

**DAILY FIELD REPORT 153**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	December 27, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 4:00 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban excavated an about 8-foot-long by 10-foot-wide area around existing caissons from about 10 feet below grade surface (bgs) to about 15 feet bgs in the western part of grid WC03\_10-15 and an about 15-foot-long by 5-foot-wide area around existing caissons from about 15 feet bgs to about 18 feet bgs in the central part of grid WC03\_15-20 for the installation of timber lagging. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban graded an about 60-foot-long by 35-foot-wide area in the southern part of grids WC02 and WC03 to prepare for equipment mobilization.
- Excavated and 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.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the western part of the site. Waterproofing/vapor barrier 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:
  - 3 loads of soil/fill from waste characterization grids WC02\_10-15, WC02\_15-20, WC02\_20-25, WC03\_15-20, WC03\_20-25, WC03\_25-30, WC06\_30-35, and WC06\_35-40 were 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	-	3	60	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)
	136	2,720	246	4,920	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.

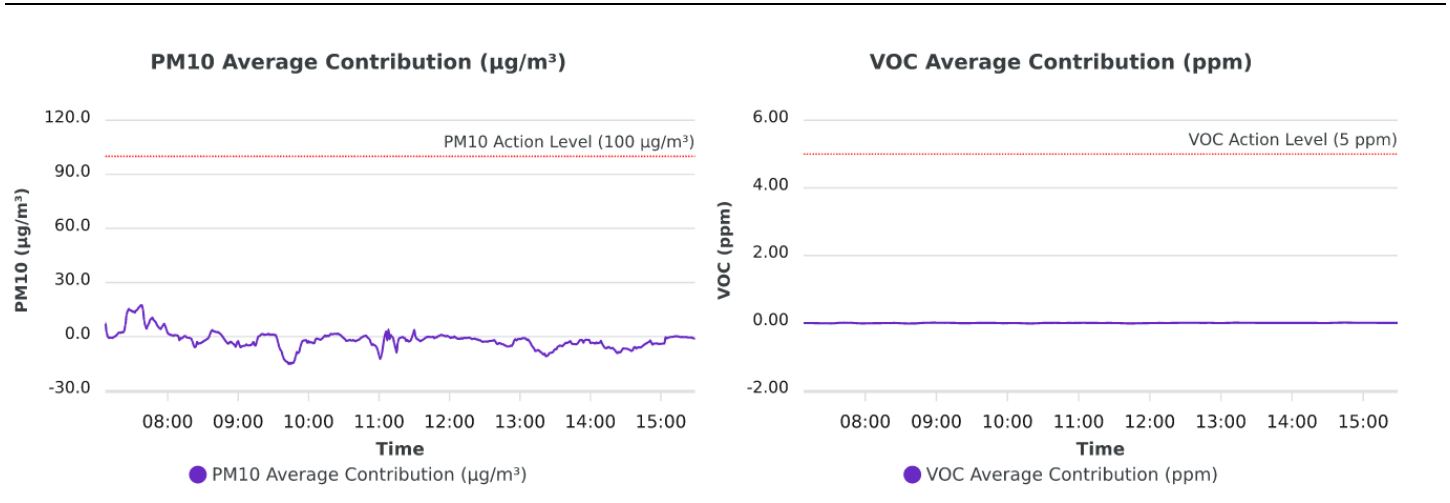
**Air Monitoring:**

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  $\mu\text{g}/\text{m}^3$  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  $\mu\text{g}/\text{m}^3$  or 5 ppm, respectively, on this day.

Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	70.7	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-15.2	VOC Average Site Contribution (Minimum)	-0.01
PM10 Average Site Contribution (Maximum)	17.5	VOC Average Site Contribution (Maximum)	0.01

