppm for organic vapors. No organic vapors exceeded the 15-minute average site contribution action level of 5 ppm. Particulates (PM10) exceeded the 15-minute average site contribution action level of 100  $\mu\text{g}/\text{m}^3$  from 13:24 to 13:38. Exceedances were attributed to the exhaust of a concrete truck directly adjacent to the downwind station. Work in the area was postponed, the truck was relocated, and the exceedances subsided.

Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	17.2	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-6.2	VOC Average Site Contribution (Minimum)	-0.08
PM10 Average Site Contribution (Maximum)	131.2	VOC Average Site Contribution (Maximum)	0.57

$\mu\text{g}/\text{m}^3$ : micrograms per cubic meter.

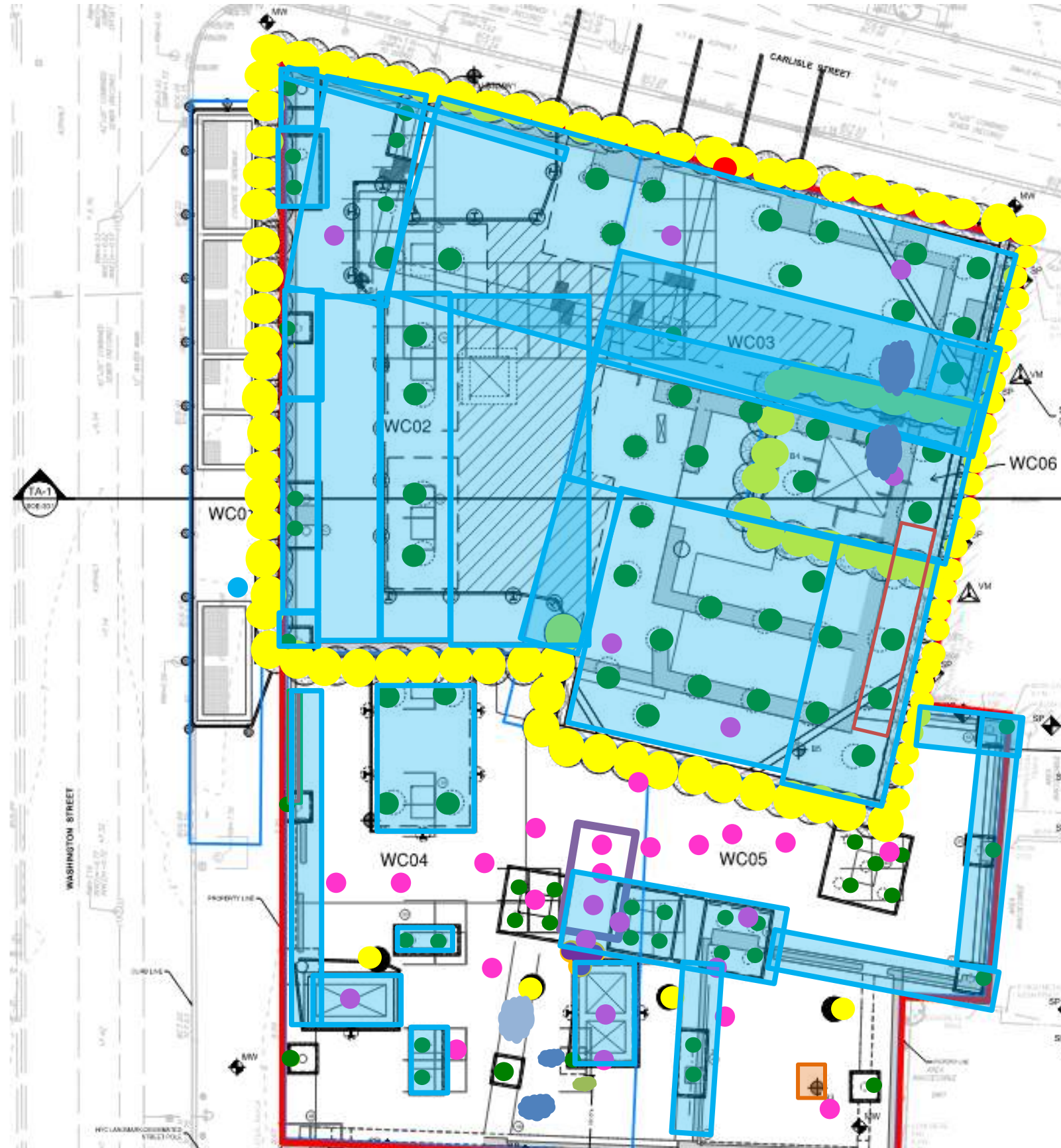
ppm: parts per million.



**Planned Activities:**

- Urban will continue to backfill, excavate, remove concrete, and install foundation elements throughout the site.
- Urban will continue to install waterproofing/vapor barrier membranes throughout the site.

**SITE PLAN**









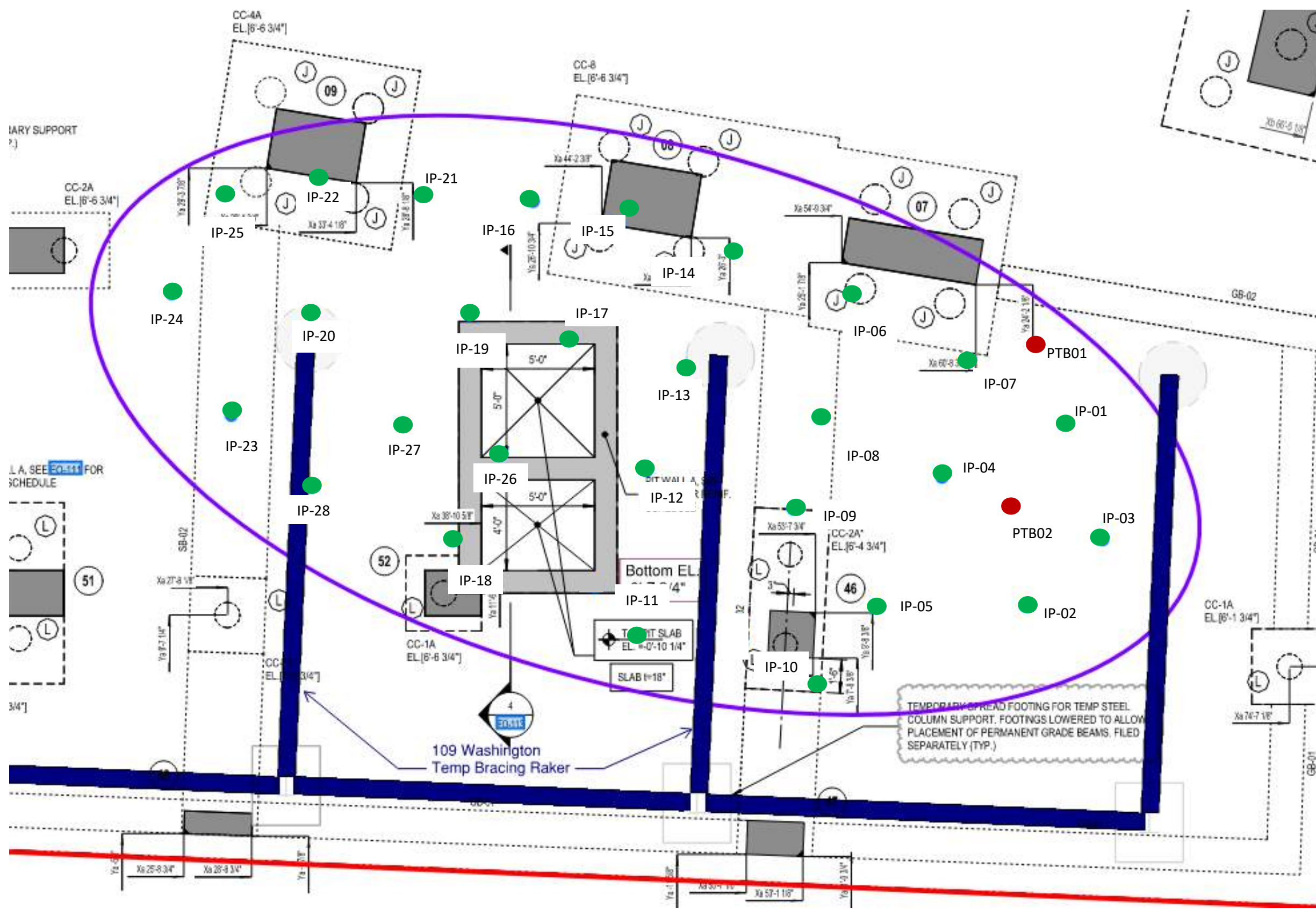
- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Imported Clean Fill**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed Soil-Mix Column**
- **Completed Caisson Casing**
- **Completed Caisson**
- **Reinstalled Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- **Soil-Mix Core Advanced**
- **Documentation Endpoint Sample**
- Completed Waterproofing Installation**
- Approximate Location of the Former UST**

