

**DAILY FIELD REPORT 145**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	December 16, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	8:30 am to 4:30 pm
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**Consultant:** Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

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

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

**Langan Field Personnel:**

Padmanabhan Krishnaswamy  
(Environmental)

Junggeun Hwang (Geotechnical)

**Work Activities Performed:**

- Urban excavated an about 6-foot-long by 3-foot-wide area around existing caissons from about 8 feet below grade surface (bgs) to about 14 feet bgs in the northwestern part of grids WC02\_5-10 and WC02\_10-15 for the installation of pile caps. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban excavated an about 12-foot-long by 4-foot-wide area from about 25 feet bgs to about 30 feet bgs in the eastern part of the site within grid WC03\_25-30 for the elevator pit. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban graded an about 30-foot-long by 30-foot-wide area in the southern part of grids WC02 and WC03 to prepare for equipment mobilization.
- Graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.

**Material Tracking:**

- No soil/fill was exported from the site.
- 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	-	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	Approximate Volume (CY)
	132	2,600	222	4,320	0	-	15	300

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>Stavola Bound Brook / North Shore Terminal</i>	
<b>Location</b>	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>	
<b>Type of Material</b>	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	4	80	3	60

**Samples Collected:**

- No samples were collected

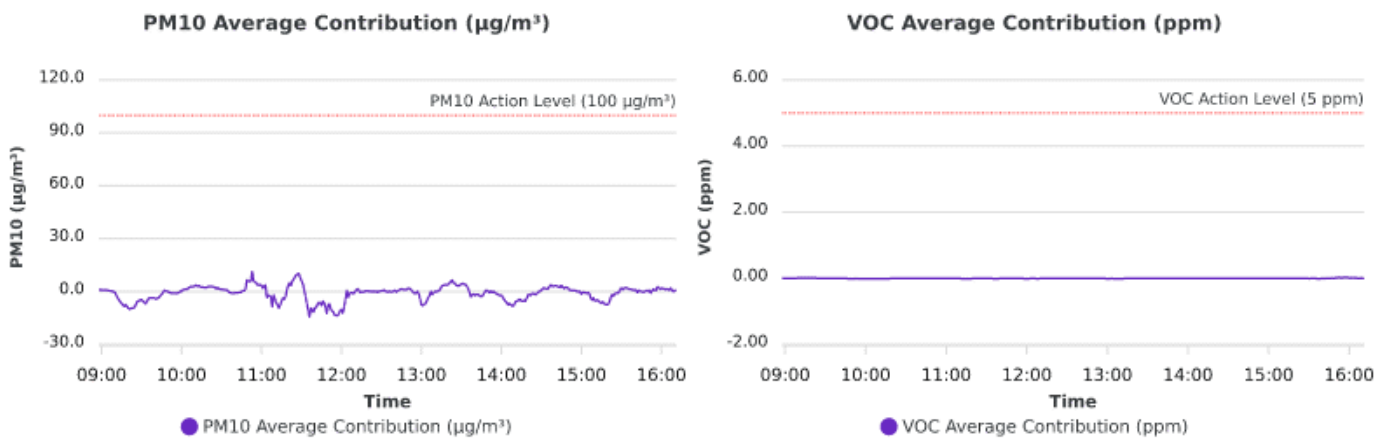
**Air Monitoring:**

The 15-minute average site contributions for particulates and volatile organic compounds (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 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	8.7	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-14.4	VOC Average Site Contribution (Minimum)	-0.01
PM10 Average Site Contribution (Maximum)	11.5	VOC Average Site Contribution (Maximum)	0.03

µg/m<sup>3</sup>: micrograms per cubic meter.

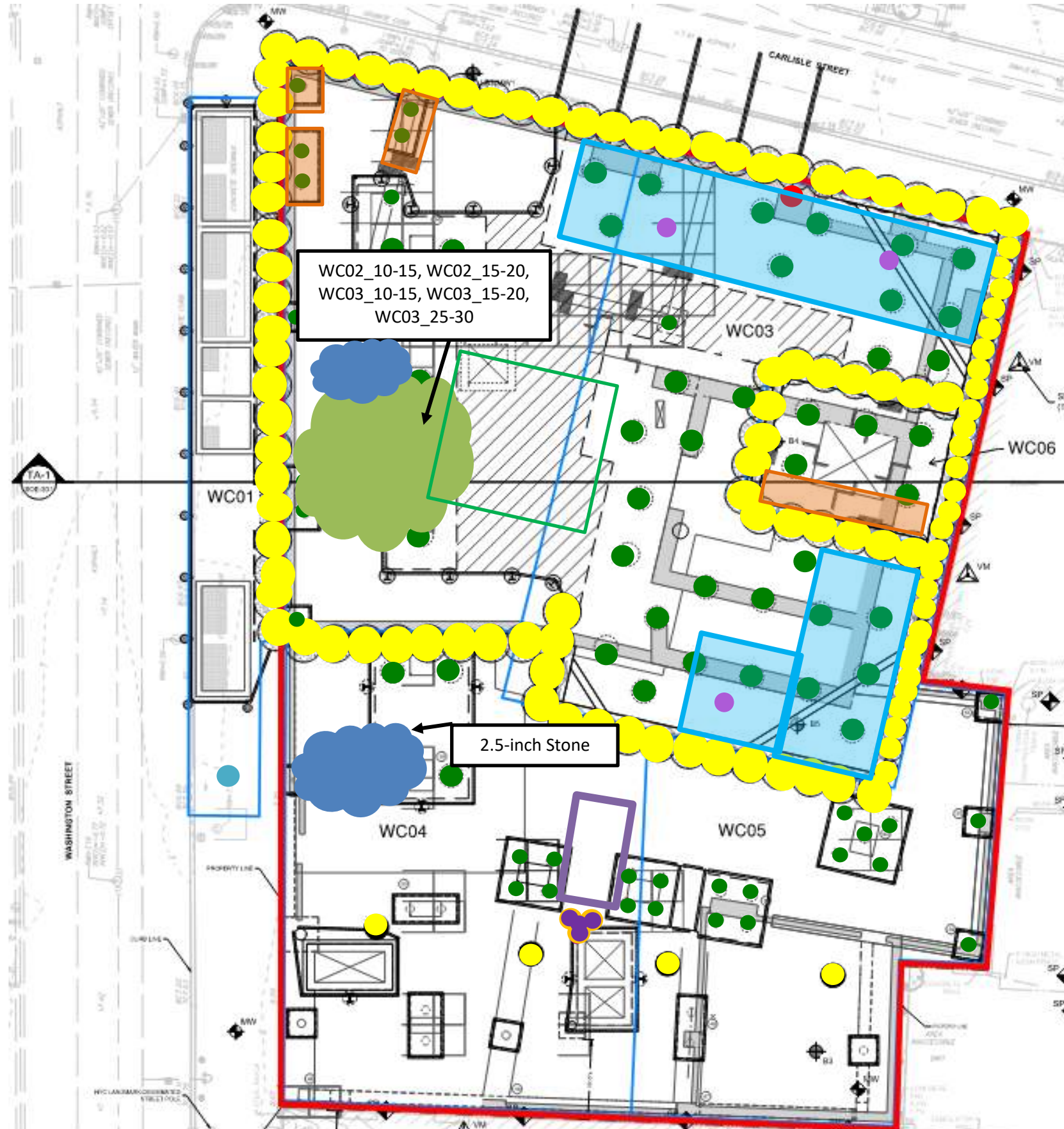
ppm: parts per million.



**Planned Activities:**

- Urban will continue excavation throughout the site to assist in the advancement of caissons, soldier piles and installation of the foundation mat.