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

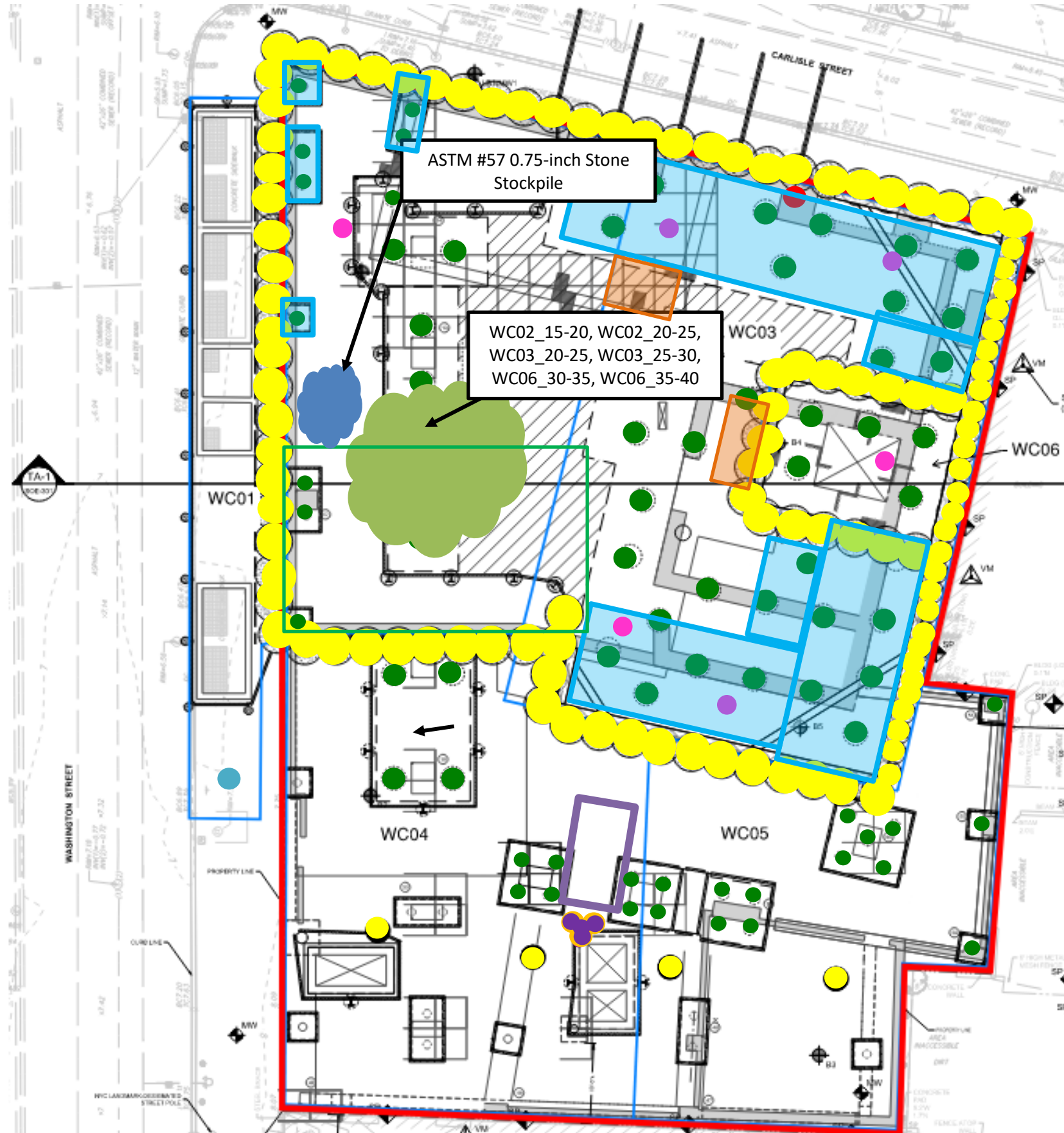
ppm: parts per million.



**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**

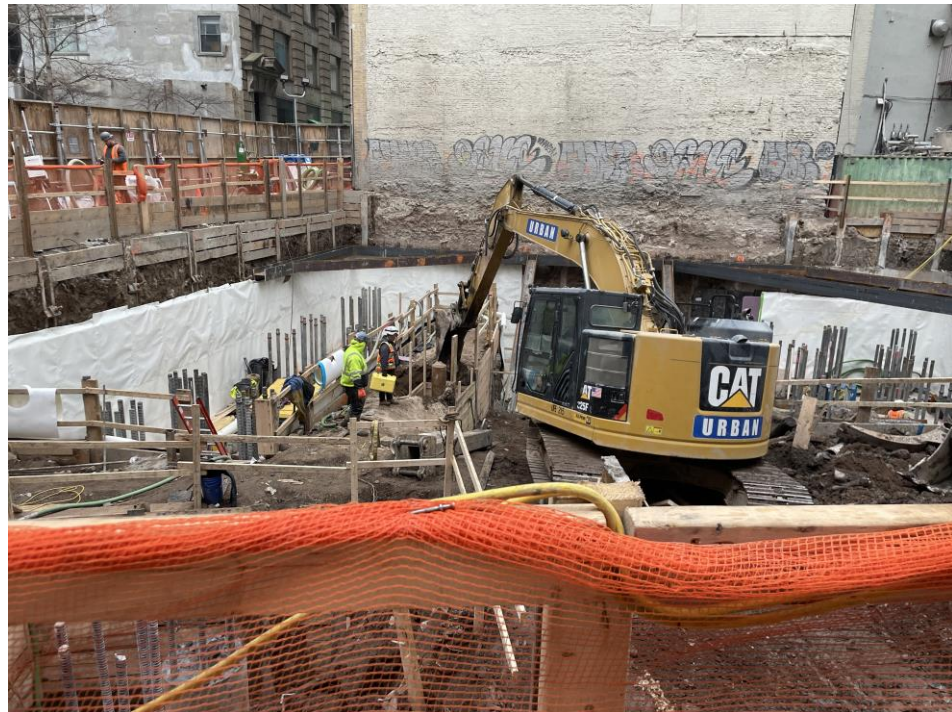
**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