**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.



**SITE PLAN - PETROFIX GROUNDWATER TREATMENT AREA**

-  Site Boundary
-  Groundwater Treatment Area
-  Proposed Petrofix Injection Point
-  In Progress Petrofix Injection
-  Completed Petrofix Injection
-  Pilot Test Boring Advanced





### Photo Log

**Photo 1:** View of Urban removing concrete in the southeastern part of the site (facing southeast).



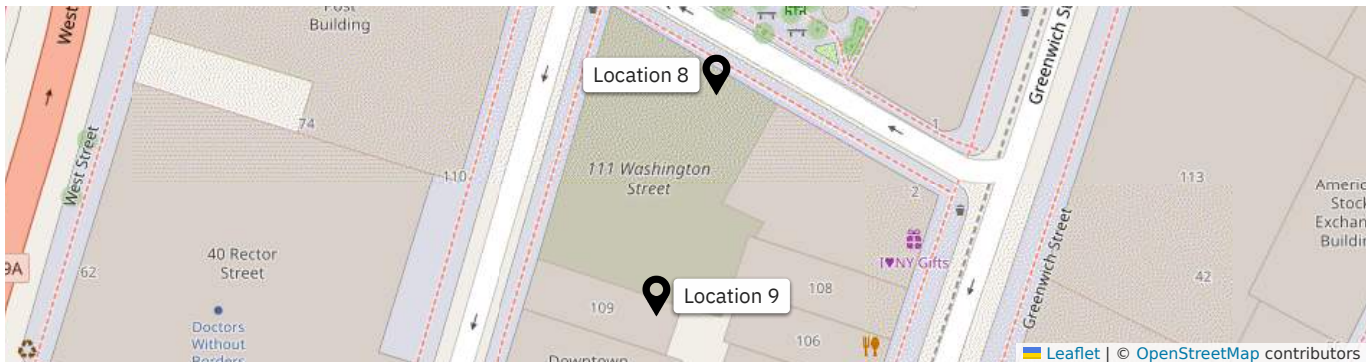
**Photo 2:** View of Urban loading a truck with non-native soil/fill for off-site disposal (facing north).



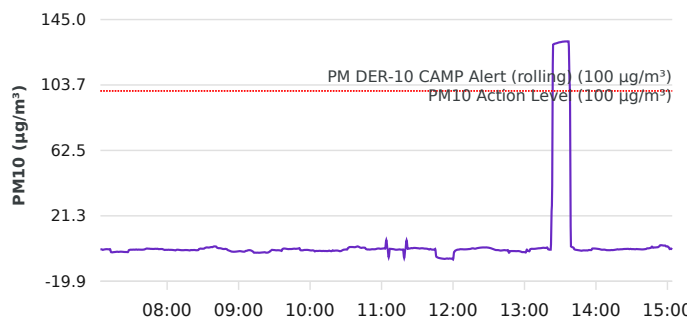
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	8/16/2024 00:00
		<b>To:</b>	8/16/2024 23:59
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
8/16/2024	0.2-2.9	NW

Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
<b>Min Contribution (15 min avg.) - 8/16/2024</b>	-6.2	12:00	-0.08	08:14
<b>Max Contribution (15 min avg.) - 8/16/2024</b>	131.2	13:36	0.57	07:59

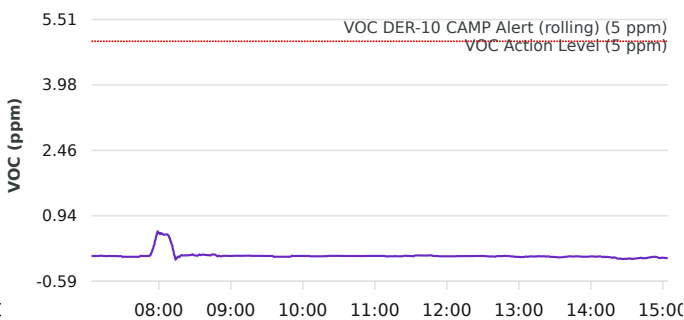


**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



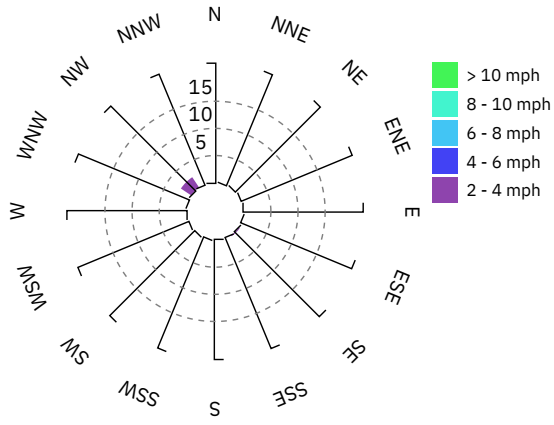
● PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )

**VOC Average Contribution (ppm)**



● VOC Average Contribution (ppm)

Contribution wind rose (mph)





Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 07:03:00							0.8	SE
8/16/2024 07:04:00	17.2	17.5	0.3	0.00	0.00	0.00	0.7	S
8/16/2024 07:05:00	16.9	17.1	0.2	0.00	0.00	0.00	0.6	SSE
8/16/2024 07:06:00	16.9	16.7	-0.1	0.00	0.00	0.00	0.6	E
8/16/2024 07:07:00	16.6	16.8	0.1	0.00	0.00	0.00	0.6	SE
8/16/2024 07:08:00	16.5	16.8	0.2	0.00	0.00	0.00	0.6	SSE
8/16/2024 07:09:00	16.4	16.8	0.3	0.00	0.00	0.00	0.7	SE
8/16/2024 07:10:00	16.4	16.6	0.3	0.00	0.00	0.00	0.7	SE
8/16/2024 07:11:00	16.4	16.6	0.2	0.00	0.01	0.01	0.7	SE
8/16/2024 07:12:00	16.3	16.6	0.4	0.00	0.01	0.01	0.6	WSW
8/16/2024 07:13:00	18.1	16.5	-1.6	0.00	0.01	0.00	0.4	NNW
8/16/2024 07:14:00	18.1	16.5	-1.7	0.01	0.01	0.00	0.4	NE
8/16/2024 07:15:00	17.9	16.4	-1.6	0.01	0.01	0.00	0.3	WNW
8/16/2024 07:16:00	17.7	16.3	-1.5	0.01	0.01	0.00	0.2	NW
8/16/2024 07:17:00	17.5	16.1	-1.4	0.01	0.01	0.00	0.2	S
8/16/2024 07:18:00	17.3	16.1	-1.3	0.01	0.01	0.00	0.2	S
8/16/2024 07:19:00	17.3	15.9	-1.4	0.01	0.01	0.00	0.1	NNW
8/16/2024 07:20:00	17.1	15.8	-1.3	0.01	0.01	0.00	0.1	S
8/16/2024 07:21:00	17.0	15.8	-1.3	0.01	0.01	0.00	0.2	SSE
8/16/2024 07:22:00	16.9	15.6	-1.3	0.01	0.01	0.00	0.1	ENE
8/16/2024 07:23:00	16.9	15.5	-1.4	0.01	0.01	0.00	0.1	SSE
8/16/2024 07:24:00	16.8	15.3	-1.4	0.01	0.01	0.00	0.1	WNW
8/16/2024 07:25:00	16.7	15.3	-1.5	0.01	0.01	0.00	0.1	WNW
8/16/2024 07:26:00	16.6	15.2	-1.5	0.01	0.01	0.00	0.2	SSW
8/16/2024 07:27:00	16.6	15.1	-1.6	0.01	0.01	-0.01	0.1	SE
8/16/2024 07:28:00	15.3	15.1	-0.2	0.01	0.01	0.00	0.2	SE
8/16/2024 07:29:00	15.1	15.0	0.0	0.01	0.01	-0.01	0.2	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 07:30:00	15.0	15.0	0.0	0.03	0.01	-0.03	0.3	SSE
8/16/2024 07:31:00	14.9	14.9	0.0	0.03	0.01	-0.02	0.4	NNE
8/16/2024 07:32:00	14.9	14.9	0.0	0.03	0.01	-0.02	0.3	N
8/16/2024 07:33:00	14.9	14.9	0.0	0.03	0.01	-0.02	0.2	N
8/16/2024 07:34:00	14.8	14.9	0.1	0.03	0.01	-0.02	0.2	NNW
8/16/2024 07:35:00	14.9	14.9	0.0	0.03	0.01	-0.02	0.3	SE
8/16/2024 07:36:00	14.9	15.0	0.1	0.03	0.01	-0.02	0.2	SSE
8/16/2024 07:37:00	15.0	15.0	0.0	0.03	0.01	-0.02	0.2	ESE
8/16/2024 07:38:00	15.0	15.0	0.0	0.03	0.01	-0.02	0.2	ENE
8/16/2024 07:39:00	15.1	15.1	0.0	0.03	0.01	-0.02	0.3	N
8/16/2024 07:40:00	15.1	15.2	0.0	0.03	0.01	-0.02	0.3	ESE
8/16/2024 07:41:00	15.2	15.3	0.2	0.03	0.01	-0.02	0.4	S
8/16/2024 07:42:00	15.2	15.7	0.5	0.03	0.01	-0.02	0.4	SSE
8/16/2024 07:43:00	15.1	15.9	0.8	0.03	0.01	-0.02	0.3	ESE
8/16/2024 07:44:00	15.3	16.0	0.6	0.02	0.01	-0.01	0.3	NW
8/16/2024 07:45:00	15.4	16.1	0.6	0.00	0.01	0.01	0.3	SE
8/16/2024 07:46:00	15.6	16.2	0.5	0.00	0.00	0.00	0.3	E
8/16/2024 07:47:00	15.7	16.2	0.5	0.00	0.00	0.00	0.3	NNW
8/16/2024 07:48:00	15.8	16.3	0.5	0.00	0.00	0.00	0.3	SE
8/16/2024 07:49:00	15.9	16.3	0.5	0.00	0.00	0.00	0.4	ESE
8/16/2024 07:50:00	15.8	16.4	0.6	0.00	0.00	0.00	0.4	SE
8/16/2024 07:51:00	15.8	16.4	0.5	0.00	0.00	0.00	0.4	ESE
8/16/2024 07:52:00	15.9	16.5	0.6	0.00	0.00	0.00	0.3	NNE
8/16/2024 07:53:00	16.2	16.5	0.3	0.00	0.03	0.02	0.3	ESE
8/16/2024 07:54:00	16.3	16.7	0.4	0.00	0.09	0.09	0.4	SSE
8/16/2024 07:55:00	16.3	16.7	0.4	0.00	0.16	0.16	0.4	SSE
8/16/2024 07:56:00	16.2	16.6	0.4	0.00	0.25	0.24	0.4	SE
8/16/2024 07:57:00	16.3	16.3	0.1	0.00	0.37	0.36	0.4	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 07:58:00	16.3	16.1	-0.2	0.00	0.48	0.48	0.4	SSE
8/16/2024 07:59:00	16.2	16.1	-0.1	0.00	0.57	0.57	0.4	SE
8/16/2024 08:00:00	16.3	16.1	-0.1	0.03	0.57	0.54	0.4	E
8/16/2024 08:01:00	16.2	16.2	0.0	0.06	0.57	0.51	0.4	NE
8/16/2024 08:02:00	16.3	16.2	-0.1	0.07	0.60	0.53	0.4	SE
8/16/2024 08:03:00	16.3	16.2	-0.1	0.09	0.60	0.51	0.4	ESE
8/16/2024 08:04:00	16.4	16.2	-0.1	0.11	0.60	0.49	0.4	NW
8/16/2024 08:05:00	16.3	16.1	-0.2	0.11	0.61	0.50	0.3	SSE
8/16/2024 08:06:00	16.3	16.0	-0.3	0.11	0.61	0.50	0.3	N
8/16/2024 08:07:00	16.4	16.0	-0.4	0.11	0.61	0.50	0.3	SSW
8/16/2024 08:08:00	16.1	16.1	-0.1	0.11	0.59	0.48	0.3	NE
8/16/2024 08:09:00	16.0	16.0	0.0	0.11	0.53	0.42	0.2	NW
8/16/2024 08:10:00	16.1	15.9	-0.1	0.11	0.45	0.34	0.3	ESE
8/16/2024 08:11:00	16.1	15.9	-0.2	0.12	0.37	0.26	0.3	E
8/16/2024 08:12:00	16.2	15.8	-0.3	0.12	0.26	0.13	0.2	N
8/16/2024 08:13:00	16.2	15.8	-0.3	0.13	0.14	0.01	0.3	E
8/16/2024 08:14:00	16.1	15.8	-0.3	0.13	0.05	-0.08	0.2	NE
8/16/2024 08:15:00	16.0	15.8	-0.2	0.10	0.05	-0.05	0.2	SE
8/16/2024 08:16:00	16.0	15.8	-0.2	0.07	0.06	-0.01	0.2	SE
8/16/2024 08:17:00	16.0	15.7	-0.3	0.07	0.04	-0.03	0.3	SE
8/16/2024 08:18:00	16.0	15.7	-0.3	0.04	0.04	0.00	0.2	SE
8/16/2024 08:19:00	16.1	15.7	-0.5	0.02	0.05	0.02	0.3	SE
8/16/2024 08:20:00	16.1	15.9	-0.2	0.03	0.04	0.01	0.3	ESE
8/16/2024 08:21:00	16.2	15.9	-0.3	0.02	0.04	0.01	0.4	SE
8/16/2024 08:22:00	16.1	15.9	-0.2	0.02	0.04	0.01	0.4	SSE
8/16/2024 08:23:00	16.1	15.9	-0.2	0.03	0.04	0.01	0.4	ESE
8/16/2024 08:24:00	16.1	15.8	-0.3	0.03	0.04	0.02	0.5	S
8/16/2024 08:25:00	16.1	15.8	-0.4	0.02	0.04	0.02	0.4	W