**SITE PLAN**



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile - Soil (no impacts)**
- **Stockpile - C&D**
- **Stockpile - Timber Piles**
- 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**

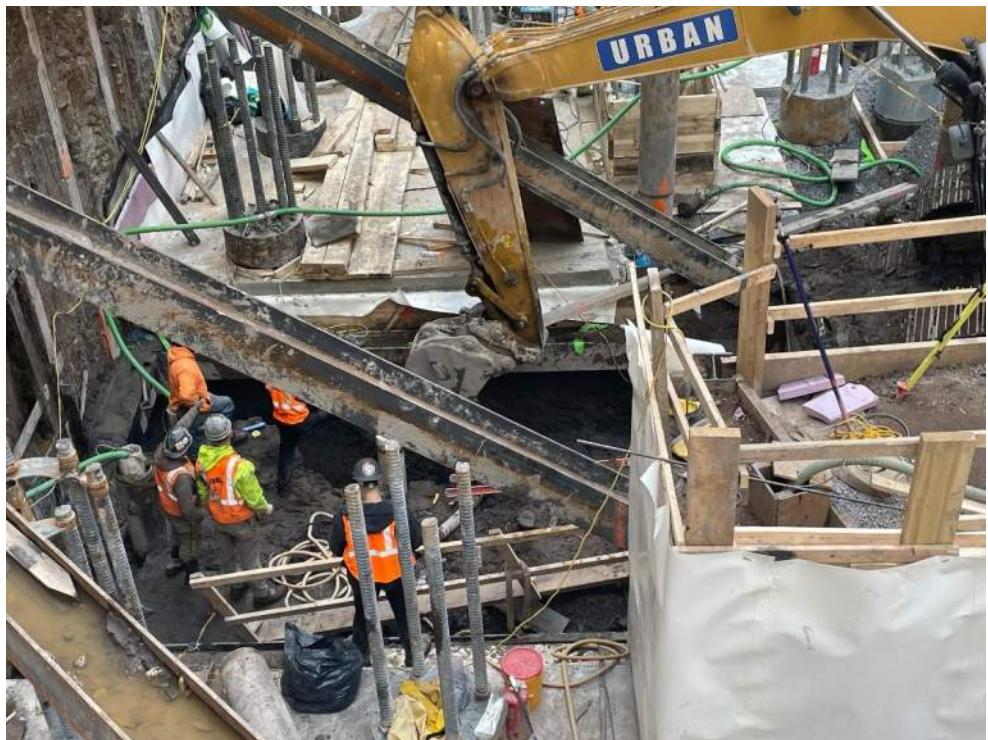
**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

### Photo Log

**Photo 1:** View of Urban excavating soil/fill in WC02\_10-15 (facing southwest).



**Photo 2:** View of Urban excavating soil/fill in WC03\_25-30 (facing south).



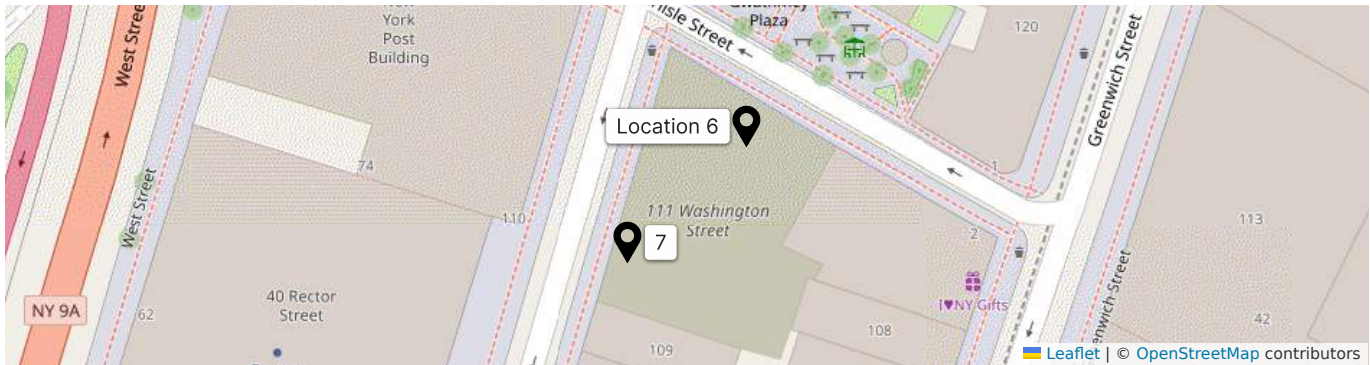
**Photo 3:** View of the site entrance/exit on the corner of Carlisle Street and Washington Street at the end of the workday (facing south).



<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	12/16/2023 06:00
		<b>To:</b>	12/16/2023 19:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

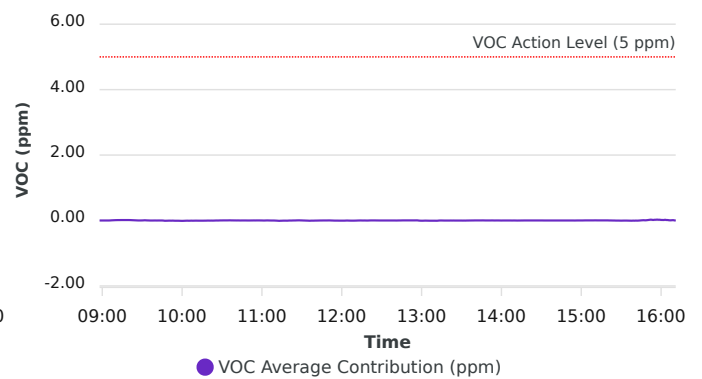
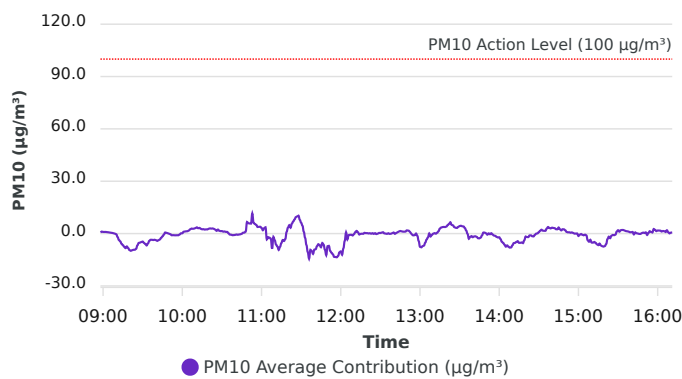
<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
12/16/2023	0.2-3	SE

<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 12/16/2023</b>	-14.4	11:36	-0.01	10:00
<b>Max Contribution (15 min avg.) - 12/16/2023</b>	11.5	10:53	0.03	15:57