### Photo Log

**Photo 1:** View of Urban loading a truck with soil/fill for off-site disposal (facing south).



**Photo 2:** View of Urban excavating soil/fill in WC03\_10-15 (facing northeast).



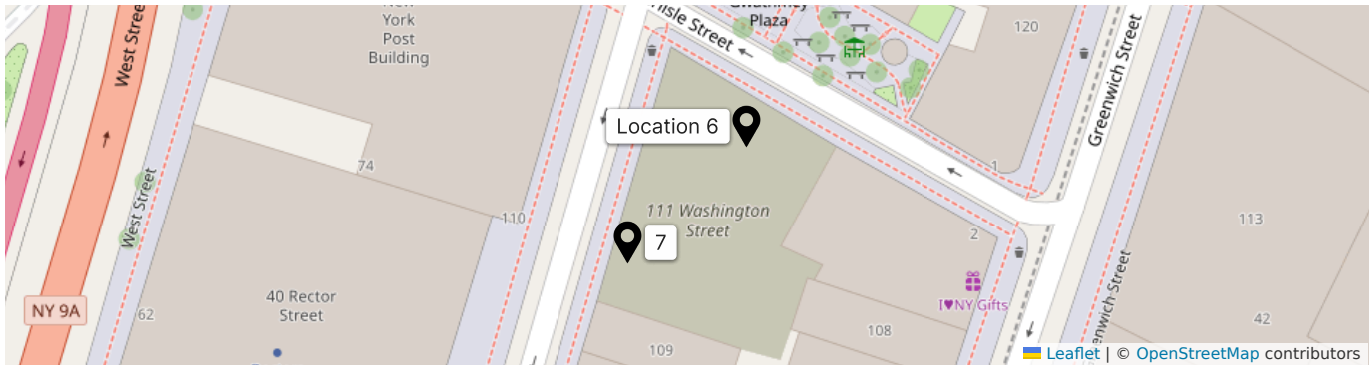
**Photo 3:** View of the site entrance/exit on the corner of Carlisle Street and Washington Street at the end of the workday (facing southeast).



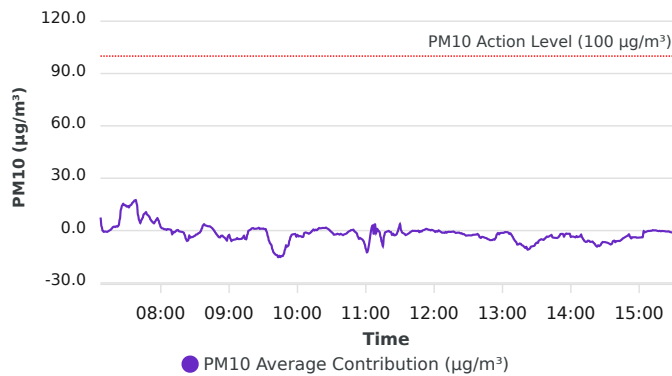
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	12/27/2023 06:00
		<b>To:</b>	12/27/2023 19:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
12/27/2023	0.2-1.5	ESE

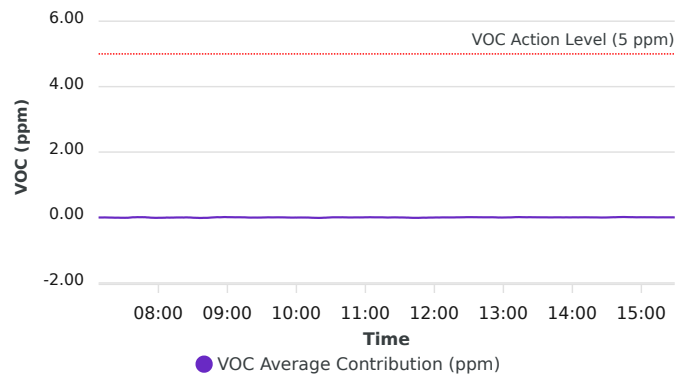
<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 12/27/2023</b>	-15.2	09:43	-0.01	08:36
<b>Max Contribution (15 min avg.) - 12/27/2023</b>	17.5	07:38	0.01	14:44