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 08:26:00	16.2	15.9	-0.3	0.02	0.04	0.02	0.4	SE
8/16/2024 08:27:00	16.3	16.8	0.5	0.01	0.04	0.03	0.5	SSE
8/16/2024 08:28:00	16.5	17.2	0.7	0.01	0.04	0.04	0.5	SE
8/16/2024 08:29:00	16.8	17.4	0.6	0.02	0.04	0.02	0.4	NNW
8/16/2024 08:30:00	16.9	17.6	0.6	0.03	0.04	0.01	0.3	NW
8/16/2024 08:31:00	17.0	17.7	0.7	0.03	0.04	0.01	0.3	SSE
8/16/2024 08:32:00	17.0	18.2	1.2	0.03	0.04	0.01	0.3	SSE
8/16/2024 08:33:00	17.0	18.4	1.4	0.03	0.05	0.02	0.3	SSE
8/16/2024 08:34:00	17.1	18.5	1.4	0.03	0.06	0.03	0.3	SE
8/16/2024 08:35:00	17.2	18.5	1.3	0.04	0.06	0.02	0.3	NNW
8/16/2024 08:36:00	17.1	18.6	1.5	0.04	0.07	0.03	0.3	SE
8/16/2024 08:37:00	17.0	18.7	1.6	0.04	0.08	0.03	0.3	SE
8/16/2024 08:38:00	17.1	18.7	1.6	0.05	0.08	0.03	0.3	NE
8/16/2024 08:39:00	17.1	19.1	2.0	0.05	0.07	0.02	0.2	NNW
8/16/2024 08:40:00	17.0	19.1	2.1	0.05	0.07	0.02	0.3	SE
8/16/2024 08:41:00	16.9	18.9	2.0	0.06	0.07	0.02	0.3	ESE
8/16/2024 08:42:00	16.8	18.0	1.2	0.06	0.07	0.02	0.2	ESE
8/16/2024 08:43:00	16.6	17.5	0.9	0.06	0.07	0.01	0.2	SSW
8/16/2024 08:44:00	16.3	17.2	0.9	0.04	0.07	0.03	0.4	SSE
8/16/2024 08:45:00	16.1	17.0	0.9	0.03	0.07	0.04	0.5	S
8/16/2024 08:46:00	16.0	16.6	0.6	0.03	0.06	0.03	0.5	SE
8/16/2024 08:47:00	15.8	16.2	0.4	0.03	0.06	0.03	0.5	ENE
8/16/2024 08:48:00	15.6	16.0	0.4	0.03	0.04	0.01	0.4	NW
8/16/2024 08:49:00	15.3	15.8	0.5	0.03	0.02	-0.01	0.4	S
8/16/2024 08:50:00	15.2	15.5	0.3	0.01	0.02	0.01	0.5	SE
8/16/2024 08:51:00	15.7	15.4	-0.3	0.01	0.01	0.00	0.5	SE
8/16/2024 08:52:00	15.8	15.3	-0.6	0.01	0.01	-0.01	0.5	SE
8/16/2024 08:53:00	16.0	15.1	-0.8	0.01	0.01	0.00	0.6	SSE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 08:54:00	15.9	14.8	-1.2	0.00	0.01	0.01	0.6	ESE
8/16/2024 08:55:00	15.9	14.7	-1.3	0.00	0.01	0.00	0.7	SSE
8/16/2024 08:56:00	15.9	14.6	-1.3	0.00	0.01	0.01	0.7	SSE
8/16/2024 08:57:00	15.9	14.7	-1.3	0.00	0.00	0.00	0.7	SE
8/16/2024 08:58:00	15.9	14.7	-1.2	0.00	0.00	0.00	0.7	E
8/16/2024 08:59:00	15.9	14.8	-1.1	0.00	0.00	0.00	0.7	E
8/16/2024 09:00:00	15.9	14.9	-1.0	0.00	0.00	0.00	0.6	NNW
8/16/2024 09:01:00	15.8	14.9	-0.9	0.00	0.00	0.00	0.6	SE
8/16/2024 09:02:00	15.9	14.8	-1.0	0.00	0.00	0.00	0.6	ESE
8/16/2024 09:03:00	15.9	14.8	-1.2	0.00	0.01	0.01	0.7	SE
8/16/2024 09:04:00	16.0	14.7	-1.3	0.00	0.01	0.01	0.8	SE
8/16/2024 09:05:00	15.8	14.6	-1.2	0.00	0.01	0.01	0.7	SE
8/16/2024 09:06:00	15.3	14.5	-0.8	0.00	0.01	0.01	0.7	SSE
8/16/2024 09:07:00	15.1	14.5	-0.7	0.00	0.01	0.01	0.7	ESE
8/16/2024 09:08:00	14.8	14.4	-0.4	0.00	0.01	0.01	0.6	NNW
8/16/2024 09:09:00	14.7	14.4	-0.3	0.00	0.00	0.00	0.6	ENE
8/16/2024 09:10:00	14.7	14.3	-0.4	0.00	0.00	0.00	0.5	SSE
8/16/2024 09:11:00	15.0	14.3	-0.7	0.00	0.01	0.01	0.5	SSE
8/16/2024 09:12:00	15.4	14.2	-1.2	0.00	0.01	0.01	0.5	ESE
8/16/2024 09:13:00	16.0	14.1	-1.9	0.00	0.01	0.01	0.5	SE
8/16/2024 09:14:00	16.1	14.2	-1.9	0.00	0.01	0.01	0.5	NE
8/16/2024 09:15:00	16.1	14.2	-1.9	0.00	0.01	0.01	0.5	N
8/16/2024 09:16:00	16.1	14.2	-1.9	0.00	0.01	0.01	0.5	SE
8/16/2024 09:17:00	16.1	14.1	-1.9	0.00	0.00	0.00	0.5	ESE
8/16/2024 09:18:00	16.0	14.1	-1.9	0.00	0.00	0.00	0.4	SE
8/16/2024 09:19:00	16.0	14.2	-1.8	0.00	0.00	0.00	0.5	ESE
8/16/2024 09:20:00	16.1	14.3	-1.7	0.00	0.00	0.00	0.5	SE
8/16/2024 09:21:00	16.1	14.4	-1.7	0.00	0.00	0.00	0.5	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 09:22:00	16.0	14.4	-1.6	0.00	0.00	0.00	0.6	ESE
8/16/2024 09:23:00	16.3	14.4	-1.9	0.00	0.00	0.00	0.7	SE
8/16/2024 09:24:00	16.3	14.4	-1.9	0.00	0.00	0.00	0.6	NNW
8/16/2024 09:25:00	16.2	14.5	-1.7	0.00	0.00	0.00	0.7	ESE
8/16/2024 09:26:00	15.8	14.5	-1.3	0.00	0.00	0.00	0.7	ESE
8/16/2024 09:27:00	15.3	14.6	-0.7	0.00	0.00	0.00	0.7	E
8/16/2024 09:28:00	14.7	14.6	-0.1	0.00	0.00	0.00	0.7	SE
8/16/2024 09:29:00	14.7	14.5	-0.2	0.00	0.00	0.00	0.7	SW
8/16/2024 09:30:00	14.8	14.5	-0.2	0.00	0.00	0.00	0.8	SE
8/16/2024 09:31:00	14.9	14.6	-0.4	0.00	0.00	0.00	0.8	SE
8/16/2024 09:32:00	15.0	14.6	-0.4	0.00	0.00	0.00	0.8	SW
8/16/2024 09:33:00	15.1	14.7	-0.3	0.00	0.00	0.00	0.7	NW
8/16/2024 09:34:00	15.2	14.8	-0.4	0.00	0.00	0.00	0.6	S
8/16/2024 09:35:00	15.3	14.8	-0.5	0.00	0.00	0.00	0.6	SE
8/16/2024 09:36:00	15.7	14.9	-0.8	0.02	0.00	-0.02	0.7	SSE
8/16/2024 09:37:00	15.8	16.3	0.5	0.02	0.01	-0.02	0.6	E
8/16/2024 09:38:00	15.7	16.5	0.7	0.02	0.01	-0.02	0.6	SSE
8/16/2024 09:39:00	15.9	16.6	0.7	0.02	0.01	-0.02	0.7	ESE
8/16/2024 09:40:00	16.1	16.7	0.6	0.03	0.01	-0.02	0.6	ESE
8/16/2024 09:41:00	16.4	16.8	0.4	0.03	0.01	-0.02	0.6	ENE
8/16/2024 09:42:00	16.6	16.9	0.3	0.03	0.01	-0.02	0.6	E
8/16/2024 09:43:00	16.6	17.0	0.4	0.03	0.01	-0.02	0.6	ENE
8/16/2024 09:44:00	16.6	17.0	0.4	0.03	0.01	-0.02	0.6	ENE
8/16/2024 09:45:00	16.6	17.1	0.5	0.03	0.01	-0.02	0.6	SSE
8/16/2024 09:46:00	16.6	17.2	0.6	0.03	0.01	-0.02	0.6	SE
8/16/2024 09:47:00	16.6	17.2	0.6	0.03	0.01	-0.02	0.7	SSE
8/16/2024 09:48:00	16.7	17.2	0.5	0.03	0.01	-0.02	0.7	S