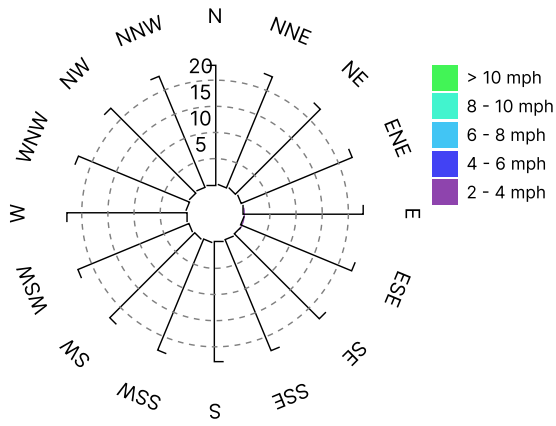


**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**

**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
12/16/2023 08:57:00							1.7	SSE
12/16/2023 08:58:00	8.7	9.4	0.7	0.00	0.00	0.00	1.4	ESE
12/16/2023 08:59:00	8.3	9.4	1.1	0.00	0.00	0.00	1.4	ESE
12/16/2023 09:00:00	8.2	9.1	0.9	0.00	0.00	0.00	1.3	ESE
12/16/2023 09:01:00	8.0	8.9	0.9	0.00	0.00	0.00	1.3	ESE
12/16/2023 09:02:00	8.0	8.9	0.9	0.00	0.00	0.00	1.4	ESE
12/16/2023 09:03:00	7.9	8.7	0.8	0.00	0.00	0.00	1.4	ESE
12/16/2023 09:04:00	7.8	8.6	0.7	0.00	0.00	0.00	1.3	ESE
12/16/2023 09:05:00	7.8	8.4	0.6	0.00	0.00	0.00	1.3	E
12/16/2023 09:06:00	7.8	8.3	0.5	0.00	0.00	0.00	1.2	ESE
12/16/2023 09:07:00	7.8	8.2	0.4	0.00	0.01	0.01	1.2	ESE
12/16/2023 09:08:00	7.9	8.1	0.2	0.00	0.01	0.01	1.3	SE
12/16/2023 09:09:00	8.1	8.0	-0.1	0.00	0.01	0.01	1.3	SE
12/16/2023 09:10:00	8.3	7.9	-0.4	0.00	0.01	0.01	1.3	ESE
12/16/2023 09:11:00	9.9	7.9	-2.0	0.00	0.01	0.01	1.3	SE
12/16/2023 09:12:00	11.6	7.9	-3.7	0.00	0.01	0.01	1.2	ESE
12/16/2023 09:13:00	12.3	7.8	-4.5	0.00	0.01	0.01	1.3	E
12/16/2023 09:14:00	13.6	7.7	-5.9	0.00	0.01	0.01	1.3	E
12/16/2023 09:15:00	14.3	7.7	-6.6	0.00	0.01	0.01	1.3	E
12/16/2023 09:16:00	15.4	7.9	-7.6	0.00	0.01	0.01	1.3	E
12/16/2023 09:17:00	16.5	8.2	-8.3	0.00	0.01	0.01	1.3	ESE
12/16/2023 09:18:00	16.6	9.3	-7.4	0.00	0.01	0.01	1.3	SSE
12/16/2023 09:19:00	17.6	9.3	-8.3	0.00	0.01	0.01	1.3	ESE
12/16/2023 09:20:00	18.8	9.3	-9.5	0.00	0.01	0.01	1.3	ESE
12/16/2023 09:21:00	19.2	9.3	-9.9	0.00	0.01	0.01	1.3	ESE
12/16/2023 09:22:00	19.2	9.7	-9.6	0.00	0.01	0.01	1.3	S
12/16/2023 09:23:00	19.1	9.8	-9.3	0.00	0.01	0.01	1.3	SW
12/16/2023 09:24:00	19.1	9.8	-9.3	0.00	0.01	0.01	1.3	SE
12/16/2023 09:25:00	18.7	10.0	-8.8	0.00	0.01	0.01	1.2	W
12/16/2023 09:26:00	17.2	10.5	-6.7	0.00	0.00	0.00	1.2	SSE
12/16/2023 09:27:00	15.9	10.5	-5.4	0.00	0.00	0.00	1.2	SE
12/16/2023 09:28:00	15.8	10.6	-5.2	0.00	0.00	0.00	1.2	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
12/16/2023 09:29:00	15.4	10.6	-4.8	0.00	0.00	0.00	1.1	ENE
12/16/2023 09:30:00	15.3	10.7	-4.6	0.00	0.00	0.00	1.0	E
12/16/2023 09:31:00	15.9	10.6	-5.4	0.00	0.00	0.00	1.0	E
12/16/2023 09:32:00	16.2	10.2	-6.0	0.00	0.01	0.01	1.0	E
12/16/2023 09:33:00	16.1	9.3	-6.8	0.00	0.01	0.00	1.0	SSW
12/16/2023 09:34:00	15.2	9.6	-5.7	0.01	0.01	0.00	0.9	SSE
12/16/2023 09:35:00	14.2	10.0	-4.2	0.01	0.01	0.00	0.9	SSW
12/16/2023 09:36:00	13.8	10.2	-3.6	0.01	0.01	0.00	0.9	W
12/16/2023 09:37:00	13.9	10.3	-3.6	0.01	0.01	0.00	0.9	W
12/16/2023 09:38:00	14.1	10.4	-3.7	0.01	0.01	0.00	0.9	ENE
12/16/2023 09:39:00	14.1	10.6	-3.5	0.01	0.01	0.00	0.8	E
12/16/2023 09:40:00	14.3	10.5	-3.8	0.01	0.01	0.00	0.8	E
12/16/2023 09:41:00	14.3	10.1	-4.2	0.01	0.01	0.00	0.8	SSE
12/16/2023 09:42:00	13.8	10.0	-3.8	0.01	0.01	0.00	0.8	ESE
12/16/2023 09:43:00	13.3	9.9	-3.4	0.01	0.01	0.00	0.8	ESE
12/16/2023 09:44:00	12.3	9.9	-2.4	0.01	0.01	0.00	0.9	E
12/16/2023 09:45:00	11.8	10.2	-1.6	0.01	0.01	0.00	0.8	SE
12/16/2023 09:46:00	10.8	10.2	-0.6	0.01	0.01	0.00	0.8	W
12/16/2023 09:47:00	9.7	10.3	0.6	0.01	0.00	-0.01	0.8	SSE
12/16/2023 09:48:00	9.7	10.1	0.4	0.01	0.00	-0.01	0.8	SSW
12/16/2023 09:49:00	9.6	9.8	0.2	0.01	0.00	-0.01	0.9	S
12/16/2023 09:50:00	9.6	9.4	-0.1	0.01	0.01	-0.01	0.9	E
12/16/2023 09:51:00	9.7	9.3	-0.4	0.01	0.01	-0.01	0.9	WSW
12/16/2023 09:52:00	9.9	8.9	-1.0	0.01	0.01	-0.01	0.9	WSW
12/16/2023 09:53:00	9.7	8.8	-0.9	0.01	0.01	0.00	0.9	ESE
12/16/2023 09:54:00	9.6	8.7	-1.0	0.01	0.01	-0.01	0.9	WNW
12/16/2023 09:55:00	9.7	8.7	-1.0	0.01	0.01	-0.01	0.9	NW
12/16/2023 09:56:00	9.7	8.8	-0.9	0.01	0.01	-0.01	0.9	SSW
12/16/2023 09:57:00	9.8	8.8	-1.0	0.01	0.01	-0.01	0.8	E
12/16/2023 09:58:00	9.7	9.2	-0.5	0.01	0.01	-0.01	0.8	WSW
12/16/2023 09:59:00	9.7	9.8	0.1	0.02	0.01	-0.01	0.8	WSW
12/16/2023 10:00:00	9.6	9.8	0.2	0.02	0.01	-0.01	0.8	WSW