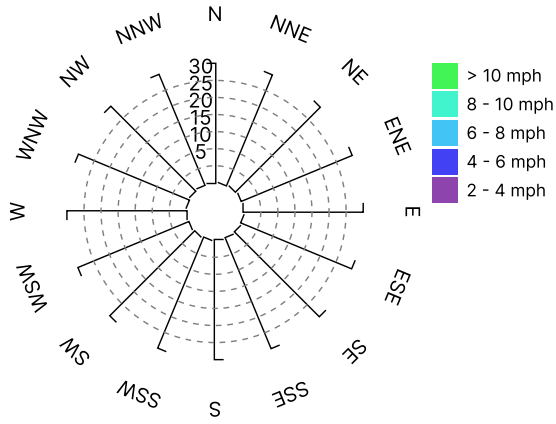
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
12/27/2023 07:07:00	70.7	78.2	7.5				0.6	WSW
12/27/2023 07:08:00	69.3	71.6	2.3	0.00	0.00	0.00	0.6	WSW
12/27/2023 07:09:00	66.5	66.4	-0.1	0.00	0.00	0.00	0.6	WNW
12/27/2023 07:10:00	63.6	62.8	-0.8	0.00	0.00	0.00	0.5	W
12/27/2023 07:11:00	60.8	60.3	-0.5	0.00	0.00	0.00	0.5	ESE
12/27/2023 07:12:00	58.8	58.1	-0.6	0.00	0.00	0.00	0.5	ESE
12/27/2023 07:13:00	57.0	56.3	-0.7	0.00	0.00	0.00	0.6	SE
12/27/2023 07:14:00	55.3	55.0	-0.3	0.00	0.00	0.00	0.6	SSW
12/27/2023 07:15:00	53.8	53.9	0.1	0.00	0.00	0.00	0.6	S
12/27/2023 07:16:00	52.5	53.0	0.5	0.00	0.00	0.00	0.6	W
12/27/2023 07:17:00	51.3	52.5	1.2	0.00	0.00	0.00	0.6	WSW
12/27/2023 07:18:00	50.4	52.4	2.0	0.00	0.00	0.00	0.6	WSW
12/27/2023 07:19:00	49.7	52.0	2.3	0.00	0.00	0.00	0.6	W
12/27/2023 07:20:00	49.6	51.6	2.0	0.01	0.00	0.00	0.6	WSW
12/27/2023 07:21:00	48.9	51.3	2.5	0.01	0.00	-0.01	0.6	WSW
12/27/2023 07:22:00	47.0	49.3	2.3	0.01	0.00	-0.01	0.6	WSW
12/27/2023 07:23:00	45.0	48.0	3.0	0.01	0.00	-0.01	0.6	SW
12/27/2023 07:24:00	43.5	49.9	6.5	0.01	0.01	-0.01	0.6	W
12/27/2023 07:25:00	42.7	54.9	12.2	0.01	0.01	-0.01	0.6	WSW
12/27/2023 07:26:00	42.0	56.4	14.3	0.01	0.01	-0.01	0.7	WSW
12/27/2023 07:27:00	41.3	56.7	15.3	0.01	0.01	-0.01	0.7	WSW
12/27/2023 07:28:00	41.8	56.3	14.5	0.01	0.01	-0.01	0.7	ESE
12/27/2023 07:29:00	42.4	56.9	14.5	0.02	0.01	-0.01	0.7	NW
12/27/2023 07:30:00	43.4	57.2	13.8	0.02	0.01	-0.01	0.7	W
12/27/2023 07:31:00	44.0	58.0	14.0	0.02	0.01	-0.01	0.7	WSW
12/27/2023 07:32:00	45.1	58.4	13.3	0.02	0.01	-0.01	0.7	ENE
12/27/2023 07:33:00	45.6	60.0	14.4	0.02	0.01	-0.01	0.7	WSW
12/27/2023 07:34:00	45.6	60.4	14.8	0.02	0.01	-0.01	0.7	WSW
12/27/2023 07:35:00	45.0	60.8	15.8	0.02	0.02	0.00	0.7	WSW
12/27/2023 07:36:00	44.8	61.2	16.5	0.02	0.02	0.00	0.7	W
12/27/2023 07:37:00	44.4	61.7	17.3	0.02	0.02	0.00	0.7	WSW
12/27/2023 07:38:00	44.5	62.0	17.5	0.02	0.03	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
12/27/2023 07:39:00	44.5	59.7	15.1	0.02	0.02	0.01	0.7	W
12/27/2023 07:40:00	45.0	53.8	8.8	0.02	0.02	0.01	0.7	E
12/27/2023 07:41:00	45.6	51.5	5.9	0.01	0.02	0.01	0.7	NNW
12/27/2023 07:42:00	46.2	50.5	4.3	0.01	0.02	0.01	0.6	E
12/27/2023 07:43:00	45.3	51.4	6.1	0.01	0.02	0.01	0.6	WSW
12/27/2023 07:44:00	44.5	51.7	7.2	0.01	0.02	0.01	0.6	S
12/27/2023 07:45:00	43.4	52.7	9.3	0.01	0.02	0.01	0.6	WSW
12/27/2023 07:46:00	42.8	52.7	9.9	0.01	0.02	0.01	0.6	SW
12/27/2023 07:47:00	41.9	52.4	10.6	0.01	0.02	0.01	0.5	W
12/27/2023 07:48:00	41.5	50.7	9.2	0.01	0.02	0.01	0.5	WSW
12/27/2023 07:49:00	41.8	50.4	8.6	0.01	0.02	0.01	0.5	WSW
12/27/2023 07:50:00	42.3	50.1	7.8	0.01	0.01	0.00	0.5	W
12/27/2023 07:51:00	43.2	49.5	6.3	0.01	0.01	0.00	0.5	NE
12/27/2023 07:52:00	43.7	49.1	5.4	0.01	0.01	0.00	0.5	W
12/27/2023 07:53:00	44.3	49.0	4.7	0.01	0.01	-0.01	0.5	W