8/16/2024 09:49:00	16.7	17.3	0.6	0.03	0.01	-0.02	0.7	ENE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 09:50:00	16.7	17.4	0.7	0.02	0.01	-0.01	0.7	SSE
8/16/2024 09:51:00	16.5	17.5	1.0	0.00	0.01	0.01	0.7	SSE
8/16/2024 09:52:00	16.6	16.3	-0.3	0.00	0.00	0.00	0.8	SE
8/16/2024 09:53:00	16.6	16.2	-0.4	0.00	0.00	0.00	0.8	SSE
8/16/2024 09:54:00	16.6	16.2	-0.4	0.00	0.00	0.00	0.7	N
8/16/2024 09:55:00	16.4	16.3	-0.2	0.00	0.00	0.00	0.7	ENE
8/16/2024 09:56:00	16.4	16.3	-0.2	0.00	0.00	0.00	0.7	SE
8/16/2024 09:57:00	16.4	16.3	-0.1	0.00	0.00	0.00	0.7	SSE
8/16/2024 09:58:00	16.4	16.3	-0.1	0.00	0.00	0.00	0.7	ESE
8/16/2024 09:59:00	16.5	16.3	-0.3	0.00	0.00	0.00	0.8	ESE
8/16/2024 10:00:00	16.7	16.3	-0.4	0.00	0.00	0.00	0.8	ESE
8/16/2024 10:01:00	16.8	16.3	-0.5	0.00	0.00	0.00	0.8	SSE
8/16/2024 10:02:00	16.8	16.4	-0.4	0.00	0.00	0.00	0.7	NE
8/16/2024 10:03:00	16.9	16.4	-0.5	0.00	0.00	0.00	0.8	SE
8/16/2024 10:04:00	17.5	16.4	-1.1	0.00	0.00	0.00	0.8	S
8/16/2024 10:05:00	17.4	16.6	-0.8	0.00	0.00	0.00	0.8	ENE
8/16/2024 10:06:00	17.4	16.6	-0.8	0.01	0.00	-0.01	0.8	SSE
8/16/2024 10:07:00	17.4	16.6	-0.8	0.01	0.00	-0.01	0.7	NNE
8/16/2024 10:08:00	17.5	16.8	-0.7	0.01	0.00	-0.01	0.7	ENE
8/16/2024 10:09:00	17.6	16.8	-0.8	0.01	0.00	-0.01	0.6	NW
8/16/2024 10:10:00	17.7	16.8	-0.9	0.01	0.00	-0.01	0.5	NW
8/16/2024 10:11:00	17.6	16.9	-0.8	0.01	0.00	-0.01	0.4	NW
8/16/2024 10:12:00	17.8	16.9	-0.8	0.01	0.00	-0.01	0.3	WSW
8/16/2024 10:13:00	17.9	17.1	-0.8	0.01	0.00	-0.01	0.3	ESE
8/16/2024 10:14:00	18.0	17.2	-0.9	0.01	0.00	-0.01	0.3	SE
8/16/2024 10:15:00	18.2	17.3	-0.9	0.01	0.00	-0.01	0.3	SE
8/16/2024 10:16:00	18.2	17.6	-0.6	0.01	0.00	-0.01	0.3	ENE
8/16/2024 10:17:00	18.5	17.7	-0.8	0.01	0.01	-0.01	0.3	SSE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 10:18:00	18.7	17.8	-0.9	0.01	0.01	0.00	0.3	SSE
8/16/2024 10:19:00	18.3	17.9	-0.4	0.01	0.01	0.00	0.3	SE
8/16/2024 10:20:00	18.4	17.7	-0.7	0.01	0.00	-0.01	0.3	SE
8/16/2024 10:21:00	18.5	17.9	-0.6	0.00	0.00	0.00	0.3	ESE
8/16/2024 10:22:00	18.5	18.0	-0.5	0.00	0.00	0.00	0.4	SSE
8/16/2024 10:23:00	18.6	18.1	-0.6	0.00	0.00	0.00	0.4	ESE
8/16/2024 10:24:00	18.9	18.1	-0.7	0.00	0.00	0.00	0.6	SE
8/16/2024 10:25:00	19.1	18.2	-1.0	0.00	0.00	0.00	0.7	SE
8/16/2024 10:26:00	19.1	18.3	-0.8	0.00	0.00	0.00	0.8	SE
8/16/2024 10:27:00	19.0	18.6	-0.4	0.00	0.00	0.00	0.9	SE
8/16/2024 10:28:00	18.9	18.9	0.0	0.00	0.00	0.00	0.8	W
8/16/2024 10:29:00	18.8	18.9	0.1	0.00	0.00	0.00	0.7	WNW
8/16/2024 10:30:00	18.7	18.8	0.1	0.00	0.00	0.00	0.6	E
8/16/2024 10:31:00	18.6	18.7	0.1	0.00	0.00	0.00	0.7	SE
8/16/2024 10:32:00	18.3	19.4	1.1	0.00	0.00	0.00	0.7	S
8/16/2024 10:33:00	18.1	19.7	1.6	0.00	0.00	0.00	0.7	SE
8/16/2024 10:34:00	18.0	19.7	1.7	0.00	0.00	0.00	0.5	WNW
8/16/2024 10:35:00	18.0	19.7	1.7	0.00	0.00	0.00	0.5	SSE
8/16/2024 10:36:00	17.9	19.6	1.7	0.00	0.00	0.00	0.4	W
8/16/2024 10:37:00	17.9	19.5	1.6	0.00	0.00	0.00	0.4	NW
8/16/2024 10:38:00	17.8	19.4	1.6	0.00	0.00	0.00	0.4	SE
8/16/2024 10:39:00	17.6	19.5	1.9	0.00	0.00	0.00	0.3	SE
8/16/2024 10:40:00	17.4	19.5	2.1	0.00	0.00	0.00	0.3	ESE
8/16/2024 10:41:00	17.6	19.4	1.8	0.00	0.00	0.00	0.2	ENE
8/16/2024 10:42:00	17.8	19.1	1.3	0.00	0.00	0.00	0.1	NNE
8/16/2024 10:43:00	17.8	18.9	1.1	0.00	0.00	0.00	0.2	SE
8/16/2024 10:44:00	17.8	19.0	1.3	0.00	0.00	0.00	0.3	ESE
8/16/2024 10:45:00	17.9	19.2	1.3	0.00	0.00	0.00	0.3	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 10:46:00	18.0	19.2	1.2	0.00	0.00	0.00	0.3	SE
8/16/2024 10:47:00	18.2	18.6	0.4	0.00	0.00	0.00	0.3	ESE
8/16/2024 10:48:00	18.3	18.4	0.1	0.00	0.00	0.00	0.3	NE
8/16/2024 10:49:00	18.4	18.6	0.1	0.00	0.00	0.00	0.3	N
8/16/2024 10:50:00	18.6	18.6	0.1	0.00	0.00	0.00	0.3	NE
8/16/2024 10:51:00	18.6	18.8	0.2	0.00	0.00	0.00	0.4	SE
8/16/2024 10:52:00	18.7	19.0	0.3	0.00	0.00	0.00	0.5	ESE
8/16/2024 10:53:00	18.8	19.1	0.3	0.00	0.00	0.00	0.5	NE
8/16/2024 10:54:00	19.0	19.2	0.3	0.00	0.00	0.00	0.5	SE
8/16/2024 10:55:00	19.0	19.3	0.3	0.00	0.00	0.00	0.5	SSE
8/16/2024 10:56:00	18.9	19.5	0.6	0.00	0.00	0.00	0.5	S
8/16/2024 10:57:00	18.9	19.6	0.7	0.00	0.00	0.00	0.5	SSE
8/16/2024 10:58:00	18.9	19.7	0.7	0.00	0.00	0.00	0.5	SSE
8/16/2024 10:59:00	19.0	19.6	0.6	0.00	0.00	0.00	0.5	E
8/16/2024 11:00:00	19.1	19.7	0.6	0.00	0.00	0.00	0.5	E
8/16/2024 11:01:00	19.1	19.9	0.7	0.00	0.00	0.00	0.5	E
8/16/2024 11:02:00	19.1	19.9	0.8	0.00	0.00	0.00	0.5	SSE
8/16/2024 11:03:00	19.3	20.0	0.7	0.00	0.00	0.00	0.5	SSW
8/16/2024 11:04:00	19.4	25.4	6.0	0.00	0.00	0.00	0.6	ENE
8/16/2024 11:05:00	24.8	25.5	0.8	0.00	0.00	0.00	0.6	S
8/16/2024 11:06:00	30.3	25.5	-4.8	0.00	0.00	0.00	0.6	SSE
8/16/2024 11:07:00	30.4	30.9	0.5	0.00	0.00	0.00	0.5	NW
8/16/2024 11:08:00	30.3	30.8	0.5	0.00	0.00	0.00	0.4	NW
8/16/2024 11:09:00	30.3	30.7	0.4	0.01	0.00	-0.01	0.3	NNW
8/16/2024 11:10:00	30.2	30.6	0.3	0.01	0.00	-0.01	0.1	NW
8/16/2024 11:11:00	30.3	30.4	0.1	0.01	0.01	-0.01	0.2	ESE
8/16/2024 11:12:00	30.4	30.4	0.0	0.01	0.01	-0.01	0.1	WNW
8/16/2024 11:13:00	30.4	30.4	0.0	0.01	0.01	-0.01	0.0	N