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
12/16/2023 10:01:00	8.9	9.9	1.1	0.02	0.01	-0.01	0.9	S
12/16/2023 10:02:00	8.7	9.9	1.2	0.01	0.01	-0.01	0.8	SW
12/16/2023 10:03:00	8.7	10.0	1.3	0.01	0.01	-0.01	0.9	ESE
12/16/2023 10:04:00	8.6	10.0	1.4	0.01	0.01	-0.01	0.8	SSW
12/16/2023 10:05:00	8.5	10.3	1.8	0.01	0.00	-0.01	0.8	S
12/16/2023 10:06:00	8.3	10.8	2.5	0.01	0.00	-0.01	0.8	WSW
12/16/2023 10:07:00	8.1	11.0	2.9	0.01	0.00	-0.01	0.8	SSE
12/16/2023 10:08:00	8.5	11.2	2.7	0.01	0.00	-0.01	0.8	ESE
12/16/2023 10:09:00	8.7	11.6	2.9	0.01	0.00	-0.01	0.8	WSW
12/16/2023 10:10:00	8.7	11.9	3.2	0.01	0.00	-0.01	0.8	S
12/16/2023 10:11:00	8.8	12.4	3.6	0.01	0.00	-0.01	0.8	SW
12/16/2023 10:12:00	9.5	12.6	3.1	0.01	0.00	-0.01	0.8	SE
12/16/2023 10:13:00	9.6	12.8	3.3	0.01	0.00	-0.01	0.8	S
12/16/2023 10:14:00	9.8	12.6	2.8	0.01	0.00	-0.01	0.8	SSW
12/16/2023 10:15:00	9.9	12.3	2.4	0.01	0.00	-0.01	0.8	W
12/16/2023 10:16:00	10.0	12.5	2.5	0.01	0.00	-0.01	0.8	WSW
12/16/2023 10:17:00	10.3	12.7	2.3	0.01	0.00	-0.01	0.8	E
12/16/2023 10:18:00	10.4	12.8	2.4	0.01	0.00	-0.01	0.7	E
12/16/2023 10:19:00	10.6	13.0	2.4	0.01	0.00	0.00	0.7	E
12/16/2023 10:20:00	10.8	13.6	2.8	0.01	0.00	0.00	0.7	SSE
12/16/2023 10:21:00	11.0	14.0	3.0	0.01	0.00	0.00	0.7	SSW
12/16/2023 10:22:00	11.2	14.0	2.9	0.01	0.00	0.00	0.7	SE
12/16/2023 10:23:00	11.1	14.0	2.9	0.01	0.00	0.00	0.7	SSE
12/16/2023 10:24:00	11.1	13.8	2.7	0.01	0.00	0.00	0.7	ESE
12/16/2023 10:25:00	11.3	13.5	2.2	0.01	0.01	0.00	0.7	ESE
12/16/2023 10:26:00	11.5	13.0	1.6	0.01	0.01	0.00	0.7	ESE
12/16/2023 10:27:00	10.8	13.1	2.3	0.01	0.01	0.00	0.7	SSW
12/16/2023 10:28:00	10.9	12.5	1.6	0.01	0.01	0.00	0.8	E
12/16/2023 10:29:00	10.9	12.3	1.4	0.01	0.01	0.00	0.8	E
12/16/2023 10:30:00	10.8	12.3	1.4	0.01	0.01	0.00	0.8	SSE
12/16/2023 10:31:00	10.8	11.9	1.1	0.00	0.01	0.00	0.9	ESE
12/16/2023 10:32:00	10.6	11.8	1.2	0.00	0.01	0.00	0.9	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
12/16/2023 10:33:00	10.6	11.6	1.0	0.00	0.01	0.00	0.9	ESE
12/16/2023 10:34:00	10.6	11.6	1.0	0.00	0.01	0.00	1.0	SE
12/16/2023 10:35:00	10.6	10.8	0.2	0.00	0.01	0.00	1.0	SSW
12/16/2023 10:36:00	10.5	9.9	-0.6	0.00	0.01	0.01	1.0	SE
12/16/2023 10:37:00	10.5	9.8	-0.7	0.00	0.01	0.00	1.1	SSW
12/16/2023 10:38:00	10.6	9.7	-0.9	0.00	0.01	0.00	1.1	SSW
12/16/2023 10:39:00	10.6	9.7	-0.9	0.00	0.01	0.00	1.1	SW
12/16/2023 10:40:00	10.4	9.7	-0.8	0.00	0.01	0.00	1.1	SE
12/16/2023 10:41:00	10.2	9.7	-0.5	0.01	0.01	0.00	1.1	SSE
12/16/2023 10:42:00	10.2	9.5	-0.7	0.00	0.01	0.00	1.1	WSW
12/16/2023 10:43:00	10.0	9.5	-0.5	0.00	0.00	0.00	1.1	E
12/16/2023 10:44:00	9.9	9.4	-0.4	0.00	0.00	0.00	1.1	E
12/16/2023 10:45:00	9.9	9.8	-0.1	0.00	0.00	0.00	1.1	E
12/16/2023 10:46:00	9.8	10.3	0.5	0.00	0.00	0.00	1.0	E
12/16/2023 10:47:00	9.8	10.3	0.6	0.00	0.00	0.00	1.0	E
12/16/2023 10:48:00	9.7	10.8	1.1	0.00	0.00	0.00	1.0	ESE
12/16/2023 10:49:00	9.7	16.3	6.7	0.00	0.00	0.00	1.0	E
12/16/2023 10:50:00	10.3	16.3	5.9	0.00	0.00	0.00	0.9	WSW
12/16/2023 10:51:00	10.6	16.3	5.8	0.00	0.00	0.00	0.9	S
12/16/2023 10:52:00	10.7	16.4	5.7	0.00	0.00	0.00	0.9	SE
12/16/2023 10:53:00	10.4	21.9	11.5	0.00	0.00	0.00	0.9	SE
12/16/2023 10:54:00	16.0	22.1	6.1	0.00	0.00	0.00	0.9	SW
12/16/2023 10:55:00	16.6	22.1	5.5	0.00	0.00	0.00	0.9	W
12/16/2023 10:56:00	17.1	22.1	5.0	0.00	0.00	0.00	0.9	SSW
12/16/2023 10:57:00	18.3	22.1	3.8	0.00	0.00	0.00	0.9	WSW
12/16/2023 10:58:00	18.3	22.2	3.9	0.00	0.00	0.00	0.9	E
12/16/2023 10:59:00	18.4	22.3	3.9	0.00	0.00	0.00	0.9	WSW
12/16/2023 11:00:00	18.7	22.0	3.2	0.00	0.00	0.00	0.9	WSW
12/16/2023 11:01:00	19.6	21.5	1.9	0.00	0.00	0.00	0.8	SSW
12/16/2023 11:02:00	20.1	23.1	3.1	0.00	0.00	0.00	0.8	NW
12/16/2023 11:03:00	20.8	24.4	3.6	0.00	0.00	0.00	0.8	ESE
12/16/2023 11:04:00	22.9	19.5	-3.4	0.00	0.00	0.00	0.8	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
12/16/2023 11:05:00	22.5	20.5	-2.1	0.00	0.00	0.00	0.8	SW
12/16/2023 11:06:00	23.3	20.9	-2.4	0.00	0.00	0.00	0.9	SE
12/16/2023 11:07:00	23.8	20.9	-2.9	0.00	0.00	0.00	0.9	SSE
12/16/2023 11:08:00	24.0	15.3	-8.7	0.01	0.00	0.00	0.9	WSW
12/16/2023 11:09:00	18.4	16.5	-1.9	0.01	0.00	0.00	0.9	E
12/16/2023 11:10:00	20.4	16.6	-3.8	0.01	0.00	0.00	0.9	SSW
12/16/2023 11:11:00	23.2	16.9	-6.3	0.01	0.00	-0.01	0.9	S
12/16/2023 11:12:00	24.3	16.9	-7.4	0.01	0.00	-0.01	0.9	SW
12/16/2023 11:13:00	26.3	16.9	-9.4	0.01	0.00	-0.01	0.9	SW
12/16/2023 11:14:00	26.3	18.7	-7.6	0.01	0.01	-0.01	0.9	ENE
12/16/2023 11:15:00	25.9	20.5	-5.5	0.01	0.01	-0.01	0.9	ENE
12/16/2023 11:16:00	25.1	21.4	-3.7	0.01	0.01	-0.01	0.9	E
12/16/2023 11:17:00	24.8	20.6	-4.3	0.01	0.01	-0.01	0.9	E
12/16/2023 11:18:00	24.4	21.3	-3.1	0.01	0.01	-0.01	0.9	ESE
12/16/2023 11:19:00	22.4	23.3	1.0	0.01	0.01	-0.01	0.8	ESE
12/16/2023 11:20:00	22.3	25.7	3.4	0.01	0.01	0.00	0.8	NE
12/16/2023 11:21:00	22.3	27.1	4.8	0.01	0.01	0.00	0.8	E
12/16/2023 11:22:00	23.8	27.2	3.4	0.01	0.01	0.00	0.8	WSW
12/16/2023 11:23:00	23.9	29.6	5.7	0.01	0.01	0.00	0.8	ESE
12/16/2023 11:24:00	24.7	31.7	7.0	0.01	0.01	0.00	0.8	E
12/16/2023 11:25:00	23.7	31.8	8.1	0.01	0.01	0.00	0.8	S
12/16/2023 11:26:00	22.5	31.9	9.4	0.01	0.01	0.00	0.8	S
12/16/2023 11:27:00	22.1	32.0	9.8	0.01	0.01	0.00	0.8	SW
12/16/2023 11:28:00	21.6	31.8	10.2	0.01	0.01	0.01	0.9	SW
12/16/2023 11:29:00	22.0	29.9	7.8	0.01	0.01	0.00	0.9	SW
12/16/2023 11:30:00	22.0	28.2	6.2	0.01	0.01	0.00	0.9	SE
12/16/2023 11:31:00	22.7	27.2	4.5	0.01	0.01	0.00	1.0	WSW
12/16/2023 11:32:00	25.5	26.5	1.0	0.01	0.01	0.00	1.0	WSW
12/16/2023 11:33:00	26.6	24.2	-2.5	0.01	0.01	0.00	1.0	WSW
12/16/2023 11:34:00	28.1	21.5	-6.6	0.01	0.01	0.00	1.0	SSE
12/16/2023 11:35:00	29.0	18.4	-10.6	0.01	0.01	-0.01	1.0	W
12/16/2023 11:36:00	31.0	16.6	-14.4	0.01	0.00	-0.01	1.1	S