12/27/2023 07:54:00	44.9	49.0	4.1	0.01	0.01	-0.01	0.5	W
12/27/2023 07:55:00	44.6	49.8	5.2	0.01	0.01	-0.01	0.5	WNW
12/27/2023 07:56:00	44.4	50.6	6.2	0.01	0.01	-0.01	0.5	W
12/27/2023 07:57:00	44.4	51.5	7.1	0.01	0.00	-0.01	0.5	W
12/27/2023 07:58:00	45.6	51.4	5.8	0.01	0.00	-0.01	0.5	W
12/27/2023 07:59:00	47.1	50.9	3.8	0.01	0.00	-0.01	0.5	WSW
12/27/2023 08:00:00	48.1	50.0	1.9	0.01	0.01	-0.01	0.5	ENE
12/27/2023 08:01:00	48.4	49.7	1.3	0.01	0.01	-0.01	0.5	WSW
12/27/2023 08:02:00	48.5	49.7	1.2	0.01	0.01	-0.01	0.5	W
12/27/2023 08:03:00	48.9	49.7	0.8	0.01	0.01	-0.01	0.5	W
12/27/2023 08:04:00	48.9	49.7	0.8	0.01	0.01	-0.01	0.5	WSW
12/27/2023 08:05:00	49.3	49.7	0.4	0.01	0.01	-0.01	0.5	WSW
12/27/2023 08:06:00	49.0	49.9	0.8	0.01	0.01	-0.01	0.5	E
12/27/2023 08:07:00	49.0	49.8	0.8	0.01	0.01	0.00	0.5	SE
12/27/2023 08:08:00	48.8	49.5	0.6	0.01	0.01	0.00	0.5	WSW
12/27/2023 08:09:00	48.7	49.1	0.4	0.01	0.01	0.00	0.5	WNW
12/27/2023 08:10:00	50.7	48.7	-2.0	0.01	0.01	-0.01	0.5	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
12/27/2023 08:11:00	50.4	49.5	-0.8	0.01	0.01	0.00	0.5	ENE
12/27/2023 08:12:00	49.8	48.8	-1.0	0.01	0.01	0.00	0.5	W
12/27/2023 08:13:00	48.6	48.1	-0.5	0.01	0.01	0.00	0.5	W
12/27/2023 08:14:00	47.1	47.3	0.2	0.01	0.01	0.00	0.5	SE
12/27/2023 08:15:00	46.2	46.6	0.3	0.01	0.01	0.00	0.5	E
12/27/2023 08:16:00	46.1	45.7	-0.4	0.01	0.01	0.00	0.5	ENE
12/27/2023 08:17:00	45.8	45.3	-0.6	0.01	0.01	0.00	0.5	W
12/27/2023 08:18:00	45.5	44.8	-0.7	0.01	0.01	0.00	0.5	SE
12/27/2023 08:19:00	45.4	44.6	-0.8	0.01	0.01	0.00	0.5	W
12/27/2023 08:20:00	45.0	43.9	-1.1	0.01	0.01	0.00	0.5	NE
12/27/2023 08:21:00	45.8	43.3	-2.5	0.01	0.01	0.00	0.4	E
12/27/2023 08:22:00	47.6	42.9	-4.7	0.01	0.01	0.00	0.4	ENE
12/27/2023 08:23:00	48.6	42.6	-5.9	0.01	0.01	0.00	0.4	ENE
12/27/2023 08:24:00	48.2	42.6	-5.6	0.01	0.01	0.00	0.4	WSW
12/27/2023 08:25:00	45.7	42.8	-2.9	0.01	0.01	0.00	0.4	WSW
12/27/2023 08:26:00	45.5	41.5	-4.0	0.01	0.01	0.00	0.4	W
12/27/2023 08:27:00	45.3	41.5	-3.8	0.01	0.01	0.00	0.4	SSW
12/27/2023 08:28:00	45.2	41.5	-3.7	0.01	0.01	0.00	0.4	W
12/27/2023 08:29:00	45.0	41.7	-3.3	0.01	0.01	0.00	0.4	W
12/27/2023 08:30:00	44.7	41.8	-2.9	0.01	0.01	-0.01	0.4	W
12/27/2023 08:31:00	44.2	41.9	-2.3	0.02	0.01	-0.01	0.4	W
12/27/2023 08:32:00	44.0	41.8	-2.1	0.02	0.01	-0.01	0.4	W
12/27/2023 08:33:00	43.5	42.0	-1.5	0.02	0.01	-0.01	0.4	W
12/27/2023 08:34:00	43.0	41.8	-1.3	0.02	0.01	-0.01	0.5	W
12/27/2023 08:35:00	42.4	42.0	-0.4	0.02	0.00	-0.01	0.5	WNW
12/27/2023 08:36:00	41.0	42.2	1.2	0.02	0.00	-0.01	0.5	WSW
12/27/2023 08:37:00	38.7	41.6	2.9	0.02	0.00	-0.01	0.5	E
12/27/2023 08:38:00	37.6	41.2	3.6	0.02	0.00	-0.01	0.5	E
12/27/2023 08:39:00	37.6	40.6	3.0	0.01	0.00	-0.01	0.5	E
12/27/2023 08:40:00	37.1	39.9	2.8	0.01	0.00	-0.01	0.5	SSW
12/27/2023 08:41:00	36.7	39.2	2.5	0.01	0.00	-0.01	0.6	WSW