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 11:14:00	30.3	30.4	0.1	0.01	0.01	-0.01	0.1	NW
8/16/2024 11:15:00	30.3	30.4	0.2	0.01	0.01	-0.01	0.2	NW
8/16/2024 11:16:00	30.2	30.2	0.1	0.01	0.01	-0.01	0.3	WNW
8/16/2024 11:17:00	30.1	30.1	0.0	0.01	0.01	0.00	0.4	W
8/16/2024 11:18:00	30.0	30.1	0.1	0.02	0.01	-0.01	0.6	NW
8/16/2024 11:19:00	29.9	24.7	-5.2	0.02	0.01	-0.01	0.8	NW
8/16/2024 11:20:00	24.4	24.7	0.3	0.02	0.01	-0.01	0.9	NW
8/16/2024 11:21:00	18.8	24.6	5.8	0.02	0.01	-0.01	0.9	NNW
8/16/2024 11:22:00	18.7	19.2	0.5	0.02	0.01	-0.01	0.9	NW
8/16/2024 11:23:00	18.7	19.4	0.7	0.02	0.01	-0.01	0.8	ESE
8/16/2024 11:24:00	18.7	19.5	0.8	0.01	0.01	0.00	0.8	WNW
8/16/2024 11:25:00	18.6	19.6	1.0	0.01	0.01	0.01	0.9	NW
8/16/2024 11:26:00	18.7	19.6	0.9	0.01	0.01	0.00	0.9	S
8/16/2024 11:27:00	18.6	19.6	1.1	0.01	0.01	0.00	0.9	NNW
8/16/2024 11:28:00	18.5	19.6	1.1	0.01	0.01	0.00	0.9	ENE
8/16/2024 11:29:00	18.5	19.5	1.0	0.01	0.01	0.00	0.8	W
8/16/2024 11:30:00	18.4	19.4	0.9	0.01	0.01	0.00	0.7	NE
8/16/2024 11:31:00	18.4	19.3	0.9	0.01	0.01	0.00	0.6	SE
8/16/2024 11:32:00	18.4	19.2	0.7	0.01	0.01	-0.01	0.5	SE
8/16/2024 11:33:00	18.4	19.2	0.9	0.01	0.01	0.01	0.3	E
8/16/2024 11:34:00	18.3	19.2	0.9	0.01	0.02	0.01	0.2	NW
8/16/2024 11:35:00	18.2	19.1	0.8	0.01	0.02	0.01	0.2	E
8/16/2024 11:36:00	18.3	19.0	0.7	0.01	0.02	0.01	0.1	SSE
8/16/2024 11:37:00	18.3	18.9	0.7	0.01	0.02	0.01	0.1	NW
8/16/2024 11:38:00	18.2	18.8	0.6	0.01	0.02	0.01	0.1	E
8/16/2024 11:39:00	18.2	18.6	0.4	0.01	0.02	0.01	0.1	SE
8/16/2024 11:40:00	18.3	18.4	0.1	0.01	0.02	0.01	0.3	SE
8/16/2024 11:41:00	18.1	18.5	0.4	0.01	0.02	0.01	0.2	NE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 11:42:00	18.3	18.4	0.1	0.01	0.02	0.01	0.2	WSW
8/16/2024 11:43:00	18.3	18.3	0.0	0.01	0.02	0.01	0.2	NNE
8/16/2024 11:44:00	18.3	18.3	0.0	0.01	0.02	0.01	0.3	S
8/16/2024 11:45:00	18.3	18.7	0.5	0.00	0.02	0.01	0.2	NNW
8/16/2024 11:46:00	23.1	18.6	-4.5	0.00	0.02	0.01	0.1	W
8/16/2024 11:47:00	23.4	18.5	-4.9	0.00	0.02	0.02	0.1	SSE
8/16/2024 11:48:00	23.4	18.3	-5.2	0.00	0.01	0.01	0.1	SW
8/16/2024 11:49:00	23.4	18.1	-5.4	0.00	0.00	0.00	0.2	WSW
8/16/2024 11:50:00	23.4	17.8	-5.5	0.00	0.00	0.00	0.2	SSW
8/16/2024 11:51:00	23.3	17.6	-5.6	0.00	0.00	0.00	0.2	SE
8/16/2024 11:52:00	23.2	17.5	-5.7	0.00	0.00	0.00	0.3	SE
8/16/2024 11:53:00	23.1	17.3	-5.8	0.01	0.00	-0.01	0.4	SSE
8/16/2024 11:54:00	22.9	17.3	-5.7	0.01	0.00	-0.01	0.4	SW
8/16/2024 11:55:00	22.7	17.2	-5.5	0.01	0.00	-0.01	0.4	S
8/16/2024 11:56:00	22.7	17.0	-5.7	0.01	0.00	-0.01	0.5	W
8/16/2024 11:57:00	22.5	16.9	-5.5	0.01	0.00	-0.01	0.5	S
8/16/2024 11:58:00	22.4	16.7	-5.6	0.01	0.00	-0.01	0.6	SW
8/16/2024 11:59:00	22.2	16.6	-5.6	0.01	0.00	-0.01	0.6	W
8/16/2024 12:00:00	22.3	16.1	-6.2	0.01	0.00	-0.01	0.6	SE
8/16/2024 12:01:00	17.4	16.1	-1.4	0.01	0.00	-0.01	0.6	W
8/16/2024 12:02:00	16.9	16.3	-0.6	0.01	0.00	-0.01	0.5	WNW
8/16/2024 12:03:00	16.9	16.8	-0.2	0.01	0.00	-0.01	0.5	NW
8/16/2024 12:04:00	17.0	17.1	0.0	0.01	0.00	-0.01	0.4	NW
8/16/2024 12:05:00	17.1	17.2	0.1	0.01	0.00	-0.01	0.4	SW
8/16/2024 12:06:00	17.1	17.4	0.3	0.01	0.00	-0.01	0.5	WNW
8/16/2024 12:07:00	17.1	17.4	0.3	0.01	0.00	-0.01	0.5	NW
8/16/2024 12:08:00	17.2	17.5	0.3	0.01	0.00	-0.01	0.5	NE
8/16/2024 12:09:00	17.3	17.5	0.2	0.00	0.00	0.00	0.4	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 12:10:00	17.4	17.6	0.2	0.00	0.00	0.00	0.3	E
8/16/2024 12:11:00	17.4	17.6	0.2	0.00	0.00	0.00	0.2	SE
8/16/2024 12:12:00	17.4	17.7	0.3	0.00	0.00	0.00	0.1	SE
8/16/2024 12:13:00	17.4	17.8	0.4	0.00	0.00	0.00	0.1	SE
8/16/2024 12:14:00	17.4	17.8	0.4	0.00	0.00	0.00	0.2	ESE
8/16/2024 12:15:00	17.3	17.9	0.6	0.00	0.00	0.00	0.2	SE
8/16/2024 12:16:00	17.2	18.0	0.8	0.00	0.00	0.00	0.4	SE
8/16/2024 12:17:00	17.2	18.0	0.8	0.00	0.00	0.00	0.5	SSE
8/16/2024 12:18:00	17.1	17.8	0.6	0.00	0.00	0.00	0.6	SSE
8/16/2024 12:19:00	17.1	17.7	0.7	0.00	0.00	0.00	0.6	SE
8/16/2024 12:20:00	17.0	17.9	0.9	0.00	0.00	0.00	0.7	SE
8/16/2024 12:21:00	17.1	18.2	1.1	0.00	0.00	0.00	0.8	SE
8/16/2024 12:22:00	17.2	18.4	1.2	0.00	0.00	0.00	1.0	SE
8/16/2024 12:23:00	17.3	18.6	1.3	0.00	0.00	0.00	1.0	SE
8/16/2024 12:24:00	17.3	18.7	1.4	0.00	0.00	0.00	1.0	SE
8/16/2024 12:25:00	17.3	18.7	1.4	0.00	0.00	0.00	1.1	ESE
8/16/2024 12:26:00	17.4	18.8	1.4	0.00	0.00	0.00	1.0	SSE
8/16/2024 12:27:00	17.5	18.9	1.4	0.00	0.00	0.00	0.9	N
8/16/2024 12:28:00	17.6	19.1	1.4	0.00	0.00	0.00	0.9	SE
8/16/2024 12:29:00	17.9	19.3	1.3	0.00	0.00	0.00	0.9	SSE
8/16/2024 12:30:00	18.3	19.6	1.2	0.00	0.00	0.00	0.7	NW
8/16/2024 12:31:00	18.6	19.7	1.1	0.00	0.00	0.00	0.5	NW