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
12/16/2023 11:37:00	28.7	19.4	-9.3	0.01	0.01	-0.01	1.0	SE
12/16/2023 11:38:00	28.3	18.2	-10.1	0.01	0.01	-0.01	1.0	ENE
12/16/2023 11:39:00	27.3	15.7	-11.7	0.01	0.01	-0.01	1.0	ESE
12/16/2023 11:40:00	25.6	16.4	-9.2	0.01	0.01	0.00	1.0	N
12/16/2023 11:41:00	25.3	16.3	-9.0	0.01	0.01	0.00	1.0	WSW
12/16/2023 11:42:00	24.2	17.0	-7.2	0.01	0.01	0.00	1.0	SW
12/16/2023 11:43:00	23.7	17.6	-6.1	0.01	0.01	0.00	1.0	WSW
12/16/2023 11:44:00	24.7	18.0	-6.7	0.01	0.01	0.00	1.0	W
12/16/2023 11:45:00	25.9	18.1	-7.8	0.01	0.01	0.00	0.9	S
12/16/2023 11:46:00	25.3	19.9	-5.4	0.01	0.01	0.00	0.9	SE
12/16/2023 11:47:00	26.1	19.8	-6.3	0.01	0.01	0.00	0.9	SSE
12/16/2023 11:48:00	29.0	19.8	-9.3	0.01	0.01	0.00	0.9	SSE
12/16/2023 11:49:00	32.1	19.8	-12.4	0.01	0.01	0.00	0.9	WSW
12/16/2023 11:50:00	31.1	23.9	-7.2	0.00	0.01	0.00	0.8	ESE
12/16/2023 11:51:00	31.0	24.0	-7.0	0.00	0.01	0.00	0.8	WSW
12/16/2023 11:52:00	31.2	21.3	-10.0	0.01	0.01	0.00	0.8	WNW
12/16/2023 11:53:00	31.5	20.5	-11.0	0.01	0.00	0.00	0.8	NE
12/16/2023 11:54:00	31.9	20.0	-11.9	0.01	0.00	0.00	0.8	W
12/16/2023 11:55:00	32.5	19.1	-13.4	0.01	0.00	0.00	0.7	SW
12/16/2023 11:56:00	32.5	19.1	-13.4	0.01	0.00	0.00	0.7	WSW
12/16/2023 11:57:00	32.3	18.7	-13.6	0.01	0.00	0.00	0.7	SSE
12/16/2023 11:58:00	32.0	19.2	-12.8	0.01	0.00	-0.01	0.7	SW
12/16/2023 11:59:00	30.8	20.1	-10.7	0.01	0.00	-0.01	0.7	WSW
12/16/2023 12:00:00	30.3	20.1	-10.2	0.01	0.00	-0.01	0.7	ESE
12/16/2023 12:01:00	30.6	18.5	-12.2	0.01	0.00	-0.01	0.7	ESE
12/16/2023 12:02:00	27.1	18.7	-8.5	0.01	0.00	-0.01	0.7	SW
12/16/2023 12:03:00	23.1	19.0	-4.2	0.01	0.00	0.00	0.7	E
12/16/2023 12:04:00	18.6	19.3	0.7	0.01	0.01	0.00	0.7	ESE
12/16/2023 12:05:00	18.6	15.2	-3.4	0.01	0.00	0.00	0.7	SSW
12/16/2023 12:06:00	16.2	15.3	-0.9	0.01	0.00	0.00	0.7	SSE
12/16/2023 12:07:00	16.3	15.6	-0.7	0.01	0.00	-0.01	0.7	WSW
12/16/2023 12:08:00	16.2	15.5	-0.7	0.01	0.00	-0.01	0.7	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
12/16/2023 12:09:00	16.4	15.3	-1.1	0.01	0.01	-0.01	0.7	SE
12/16/2023 12:10:00	15.8	15.5	-0.3	0.01	0.01	0.00	0.7	NW
12/16/2023 12:11:00	14.8	15.7	0.8	0.01	0.01	0.00	0.7	SE
12/16/2023 12:12:00	14.6	16.1	1.5	0.01	0.01	0.00	0.6	ESE
12/16/2023 12:13:00	14.4	15.2	0.8	0.01	0.01	0.00	0.6	ENE
12/16/2023 12:14:00	14.5	13.9	-0.5	0.01	0.01	0.00	0.7	E
12/16/2023 12:15:00	13.9	13.8	-0.2	0.01	0.01	0.00	0.7	SE
12/16/2023 12:16:00	13.6	13.6	-0.1	0.01	0.01	0.00	0.7	WSW
12/16/2023 12:17:00	13.5	13.4	-0.1	0.01	0.01	0.00	0.7	NW
12/16/2023 12:18:00	13.3	13.8	0.4	0.01	0.01	0.00	0.6	ENE
12/16/2023 12:19:00	13.4	13.7	0.2	0.01	0.00	0.00	0.6	ENE
12/16/2023 12:20:00	13.4	13.7	0.3	0.01	0.00	0.00	0.6	S
12/16/2023 12:21:00	13.3	13.4	0.1	0.00	0.00	0.00	0.6	E
12/16/2023 12:22:00	13.0	13.3	0.2	0.00	0.00	0.00	0.6	WSW
12/16/2023 12:23:00	12.9	12.8	-0.1	0.00	0.00	0.00	0.6	W
12/16/2023 12:24:00	12.5	12.7	0.2	0.00	0.00	0.00	0.7	WSW
12/16/2023 12:25:00	12.4	12.3	-0.2	0.00	0.00	0.00	0.7	SE
12/16/2023 12:26:00	11.7	11.9	0.2	0.00	0.00	0.00	0.7	W
12/16/2023 12:27:00	11.2	10.9	-0.3	0.00	0.00	0.00	0.7	WSW
12/16/2023 12:28:00	10.8	10.7	0.0	0.00	0.00	0.00	0.7	WSW
12/16/2023 12:29:00	10.2	10.6	0.4	0.00	0.00	0.00	0.6	NNE
12/16/2023 12:30:00	10.1	10.4	0.3	0.00	0.00	0.00	0.6	WSW
12/16/2023 12:31:00	9.8	10.4	0.6	0.00	0.00	0.00	0.8	ESE
12/16/2023 12:32:00	9.5	10.3	0.8	0.00	0.00	0.00	0.8	ESE
12/16/2023 12:33:00	9.3	9.4	0.1	0.00	0.00	0.00	0.9	E
12/16/2023 12:34:00	9.0	9.0	0.0	0.00	0.00	0.00	0.9	E
12/16/2023 12:35:00	8.7	8.5	-0.2	0.00	0.00	0.00	0.9	ESE
12/16/2023 12:36:00	8.1	8.3	0.2	0.00	0.00	0.00	0.9	ESE
12/16/2023 12:37:00	7.9	7.8	-0.2	0.00	0.00	0.00	0.9	E
12/16/2023 12:38:00	7.8	7.7	-0.1	0.00	0.00	0.00	0.9	NNE
12/16/2023 12:39:00	7.6	7.8	0.3	0.00	0.00	0.00	0.9	E
12/16/2023 12:40:00	7.3	8.0	0.6	0.00	0.00	0.00	0.9	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
12/16/2023 12:41:00	7.9	7.8	-0.1	0.00	0.00	0.00	1.0	WSW
12/16/2023 12:42:00	7.9	8.2	0.3	0.00	0.00	0.00	1.0	E
12/16/2023 12:43:00	7.8	8.5	0.8	0.00	0.00	0.00	1.0	ESE