12/27/2023 08:42:00	36.1	38.6	2.5	0.01	0.00	-0.01	0.6	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
12/27/2023 08:43:00	35.4	37.9	2.5	0.01	0.01	-0.01	0.6	SSW
12/27/2023 08:44:00	34.9	36.9	2.0	0.01	0.01	-0.01	0.6	ESE
12/27/2023 08:45:00	34.4	35.9	1.4	0.01	0.01	0.00	0.7	E
12/27/2023 08:46:00	34.2	34.9	0.7	0.01	0.01	0.00	0.7	ESE
12/27/2023 08:47:00	34.2	34.0	-0.2	0.01	0.01	0.00	0.7	E
12/27/2023 08:48:00	34.1	32.9	-1.2	0.01	0.01	0.00	0.7	E
12/27/2023 08:49:00	33.9	31.7	-2.2	0.01	0.01	0.01	0.7	E
12/27/2023 08:50:00	33.5	30.6	-3.0	0.01	0.01	0.01	0.8	E
12/27/2023 08:51:00	33.2	29.4	-3.8	0.01	0.01	0.01	0.8	ESE
12/27/2023 08:52:00	32.6	28.7	-3.9	0.01	0.01	0.01	0.8	ESE
12/27/2023 08:53:00	31.2	28.3	-3.0	0.01	0.01	0.01	0.8	WSW
12/27/2023 08:54:00	30.2	27.4	-2.9	0.01	0.01	0.01	0.8	E
12/27/2023 08:55:00	29.9	26.4	-3.6	0.01	0.01	0.01	0.8	E
12/27/2023 08:56:00	29.6	25.5	-4.1	0.00	0.01	0.01	0.8	E
12/27/2023 08:57:00	29.4	24.7	-4.7	0.00	0.01	0.01	0.8	E
12/27/2023 08:58:00	29.6	23.8	-5.7	0.00	0.01	0.01	0.8	ENE
12/27/2023 08:59:00	28.7	25.5	-3.2	0.00	0.01	0.01	0.7	SW
12/27/2023 09:00:00	27.9	25.4	-2.5	0.00	0.01	0.01	0.7	W
12/27/2023 09:01:00	29.2	24.8	-4.5	0.00	0.01	0.01	0.7	E
12/27/2023 09:02:00	30.1	24.1	-6.0	0.00	0.01	0.01	0.7	ENE
12/27/2023 09:03:00	29.1	23.6	-5.5	0.00	0.01	0.01	0.7	NNE
12/27/2023 09:04:00	28.3	23.0	-5.2	0.00	0.01	0.01	0.6	ENE
12/27/2023 09:05:00	27.5	22.4	-5.2	0.00	0.01	0.01	0.6	ESE
12/27/2023 09:06:00	26.8	21.8	-5.0	0.00	0.01	0.01	0.6	NE
12/27/2023 09:07:00	25.9	21.5	-4.3	0.00	0.01	0.01	0.6	WSW
12/27/2023 09:08:00	25.6	20.7	-4.9	0.00	0.01	0.01	0.5	ENE
12/27/2023 09:09:00	25.1	20.2	-4.9	0.00	0.01	0.01	0.5	N
12/27/2023 09:10:00	24.6	19.8	-4.8	0.00	0.01	0.01	0.5	E
12/27/2023 09:11:00	24.1	19.4	-4.7	0.00	0.01	0.01	0.5	SE
12/27/2023 09:12:00	23.3	19.3	-4.0	0.00	0.01	0.01	0.5	W
12/27/2023 09:13:00	22.2	19.3	-3.0	0.00	0.01	0.01	0.5	WSW
12/27/2023 09:14:00	21.9	17.1	-4.8	0.00	0.01	0.01	0.5	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
12/27/2023 09:15:00	21.7	16.7	-5.0	0.00	0.01	0.01	0.6	WSW
12/27/2023 09:16:00	19.1	16.8	-2.3	0.00	0.01	0.00	0.6	WSW
12/27/2023 09:17:00	16.9	16.8	-0.1	0.01	0.01	0.00	0.6	SW
12/27/2023 09:18:00	16.6	16.8	0.3	0.01	0.01	0.00	0.6	W
12/27/2023 09:19:00	16.3	17.0	0.7	0.01	0.00	0.00	0.6	WSW
12/27/2023 09:20:00	16.0	17.2	1.3	0.01	0.00	0.00	0.6	NW
12/27/2023 09:21:00	15.8	17.3	1.4	0.01	0.00	0.00	0.6	ESE
12/27/2023 09:22:00	16.2	17.2	1.0	0.01	0.00	0.00	0.6	E
12/27/2023 09:23:00	16.3	17.3	1.0	0.01	0.00	0.00	0.6	NNE
12/27/2023 09:24:00	16.4	17.6	1.1	0.01	0.00	0.00	0.6	E
12/27/2023 09:25:00	16.6	17.9	1.2	0.01	0.00	0.00	0.6	E
12/27/2023 09:26:00	16.7	18.3	1.6	0.01	0.00	0.00	0.6	S
12/27/2023 09:27:00	17.5	18.4	0.9	0.01	0.00	0.00	0.6	ESE
12/27/2023 09:28:00	17.9	19.1	1.2	0.01	0.00	0.00	0.6	WSW