8/16/2024 12:32:00	18.8	19.6	0.9	0.00	0.00	0.00	0.4	WNW
8/16/2024 12:33:00	18.9	19.5	0.6	0.01	0.00	-0.01	0.2	NW
8/16/2024 12:34:00	19.1	19.4	0.3	0.01	0.00	-0.01	0.1	WNW
8/16/2024 12:35:00	19.2	19.2	0.0	0.01	0.00	-0.01	0.1	WNW
8/16/2024 12:36:00	19.2	19.0	-0.2	0.01	0.00	-0.01	0.2	WNW
8/16/2024 12:37:00	19.2	18.9	-0.2	0.01	0.00	-0.01	0.3	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 12:38:00	19.2	18.9	-0.3	0.01	0.00	-0.01	0.3	SE
8/16/2024 12:39:00	19.3	18.9	-0.4	0.01	0.00	-0.01	0.4	NNW
8/16/2024 12:40:00	19.4	18.9	-0.6	0.02	0.00	-0.02	0.6	NW
8/16/2024 12:41:00	19.4	19.0	-0.5	0.02	0.01	-0.01	0.7	WSW
8/16/2024 12:42:00	19.4	19.1	-0.4	0.02	0.02	0.00	0.8	W
8/16/2024 12:43:00	19.5	19.2	-0.3	0.02	0.02	0.00	0.8	SE
8/16/2024 12:44:00	19.6	19.2	-0.4	0.02	0.02	0.00	0.9	E
8/16/2024 12:45:00	19.6	19.1	-0.4	0.02	0.02	0.00	0.8	WNW
8/16/2024 12:46:00	19.5	19.2	-0.3	0.02	0.02	0.00	0.6	SSE
8/16/2024 12:47:00	21.3	19.4	-1.9	0.02	0.02	0.00	0.5	SE
8/16/2024 12:48:00	21.3	20.4	-0.9	0.01	0.02	0.00	0.4	NW
8/16/2024 12:49:00	21.4	20.5	-0.9	0.01	0.02	0.00	0.4	NW
8/16/2024 12:50:00	21.4	20.6	-0.9	0.02	0.02	0.00	0.4	NW
8/16/2024 12:51:00	21.4	20.6	-0.9	0.02	0.02	0.00	0.5	WNW
8/16/2024 12:52:00	21.5	20.6	-0.9	0.02	0.02	0.00	0.5	WNW
8/16/2024 12:53:00	21.5	20.6	-0.9	0.03	0.02	-0.01	0.6	WNW
8/16/2024 12:54:00	21.6	20.7	-0.9	0.03	0.02	-0.01	0.7	WNW
8/16/2024 12:55:00	21.6	20.8	-0.9	0.03	0.02	-0.01	0.6	NNW
8/16/2024 12:56:00	21.9	20.9	-1.0	0.03	0.02	-0.01	0.5	S
8/16/2024 12:57:00	22.2	21.0	-1.2	0.03	0.01	-0.02	0.5	WSW
8/16/2024 12:58:00	22.6	21.1	-1.5	0.03	0.01	-0.02	0.7	WNW
8/16/2024 12:59:00	22.7	21.2	-1.5	0.03	0.01	-0.02	0.8	WNW
8/16/2024 13:00:00	22.8	21.3	-1.5	0.03	0.01	-0.02	0.9	WNW
8/16/2024 13:01:00	22.9	21.2	-1.8	0.04	0.01	-0.03	1.0	WNW
8/16/2024 13:02:00	21.2	21.2	0.0	0.04	0.01	-0.02	1.1	WNW
8/16/2024 13:03:00	21.2	20.5	-0.7	0.04	0.01	-0.02	1.1	W
8/16/2024 13:04:00	21.6	20.6	-1.0	0.04	0.01	-0.02	1.0	SSE
8/16/2024 13:05:00	21.7	22.1	0.4	0.03	0.01	-0.02	1.0	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 13:06:00	21.8	22.4	0.6	0.03	0.01	-0.01	1.0	NW
8/16/2024 13:07:00	22.0	22.5	0.5	0.03	0.01	-0.02	1.0	WNW
8/16/2024 13:08:00	22.1	22.7	0.5	0.02	0.01	-0.01	1.0	NW
8/16/2024 13:09:00	22.2	22.8	0.6	0.02	0.01	-0.01	1.0	WNW
8/16/2024 13:10:00	22.3	22.9	0.7	0.01	0.01	-0.01	1.1	W
8/16/2024 13:11:00	22.2	23.0	0.8	0.01	0.00	-0.01	1.2	WNW
8/16/2024 13:12:00	22.1	22.9	0.9	0.01	0.00	-0.01	1.2	NNW
8/16/2024 13:13:00	22.0	22.9	0.9	0.01	0.00	-0.01	1.0	ENE
8/16/2024 13:14:00	21.8	22.8	1.0	0.01	0.00	-0.01	1.0	NW
8/16/2024 13:15:00	21.6	22.7	1.1	0.01	0.00	-0.01	1.0	W
8/16/2024 13:16:00	21.4	22.6	1.2	0.01	0.00	0.00	0.9	NW
8/16/2024 13:17:00	21.4	22.5	1.1	0.01	0.00	-0.01	0.9	NW
8/16/2024 13:18:00	21.3	22.4	1.1	0.01	0.00	-0.01	0.8	NE
8/16/2024 13:19:00	20.9	22.3	1.4	0.01	0.00	-0.01	0.9	WNW
8/16/2024 13:20:00	20.8	21.0	0.2	0.01	0.00	-0.01	0.9	NW
8/16/2024 13:21:00	20.8	20.8	0.0	0.01	0.00	-0.01	0.9	NNW
8/16/2024 13:22:00	20.6	20.6	0.0	0.01	0.00	-0.01	0.8	E
8/16/2024 13:23:00	20.4	48.2	27.8	0.01	0.00	-0.01	0.7	NW
8/16/2024 13:24:00	23.8	153.0	129.2	0.01	0.00	-0.01	0.7	WNW
8/16/2024 13:25:00	25.6	155.3	129.7	0.01	0.00	-0.01	0.7	NNW
8/16/2024 13:26:00	25.8	155.6	129.8	0.02	0.00	-0.02	0.7	NNW
8/16/2024 13:27:00	25.7	155.8	130.0	0.02	0.00	-0.02	0.7	NNW
8/16/2024 13:28:00	25.5	155.8	130.3	0.02	0.00	-0.02	0.8	NW
8/16/2024 13:29:00	25.3	155.9	130.6	0.02	0.00	-0.02	0.8	NNW
8/16/2024 13:30:00	25.3	155.9	130.7	0.02	0.00	-0.02	0.8	NW
8/16/2024 13:31:00	25.2	156.1	130.8	0.03	0.00	-0.03	0.8	NNW
8/16/2024 13:32:00	25.2	156.2	131.0	0.03	0.00	-0.03	0.8	NNW
8/16/2024 13:33:00	25.2	156.2	131.1	0.03	0.00	-0.03	0.8	NNE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 13:34:00	25.1	156.3	131.2	0.03	0.00	-0.03	0.8	WNW
8/16/2024 13:35:00	25.1	156.2	131.2	0.03	0.00	-0.03	0.7	WSW
8/16/2024 13:36:00	24.9	156.2	131.2	0.03	0.00	-0.03	0.6	SE
8/16/2024 13:37:00	25.0	156.1	131.2	0.03	0.00	-0.03	0.7	NNW
8/16/2024 13:38:00	24.9	128.5	103.6	0.02	0.01	-0.02	0.6	SE
8/16/2024 13:39:00	21.5	23.5	2.1	0.02	0.01	-0.02	0.6	N
8/16/2024 13:40:00	19.6	21.2	1.6	0.02	0.01	-0.02	0.4	SE
8/16/2024 13:41:00	19.3	20.7	1.4	0.01	0.01	-0.01	0.3	SE
8/16/2024 13:42:00	20.2	20.4	0.2	0.01	0.01	-0.01	0.2	SE
8/16/2024 13:43:00	20.3	20.2	-0.1	0.01	0.01	-0.01	0.1	WNW
8/16/2024 13:44:00	20.3	20.1	-0.2	0.02	0.01	-0.01	0.2	NW
8/16/2024 13:45:00	20.3	20.0	-0.3	0.02	0.01	-0.01	0.3	NW
8/16/2024 13:46:00	20.3	19.9	-0.4	0.02	0.01	-0.01	0.3	NNW
8/16/2024 13:47:00	20.3	19.8	-0.6	0.01	0.01	-0.01	0.3	WNW