12/16/2023 12:44:00	7.6	8.8	1.2	0.00	0.00	0.00	1.0	NNE
12/16/2023 12:45:00	7.5	8.9	1.5	0.00	0.00	0.00	1.0	E
12/16/2023 12:46:00	7.6	8.9	1.3	0.00	0.00	0.00	0.8	NE
12/16/2023 12:47:00	7.7	8.8	1.1	0.00	0.00	0.00	0.8	WSW
12/16/2023 12:48:00	7.7	8.8	1.1	0.00	0.00	0.00	0.8	WSW
12/16/2023 12:49:00	7.7	8.8	1.1	0.00	0.00	0.00	0.7	SSE
12/16/2023 12:50:00	7.6	9.5	1.8	0.00	0.00	0.00	0.7	SSW
12/16/2023 12:51:00	7.8	9.5	1.7	0.00	0.00	0.00	0.7	NE
12/16/2023 12:52:00				0.00	0.00	0.00	0.8	ESE
12/16/2023 12:53:00				0.00	0.00	0.00	0.7	WSW
12/16/2023 12:54:00				0.00	0.00	0.00	0.8	NE
12/16/2023 12:55:00	8.3	7.2	-1.0	0.00	0.00	0.00	0.7	ESE
12/16/2023 12:56:00	7.8	7.0	-0.9	0.00	0.00	0.00	0.7	E
12/16/2023 12:57:00	7.3	7.3	0.0	0.00	0.00	0.00	0.7	WSW
12/16/2023 12:58:00	8.3	7.1	-1.3	0.01	0.00	0.00	0.7	ENE
12/16/2023 12:59:00	11.3	7.0	-4.3	0.01	0.00	-0.01	0.7	SE
12/16/2023 13:00:00	14.6	7.0	-7.6	0.01	0.00	-0.01	0.8	E
12/16/2023 13:01:00	14.9	7.0	-7.9	0.01	0.00	-0.01	0.8	NE
12/16/2023 13:02:00	14.2	7.0	-7.2	0.01	0.01	-0.01	0.7	E
12/16/2023 13:03:00	13.7	6.8	-6.9	0.01	0.01	0.00	0.7	ESE
12/16/2023 13:04:00	12.9	7.7	-5.2	0.01	0.01	-0.01	0.7	SSE
12/16/2023 13:05:00	12.2	8.8	-3.4	0.01	0.01	-0.01	0.7	SSW
12/16/2023 13:06:00	11.6	9.3	-2.2	0.01	0.01	-0.01	0.7	WSW
12/16/2023 13:07:00	11.0	11.1	0.1	0.01	0.01	-0.01	0.7	S
12/16/2023 13:08:00	12.3	10.6	-1.7	0.01	0.01	-0.01	0.7	SE
12/16/2023 13:09:00	11.8	11.0	-0.8	0.01	0.01	-0.01	0.7	W
12/16/2023 13:10:00	11.6	11.5	-0.1	0.01	0.01	-0.01	0.7	SW
12/16/2023 13:11:00	11.4	11.6	0.2	0.01	0.01	-0.01	0.7	WSW
12/16/2023 13:12:00	11.6	11.5	-0.1	0.01	0.01	-0.01	0.7	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
12/16/2023 13:13:00	11.1	11.6	0.5	0.01	0.01	0.00	0.7	NW
12/16/2023 13:14:00	10.2	11.5	1.3	0.00	0.00	0.00	0.7	ESE
12/16/2023 13:15:00	8.7	11.5	2.8	0.00	0.00	0.00	0.7	E
12/16/2023 13:16:00	8.1	11.5	3.4	0.00	0.00	0.00	0.7	E
12/16/2023 13:17:00	7.9	11.6	3.7	0.00	0.00	0.00	0.8	WSW
12/16/2023 13:18:00	7.8	11.6	3.8	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:19:00	7.8	11.5	3.7	0.00	0.00	0.00	0.8	W
12/16/2023 13:20:00	7.8	11.8	4.0	0.00	0.00	0.00	0.8	W
12/16/2023 13:21:00	7.8	12.7	4.9	0.00	0.00	0.00	0.8	WSW
12/16/2023 13:22:00	7.9	13.4	5.5	0.00	0.00	0.00	0.8	W
12/16/2023 13:23:00	7.2	13.7	6.5	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:24:00	8.1	13.0	5.0	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:25:00	8.1	12.8	4.7	0.01	0.00	0.00	0.8	W
12/16/2023 13:26:00	8.9	12.6	3.7	0.01	0.00	0.00	0.7	N
12/16/2023 13:27:00	9.3	12.7	3.3	0.01	0.00	0.00	0.7	NE
12/16/2023 13:28:00	9.5	12.7	3.2	0.01	0.00	0.00	0.8	S
12/16/2023 13:29:00	9.5	13.3	3.8	0.01	0.00	0.00	0.7	W
12/16/2023 13:30:00	9.4	13.8	4.3	0.01	0.00	0.00	0.8	SW
12/16/2023 13:31:00	9.4	13.9	4.5	0.01	0.00	0.00	0.7	SW
12/16/2023 13:32:00	9.6	13.8	4.2	0.01	0.00	0.00	0.7	E
12/16/2023 13:33:00	9.7	13.8	4.1	0.01	0.00	0.00	0.7	ENE
12/16/2023 13:34:00	10.0	13.2	3.2	0.00	0.00	0.00	0.7	E
12/16/2023 13:35:00	10.1	11.9	1.7	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:36:00	10.4	10.3	-0.1	0.00	0.00	0.00	0.8	E
12/16/2023 13:37:00	10.6	7.6	-3.0	0.00	0.00	0.00	0.8	NNW
12/16/2023 13:38:00	9.6	7.7	-1.9	0.00	0.00	0.00	0.8	W
12/16/2023 13:39:00	9.1	7.6	-1.5	0.00	0.00	0.00	0.8	E
12/16/2023 13:40:00	9.3	7.2	-2.1	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:41:00	8.8	7.2	-1.6	0.00	0.00	0.00	0.8	SE
12/16/2023 13:42:00	8.7	7.2	-1.6	0.00	0.00	0.00	0.9	E
12/16/2023 13:43:00	8.9	7.0	-1.9	0.00	0.00	0.00	0.9	SE
12/16/2023 13:44:00	9.1	6.4	-2.7	0.00	0.00	0.00	0.9	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
12/16/2023 13:45:00	8.9	6.2	-2.7	0.00	0.00	0.00	0.9	SW
12/16/2023 13:46:00	8.8	6.5	-2.3	0.00	0.00	0.00	0.9	WSW
12/16/2023 13:47:00	8.6	7.6	-1.0	0.00	0.00	0.00	0.9	W
12/16/2023 13:48:00	8.6	9.1	0.6	0.00	0.00	0.00	0.8	WSW
12/16/2023 13:49:00	8.8	9.3	0.6	0.00	0.00	0.00	0.9	ESE
12/16/2023 13:50:00	9.4	9.5	0.1	0.00	0.00	0.00	0.8	ESE
12/16/2023 13:51:00	10.3	9.7	-0.6	0.00	0.00	0.00	0.8	E
12/16/2023 13:52:00	10.2	10.3	0.1	0.00	0.00	0.00	0.8	W