12/27/2023 09:29:00	18.3	19.3	1.0	0.01	0.00	0.00	0.7	SSW
12/27/2023 09:30:00	19.0	20.1	1.2	0.01	0.01	0.00	0.6	E
12/27/2023 09:31:00	19.6	20.4	0.8	0.01	0.01	0.00	0.6	E
12/27/2023 09:32:00	19.9	20.8	0.9	0.01	0.01	0.00	0.6	SSW
12/27/2023 09:33:00	21.5	20.8	-0.8	0.00	0.01	0.00	0.6	E
12/27/2023 09:34:00	24.2	20.9	-3.3	0.00	0.01	0.00	0.6	E
12/27/2023 09:35:00	26.9	21.0	-5.9	0.00	0.01	0.01	0.6	SE
12/27/2023 09:36:00	28.7	21.4	-7.3	0.00	0.01	0.01	0.6	E
12/27/2023 09:37:00	29.8	21.6	-8.2	0.00	0.01	0.00	0.6	SE
12/27/2023 09:38:00	32.6	21.8	-10.8	0.00	0.01	0.00	0.6	E
12/27/2023 09:39:00	34.6	22.1	-12.5	0.00	0.01	0.00	0.6	E
12/27/2023 09:40:00	35.6	22.3	-13.3	0.00	0.01	0.00	0.7	E
12/27/2023 09:41:00	36.1	22.2	-13.9	0.00	0.01	0.00	0.7	E
12/27/2023 09:42:00	36.2	22.2	-14.0	0.00	0.01	0.00	0.7	ESE
12/27/2023 09:43:00	36.7	21.4	-15.2	0.00	0.01	0.01	0.7	E
12/27/2023 09:44:00	36.5	22.1	-14.5	0.00	0.01	0.01	0.7	WSW
12/27/2023 09:45:00	36.3	21.2	-15.2	0.00	0.01	0.01	0.7	ESE
12/27/2023 09:46:00	35.8	21.3	-14.5	0.00	0.01	0.00	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
12/27/2023 09:47:00	35.6	21.0	-14.6	0.00	0.01	0.00	0.8	WSW
12/27/2023 09:48:00	34.2	20.8	-13.4	0.00	0.01	0.00	0.8	NE
12/27/2023 09:49:00	31.6	20.6	-10.9	0.00	0.01	0.00	0.8	SSE
12/27/2023 09:50:00	29.1	20.6	-8.5	0.00	0.01	0.00	0.7	E
12/27/2023 09:51:00	29.6	20.5	-9.2	0.00	0.01	0.00	0.7	W
12/27/2023 09:52:00	29.0	20.4	-8.6	0.01	0.01	0.00	0.7	SW
12/27/2023 09:53:00	26.1	20.4	-5.7	0.01	0.01	0.00	0.8	WSW
12/27/2023 09:54:00	23.9	20.4	-3.5	0.01	0.01	0.00	0.8	SW
12/27/2023 09:55:00	22.9	20.5	-2.4	0.01	0.00	0.00	0.7	WSW
12/27/2023 09:56:00	22.7	20.6	-2.1	0.01	0.01	0.00	0.7	NE
12/27/2023 09:57:00	22.7	20.7	-2.0	0.01	0.01	0.00	0.7	E
12/27/2023 09:58:00	22.9	20.9	-1.9	0.01	0.01	0.00	0.7	E
12/27/2023 09:59:00	23.7	20.2	-3.5	0.01	0.01	0.00	0.7	E
12/27/2023 10:00:00	23.4	20.9	-2.5	0.01	0.01	0.00	0.6	WSW
12/27/2023 10:01:00	23.6	20.3	-3.3	0.01	0.01	0.00	0.6	E
12/27/2023 10:02:00	23.5	20.4	-3.1	0.01	0.01	0.00	0.5	SW
12/27/2023 10:03:00	23.6	20.3	-3.3	0.01	0.01	0.00	0.6	ENE
12/27/2023 10:04:00	23.9	20.2	-3.7	0.01	0.01	0.00	0.6	SE
12/27/2023 10:05:00	23.9	20.4	-3.6	0.01	0.01	0.00	0.6	SSE
12/27/2023 10:06:00	21.7	20.3	-1.4	0.01	0.01	0.00	0.6	WNW
12/27/2023 10:07:00	21.4	20.3	-1.1	0.01	0.01	0.00	0.6	WSW
12/27/2023 10:08:00	21.5	20.3	-1.2	0.01	0.01	0.00	0.6	W
12/27/2023 10:09:00	21.7	20.2	-1.5	0.01	0.01	0.00	0.6	WSW
12/27/2023 10:10:00	21.8	20.0	-1.8	0.01	0.01	0.00	0.6	WSW
12/27/2023 10:11:00	21.5	20.1	-1.4	0.01	0.00	0.00	0.6	WSW
12/27/2023 10:12:00	21.2	20.4	-0.8	0.01	0.00	-0.01	0.6	WSW
12/27/2023 10:13:00	20.6	20.6	-0.1	0.01	0.00	-0.01	0.6	W
12/27/2023 10:14:00	20.1	20.7	0.6	0.01	0.00	-0.01	0.6	W
12/27/2023 10:15:00	20.4	20.4	0.1	0.01	0.00	-0.01	0.7	WSW
12/27/2023 10:16:00	20.4	20.9	0.5	0.01	0.00	-0.01	0.7	WSW