8/16/2024 13:48:00	20.3	19.7	-0.7	0.01	0.01	-0.01	0.4	NNW
8/16/2024 13:49:00	20.3	19.8	-0.5	0.01	0.00	-0.01	0.4	NW
8/16/2024 13:50:00	20.3	19.9	-0.4	0.01	0.00	-0.01	0.5	NW
8/16/2024 13:51:00	20.4	19.9	-0.5	0.01	0.00	-0.01	0.6	NW
8/16/2024 13:52:00	20.4	20.0	-0.4	0.02	0.00	-0.01	0.6	NW
8/16/2024 13:53:00	20.5	20.0	-0.5	0.02	0.00	-0.02	0.8	NW
8/16/2024 13:54:00	20.5	20.3	-0.2	0.02	0.00	-0.02	0.7	ESE
8/16/2024 13:55:00	20.5	20.3	-0.2	0.02	0.00	-0.02	0.7	ESE
8/16/2024 13:56:00	20.6	20.3	-0.3	0.02	0.00	-0.02	0.7	SE
8/16/2024 13:57:00	19.6	20.3	0.7	0.02	0.00	-0.02	0.8	WNW
8/16/2024 13:58:00	19.6	20.3	0.8	0.02	0.00	-0.02	0.8	WNW
8/16/2024 13:59:00	19.8	20.6	0.7	0.01	0.00	-0.01	0.8	N
8/16/2024 14:00:00	20.0	20.6	0.7	0.01	0.00	-0.01	0.6	NE
8/16/2024 14:01:00	20.1	20.7	0.6	0.01	0.00	-0.01	0.7	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 14:02:00	20.2	20.6	0.5	0.01	0.00	-0.01	0.7	NW
8/16/2024 14:03:00	20.3	20.6	0.3	0.01	0.00	-0.01	0.6	E
8/16/2024 14:04:00	20.4	20.5	0.1	0.01	0.00	-0.01	0.5	WNW
8/16/2024 14:05:00	20.4	20.4	0.0	0.01	0.00	-0.01	0.5	N
8/16/2024 14:06:00	20.4	20.4	0.0	0.01	0.00	-0.01	0.5	NW
8/16/2024 14:07:00	20.3	20.3	0.0	0.01	0.00	-0.01	0.4	W
8/16/2024 14:08:00	20.3	20.2	-0.1	0.01	0.00	-0.01	0.4	NW
8/16/2024 14:09:00	20.2	19.9	-0.3	0.02	0.00	-0.02	0.6	NW
8/16/2024 14:10:00	20.2	19.9	-0.3	0.03	0.00	-0.03	0.6	ESE
8/16/2024 14:11:00	20.1	19.8	-0.3	0.03	0.01	-0.01	0.7	WNW
8/16/2024 14:12:00	20.1	19.8	-0.3	0.04	0.01	-0.03	0.7	N
8/16/2024 14:13:00	20.0	19.8	-0.2	0.04	0.02	-0.02	0.7	SW
8/16/2024 14:14:00	19.8	19.5	-0.3	0.04	0.02	-0.02	0.7	NW
8/16/2024 14:15:00	19.6	19.4	-0.2	0.05	0.02	-0.03	0.7	WNW
8/16/2024 14:16:00	19.5	19.4	-0.1	0.05	0.02	-0.03	0.7	NNW
8/16/2024 14:17:00	19.4	19.5	0.1	0.06	0.02	-0.04	0.8	NW
8/16/2024 14:18:00	19.3	19.5	0.3	0.06	0.02	-0.04	0.9	NW
8/16/2024 14:19:00	19.4	19.5	0.1	0.06	0.03	-0.03	0.9	SW
8/16/2024 14:20:00	19.3	19.5	0.2	0.07	0.03	-0.04	0.9	NW
8/16/2024 14:21:00	19.3	19.6	0.3	0.07	0.03	-0.04	0.9	NW
8/16/2024 14:22:00	19.3	19.6	0.3	0.08	0.03	-0.06	0.9	NE
8/16/2024 14:23:00	19.2	19.6	0.4	0.09	0.03	-0.06	0.9	NW
8/16/2024 14:24:00	19.2	19.6	0.5	0.09	0.03	-0.06	0.9	NW
8/16/2024 14:25:00	19.1	19.6	0.5	0.08	0.03	-0.06	1.0	NNW
8/16/2024 14:26:00	19.1	19.6	0.5	0.09	0.01	-0.07	1.1	NW
8/16/2024 14:27:00	19.1	19.7	0.5	0.08	0.01	-0.07	1.2	NW
8/16/2024 14:28:00	19.3	19.6	0.3	0.08	0.02	-0.07	1.2	W
8/16/2024 14:29:00	19.3	19.8	0.5	0.09	0.02	-0.07	1.2	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 14:30:00	19.4	19.8	0.3	0.08	0.02	-0.07	1.2	W
8/16/2024 14:31:00	19.4	19.8	0.4	0.08	0.02	-0.06	1.2	WNW
8/16/2024 14:32:00	19.4	19.8	0.3	0.08	0.02	-0.06	1.1	NNW
8/16/2024 14:33:00	19.4	19.7	0.3	0.07	0.02	-0.06	1.2	NW
8/16/2024 14:34:00	19.3	19.7	0.4	0.08	0.01	-0.07	1.3	NNW
8/16/2024 14:35:00	19.3	19.6	0.3	0.07	0.01	-0.07	1.3	NW
8/16/2024 14:36:00	19.2	19.5	0.3	0.07	0.01	-0.06	1.3	NNW
8/16/2024 14:37:00	19.2	19.4	0.3	0.07	0.01	-0.06	1.3	N
8/16/2024 14:38:00	19.2	19.4	0.2	0.07	0.01	-0.06	1.3	WNW
8/16/2024 14:39:00	19.2	19.4	0.2	0.06	0.01	-0.05	1.3	NNW
8/16/2024 14:40:00	19.2	19.4	0.2	0.06	0.01	-0.05	1.3	NNW
8/16/2024 14:41:00	19.2	19.5	0.3	0.05	0.01	-0.04	1.2	N
8/16/2024 14:42:00	19.1	19.6	0.4	0.05	0.01	-0.04	1.3	NW
8/16/2024 14:43:00	19.0	19.8	0.8	0.05	0.00	-0.05	1.3	NW
8/16/2024 14:44:00	18.9	19.7	0.8	0.05	0.00	-0.05	1.3	NW
8/16/2024 14:45:00	18.8	19.8	1.0	0.05	0.00	-0.05	1.3	NW
8/16/2024 14:46:00	18.7	19.9	1.1	0.05	0.00	-0.05	1.3	NW
8/16/2024 14:47:00	18.7	20.6	1.9	0.04	0.00	-0.04	1.3	NW
8/16/2024 14:48:00	19.3	20.6	1.2	0.04	0.00	-0.04	1.1	ESE
8/16/2024 14:49:00	19.3	20.7	1.4	0.03	0.00	-0.03	1.0	N
8/16/2024 14:50:00	19.4	20.8	1.4	0.03	0.00	-0.03	1.0	W
8/16/2024 14:51:00	19.4	20.9	1.5	0.02	0.00	-0.02	1.1	NW
8/16/2024 14:52:00	19.3	20.9	1.6	0.02	0.00	-0.02	1.1	NW
8/16/2024 14:53:00	19.3	21.3	2.1	0.02	0.00	-0.02	1.1	NW
8/16/2024 14:54:00	19.3	22.1	2.8	0.02	0.00	-0.02	1.3	NW
8/16/2024 14:55:00	19.3	22.1	2.8	0.03	0.00	-0.03	1.3	NW
8/16/2024 14:56:00	19.3	22.0	2.7	0.04	0.00	-0.04	1.3	WNW
8/16/2024 14:57:00	19.3	21.9	2.6	0.05	0.00	-0.05	1.1	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2024 14:58:00	19.3	21.9	2.6	0.05	0.00	-0.05	1.1	NW
8/16/2024 14:59:00	19.7	21.8	2.0	0.04	0.01	-0.04	1.0	ESE
8/16/2024 15:00:00	19.9	22.0	2.1	0.05	0.01	-0.04	1.0	NW
8/16/2024 15:01:00	20.4	22.0	1.5	0.05	0.01	-0.04	1.1	NW
8/16/2024 15:02:00	20.9	21.3	0.4	0.05	0.01	-0.05	1.2	NW
8/16/2024 15:03:00	20.8	21.5	0.7	0.06	0.01	-0.05	1.3	N
8/16/2024 15:04:00	21.3	21.4	0.2	0.06	0.01	-0.05	1.3	NNW