12/16/2023 13:53:00	10.5	10.1	-0.4	0.00	0.00	0.00	0.8	E
12/16/2023 13:54:00	10.3	10.5	0.2	0.00	0.00	0.00	0.8	WSW
12/16/2023 13:55:00	11.2	10.6	-0.6	0.00	0.00	0.00	0.7	NE
12/16/2023 13:56:00	11.9	10.7	-1.1	0.00	0.00	0.00	0.8	E
12/16/2023 13:57:00	12.2	10.9	-1.3	0.00	0.00	0.00	0.7	NE
12/16/2023 13:58:00	12.8	10.9	-1.9	0.00	0.00	0.00	0.7	E
12/16/2023 13:59:00	13.1	10.9	-2.2	0.00	0.00	0.00	0.8	ESE
12/16/2023 14:00:00	13.1	11.0	-2.1	0.00	0.00	0.00	0.8	WSW
12/16/2023 14:01:00	13.6	10.4	-3.2	0.00	0.00	0.00	0.8	E
12/16/2023 14:02:00	14.0	9.3	-4.7	0.00	0.00	0.00	0.8	E
12/16/2023 14:03:00	13.8	8.4	-5.4	0.00	0.00	0.00	0.8	WNW
12/16/2023 14:04:00	14.8	8.4	-6.4	0.00	0.00	0.00	0.8	E
12/16/2023 14:05:00	15.7	8.2	-7.5	0.00	0.00	0.00	0.8	E
12/16/2023 14:06:00	14.8	8.1	-6.8	0.00	0.00	0.00	0.8	E
12/16/2023 14:07:00	15.1	7.6	-7.5	0.00	0.00	0.00	0.7	ENE
12/16/2023 14:08:00	15.5	7.5	-8.0	0.00	0.00	0.00	0.7	NNE
12/16/2023 14:09:00	15.5	7.5	-8.0	0.00	0.00	0.00	0.7	WNW
12/16/2023 14:10:00	14.5	7.8	-6.7	0.00	0.00	0.00	0.7	W
12/16/2023 14:11:00	13.6	8.1	-5.5	0.00	0.00	0.00	0.7	S
12/16/2023 14:12:00	13.3	8.0	-5.3	0.00	0.00	0.00	0.7	E
12/16/2023 14:13:00	12.7	8.0	-4.8	0.00	0.00	0.00	0.7	ENE
12/16/2023 14:14:00	12.3	8.0	-4.4	0.00	0.00	0.00	0.7	ENE
12/16/2023 14:15:00	12.9	7.6	-5.3	0.00	0.00	0.00	0.7	E
12/16/2023 14:16:00	12.9	7.7	-5.3	0.00	0.00	0.00	0.7	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
12/16/2023 14:17:00	12.9	7.8	-5.1	0.00	0.00	0.00	0.8	E
12/16/2023 14:18:00	13.0	7.5	-5.5	0.00	0.00	0.00	0.8	NW
12/16/2023 14:19:00	11.6	7.8	-3.8	0.00	0.00	0.00	0.7	W
12/16/2023 14:20:00	10.0	8.3	-1.7	0.00	0.00	0.00	0.7	W
12/16/2023 14:21:00	10.3	8.3	-2.0	0.00	0.00	0.00	0.7	E
12/16/2023 14:22:00	10.4	8.3	-2.0	0.00	0.00	0.00	0.8	E
12/16/2023 14:23:00	9.8	8.7	-1.1	0.00	0.00	0.00	0.8	WSW
12/16/2023 14:24:00	9.7	8.7	-1.0	0.00	0.00	0.00	0.8	SSE
12/16/2023 14:25:00	9.9	8.3	-1.5	0.00	0.00	0.00	0.9	E
12/16/2023 14:26:00	9.8	8.2	-1.6	0.00	0.00	0.00	0.8	WSW
12/16/2023 14:27:00	9.3	8.5	-0.7	0.00	0.00	0.00	0.8	W
12/16/2023 14:28:00	8.9	8.9	0.0	0.00	0.00	0.00	0.9	W
12/16/2023 14:29:00	8.8	8.9	0.1	0.00	0.00	0.00	0.8	ENE
12/16/2023 14:30:00	8.2	9.1	0.8	0.00	0.00	0.00	0.8	S
12/16/2023 14:31:00	7.7	9.3	1.6	0.00	0.00	0.00	0.8	SSE
12/16/2023 14:32:00	7.3	9.5	2.2	0.00	0.00	0.00	0.8	SW
12/16/2023 14:33:00	7.5	9.2	1.7	0.00	0.00	0.00	0.8	ENE
12/16/2023 14:34:00	7.5	9.1	1.6	0.00	0.00	0.00	0.7	NW
12/16/2023 14:35:00	7.5	9.1	1.6	0.00	0.00	0.00	0.7	W
12/16/2023 14:36:00	6.9	9.8	2.9	0.00	0.00	0.00	0.7	WSW
12/16/2023 14:37:00	6.6	10.3	3.8	0.00	0.00	0.00	0.7	W
12/16/2023 14:38:00	6.9	10.1	3.2	0.00	0.00	0.00	0.6	N
12/16/2023 14:39:00	7.0	9.9	3.0	0.00	0.00	0.00	0.6	W
12/16/2023 14:40:00	6.8	10.2	3.4	0.00	0.00	0.00	0.6	WSW
12/16/2023 14:41:00	6.8	10.0	3.2	0.00	0.00	0.00	0.7	SSW
12/16/2023 14:42:00	6.8	9.9	3.1	0.00	0.00	0.00	0.7	WNW
12/16/2023 14:43:00	7.0	9.5	2.5	0.00	0.00	0.00	0.7	NNE
12/16/2023 14:44:00	7.1	9.5	2.5	0.00	0.00	0.00	0.7	E
12/16/2023 14:45:00	7.1	10.5	3.5	0.00	0.00	0.00	0.7	W
12/16/2023 14:46:00	7.7	10.2	2.4	0.00	0.00	0.00	0.7	E
12/16/2023 14:47:00	8.0	9.8	1.8	0.00	0.00	0.00	0.6	E
12/16/2023 14:48:00	7.7	10.2	2.5	0.00	0.00	0.00	0.6	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
12/16/2023 14:49:00	7.9	10.3	2.4	0.00	0.00	0.00	0.6	W
12/16/2023 14:50:00	8.1	10.0	1.9	0.00	0.00	0.00	0.6	NE
12/16/2023 14:51:00	8.4	9.4	1.0	0.00	0.00	0.00	0.6	NNE
12/16/2023 14:52:00	8.4	9.1	0.7	0.00	0.00	0.00	0.6	NW
12/16/2023 14:53:00	8.4	9.1	0.8	0.00	0.00	0.00	0.6	E
12/16/2023 14:54:00	8.5	9.0	0.5	0.00	0.00	0.00	0.6	ENE
12/16/2023 14:55:00	8.6	9.2	0.7	0.00	0.00	0.00	0.6	W
12/16/2023 14:56:00	8.8	9.1	0.3	0.00	0.00	0.00	0.5	ESE
12/16/2023 14:57:00	9.0	8.9	0.0	0.00	0.00	0.00	0.5	NE
12/16/2023 14:58:00	9.0	9.0	0.0	0.00	0.00	0.00	0.5	E
12/16/2023 14:59:00	9.0	9.0	0.1	0.00	0.00	0.00	0.5	NE
12/16/2023 15:00:00	9.2	7.8	-1.4	0.00	0.00	0.00	0.5	E
12/16/2023 15:01:00	8.6	8.0	-0.6	0.00	0.00	0.00	0.5	E
12/16/2023 15:02:00	8.4	8.2	-0.3	0.00	0.00	0.00	0.5	NNE
12/16/2023 15:03:00	8.5	7.8	-0.7	0.00	0.00	0.00	0.5	NNW
12/16/2023 15:04:00	8.5	7.5	-1.0	0.00	0.00	0.00	0.5	NNW
12/16/2023 15:05:00	8.2	7.6	-0.6	0.00	0.00	0.00	0.5	WSW
12/16/2023 15:06:00	8.5	7.5	-1.0	0.00	0.01	0.00	0.5	ENE
12/16/2023 15:07:00	11.0	7.2	-3.8	0.00	0.01	0.00	0.6	ESE
12/16/2023 15:08:00	11.8	7.1	-4.7	0.00	0.01	0.00	0.6	E
12/16/2023 15:09:00	11.6	8.0	-3.6	0.00	0.01	0.00	0.6	SW
12/16/2023 15:10:00	12.8	7.7	-5.2	0.00	0.01	0.00	0.6	ESE
12/16/2023 15:11:00	12.9	7.7	-5.2	0.00	0.01	0.00	0.6	NE
12/16/2023 15:12:00	12.8	8.0	-4.8	0.00	0.00	0.00	0.6	WSW
12/16/2023 15:13:00	13.3	8.0	-5.3	0.00	0.00	0.00	0.6	E
12/16/2023 15:14:00	14.1	7.9	-6.2	0.00	0.01	0.00	0.6	ESE
12/16/2023 15:15:00	14.5	7.9	-6.6	0.00	0.01	0.00	0.6	SE
12/16/2023 15:16:00	14.4	8.7	-5.7	0.00	0.01	0.00	0.6	SSE
12/16/2023 15:17:00	15.6	8.8	-6.8	0.00	0.00	0.00	0.6	NE
12/16/2023 15:18:00	16.3	9.1	-7.3	0.00	0.00	0.00	0.6	E
12/16/2023 15:19:00	16.7	9.2	-7.5	0.00	0.00	0.00	0.6	E
12/16/2023 15:20:00	16.8	9.7	-7.2	0.00	0.00	0.00	0.6	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
12/16/2023 15:21:00	16.4	10.4	-6.0	0.00	0.00	0.00	0.6	S
12/16/2023 15:22:00	13.9	10.8	-3.1	0.00	0.00	0.00	0.6	WNW
12/16/2023 15:23:00	13.1	11.3	-1.8	0.00	0.00	0.00	0.5	SW
12/16/2023 15:24:00	13.1	10.4	-2.6	0.00	0.00	0.00	0.5	SSE
12/16/2023 15:25:00	11.8	10.5	-1.2	0.01	0.00	0.00	0.5	WSW
12/16/2023 15:26:00	11.4	10.6	-0.8	0.01	0.00	0.00	0.5	WNW
12/16/2023 15:27:00	11.5	10.6	-0.9	0.01	0.00	0.00	0.5	SSW
12/16/2023 15:28:00	11.2	10.6	-0.6	0.01	0.00	0.00	0.5	E
12/16/2023 15:29:00	10.3	11.5	1.2	0.01	0.00	0.00	0.5	NW
12/16/2023 15:30:00	9.8	11.7	1.9	0.01	0.00	-0.01	0.5	SW
12/16/2023 15:31:00	10.0	11.1	1.1	0.01	0.00	0.00	0.5	ENE
12/16/2023 15:32:00	9.1	11.0	1.9	0.01	0.00	0.00	0.5	E
12/16/2023 15:33:00	8.7	10.8	2.1	0.01	0.00	0.00	0.5	E
12/16/2023 15:34:00	8.7	10.7	2.0	0.01	0.00	0.00	0.5	NNE
12/16/2023 15:35:00	8.6	10.3	1.7	0.01	0.00	0.00	0.5	WSW
12/16/2023 15:36:00	8.6	9.9	1.4	0.01	0.00	-0.01	0.6	W
12/16/2023 15:37:00	8.5	9.8	1.3	0.01	0.00	-0.01	0.6	W
12/16/2023 15:38:00	8.4	9.6	1.1	0.01	0.00	-0.01	0.5	WSW
12/16/2023 15:39:00	8.6	9.3	0.8	0.01	0.01	0.00	0.5	ESE
12/16/2023 15:40:00	8.6	9.3	0.8	0.01	0.01	-0.01	0.5	SSE
12/16/2023 15:41:00	8.7	9.7	0.9	0.01	0.01	0.00	0.6	ESE
12/16/2023 15:42:00	10.1	9.6	-0.5	0.01	0.01	-0.01	0.6	S
12/16/2023 15:43:00	9.8	10.5	0.7	0.01	0.01	0.00	0.6	ESE
12/16/2023 15:44:00	10.0	10.2	0.2	0.01	0.01	0.00	0.6	NNW
12/16/2023 15:45:00	10.1	10.1	0.0	0.01	0.01	0.00	0.5	ESE
12/16/2023 15:46:00	10.1	9.9	-0.2	0.01	0.02	0.01	0.5	E
12/16/2023 15:47:00	9.9	9.7	-0.2	0.01	0.02	0.01	0.5	ESE
12/16/2023 15:48:00	9.5	9.8	0.3	0.01	0.02	0.01	0.5	WSW
12/16/2023 15:49:00	9.2	9.8	0.6	0.01	0.02	0.01	0.5	N
12/16/2023 15:50:00	9.3	9.7	0.3	0.01	0.03	0.01	0.5	ENE
12/16/2023 15:51:00	9.5	10.2	0.7	0.01	0.03	0.02	0.5	ESE
12/16/2023 15:52:00	11.0	10.2	-0.8	0.01	0.04	0.03	0.6	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
12/16/2023 15:53:00	11.1	11.5	0.4	0.01	0.04	0.02	0.6	WSW
12/16/2023 15:54:00	11.0	12.4	1.4	0.02	0.03	0.02	0.6	SSW
12/16/2023 15:55:00	11.4	12.4	0.9	0.01	0.04	0.02	0.6	SE
12/16/2023 15:56:00	11.6	12.2	0.6	0.01	0.04	0.02	0.6	E
12/16/2023 15:57:00	10.6	13.2	2.6	0.01	0.04	0.03	0.6	E
12/16/2023 15:58:00	10.8	13.0	2.1	0.01	0.04	0.02	0.5	WNW
12/16/2023 15:59:00	11.2	12.6	1.4	0.01	0.04	0.02	0.6	ESE
12/16/2023 16:00:00	11.0	12.8	1.8	0.02	0.03	0.02	0.6	SSE
12/16/2023 16:01:00	11.1	12.8	1.7	0.02	0.03	0.02	0.6	E
12/16/2023 16:02:00	11.2	12.9	1.7	0.02	0.03	0.01	0.6	E
12/16/2023 16:03:00	11.7	12.8	1.2	0.01	0.04	0.02	0.6	ENE
12/16/2023 16:04:00	11.6	13.1	1.5	0.02	0.03	0.01	0.6	SW
12/16/2023 16:05:00	11.7	13.0	1.4	0.02	0.03	0.01	0.6	E
12/16/2023 16:06:00	11.5	12.4	0.9	0.02	0.03	0.01	0.5	W
12/16/2023 16:07:00	10.3	12.2	1.9	0.02	0.02	0.01	0.5	NW
12/16/2023 16:08:00	10.2	10.9	0.8	0.02	0.02	0.01	0.6	WSW
12/16/2023 16:09:00	10.1	10.2	0.1	0.01	0.02	0.01	0.6	W
12/16/2023 16:10:00	9.8	10.3	0.6	0.02	0.02	0.00	0.6	NW
12/16/2023 16:11:00	9.6	10.2	0.6	0.02	0.02	0.00	0.6	NW