12/27/2023 10:17:00	20.8	21.1	0.2	0.01	0.00	-0.01	0.7	WSW
12/27/2023 10:18:00	20.8	21.7	0.9	0.01	0.00	-0.01	0.7	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
12/27/2023 10:19:00	20.6	22.1	1.5	0.01	0.00	-0.01	0.8	WSW
12/27/2023 10:20:00	20.7	22.0	1.3	0.01	0.00	-0.01	0.8	WSW
12/27/2023 10:21:00	20.7	22.1	1.4	0.01	0.00	-0.01	0.8	SE
12/27/2023 10:22:00	20.6	22.1	1.5	0.01	0.00	-0.01	0.8	E
12/27/2023 10:23:00	20.4	21.9	1.5	0.01	0.00	-0.01	0.8	E
12/27/2023 10:24:00	20.1	21.6	1.4	0.01	0.00	-0.01	0.8	NE
12/27/2023 10:25:00	19.6	21.4	1.7	0.01	0.00	-0.01	0.9	NW
12/27/2023 10:26:00	19.5	20.7	1.3	0.01	0.01	-0.01	0.8	NE
12/27/2023 10:27:00	19.1	19.9	0.9	0.01	0.01	0.00	0.8	N
12/27/2023 10:28:00	18.8	19.1	0.4	0.01	0.01	0.00	0.8	E
12/27/2023 10:29:00	18.6	18.3	-0.3	0.01	0.01	0.00	0.8	E
12/27/2023 10:30:00	18.4	17.5	-0.9	0.01	0.01	0.00	0.8	E
12/27/2023 10:31:00	18.1	16.6	-1.5	0.00	0.01	0.01	0.8	E
12/27/2023 10:32:00	18.2	15.8	-2.4	0.00	0.01	0.01	0.7	ESE
12/27/2023 10:33:00	17.8	15.5	-2.3	0.00	0.01	0.01	0.7	WSW
12/27/2023 10:34:00	17.3	15.1	-2.2	0.00	0.01	0.01	0.7	WSW
12/27/2023 10:35:00	16.6	14.8	-1.8	0.00	0.01	0.01	0.6	W
12/27/2023 10:36:00	16.1	14.1	-2.0	0.00	0.01	0.01	0.6	ESE
12/27/2023 10:37:00	15.7	13.4	-2.3	0.00	0.01	0.01	0.6	E
12/27/2023 10:38:00	15.1	13.3	-1.9	0.00	0.01	0.01	0.5	W
12/27/2023 10:39:00	15.1	12.8	-2.3	0.00	0.01	0.01	0.5	E
12/27/2023 10:40:00	15.1	12.4	-2.6	0.00	0.01	0.01	0.5	NNW
12/27/2023 10:41:00	14.6	12.4	-2.2	0.00	0.01	0.01	0.5	WNW
12/27/2023 10:42:00	14.5	12.5	-2.0	0.00	0.01	0.00	0.5	E
12/27/2023 10:43:00	14.4	12.7	-1.7	0.00	0.01	0.00	0.5	E
12/27/2023 10:44:00	14.1	13.1	-1.1	0.00	0.01	0.00	0.5	WSW
12/27/2023 10:45:00	14.0	13.5	-0.5	0.00	0.01	0.00	0.5	SW
12/27/2023 10:46:00	14.0	13.8	-0.2	0.00	0.01	0.00	0.5	E
12/27/2023 10:47:00	13.8	14.0	0.3	0.00	0.01	0.00	0.5	SE
12/27/2023 10:48:00	13.8	14.1	0.3	0.00	0.01	0.00	0.5	WSW
12/27/2023 10:49:00	13.8	14.3	0.5	0.00	0.01	0.00	0.5	WNW
12/27/2023 10:50:00	14.3	13.9	-0.4	0.00	0.01	0.00	0.6	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
12/27/2023 10:51:00	14.8	13.8	-0.9	0.00	0.01	0.00	0.6	SE
12/27/2023 10:52:00	15.3	13.8	-1.5	0.00	0.01	0.00	0.6	SE
12/27/2023 10:53:00	16.8	13.4	-3.4	0.00	0.01	0.00	0.6	E
12/27/2023 10:54:00	18.1	13.4	-4.7	0.00	0.01	0.00	0.6	ENE
12/27/2023 10:55:00	17.8	13.6	-4.3	0.00	0.01	0.00	0.7	WSW
12/27/2023 10:56:00	18.0	13.3	-4.7	0.00	0.01	0.00	0.7	E
12/27/2023 10:57:00	18.2	13.1	-5.2	0.00	0.01	0.00	0.7	ENE
12/27/2023 10:58:00	18.7	12.7	-6.0	0.00	0.01	0.00	0.7	E
12/27/2023 10:59:00	19.9	12.1	-7.8	0.00	0.01	0.01	0.7	N
12/27/2023 11:00:00	22.0	11.5	-10.5	0.00	0.01	0.01	0.7	ENE
12/27/2023 11:01:00	23.6	11.1	-12.5	0.00	0.01	0.01	0.6	ENE
12/27/2023 11:02:00				0.00	0.01	0.01	0.6	ENE
12/27/2023 11:03:00				0.00	0.01	0.01	0.6	ESE
12/27/2023 11:04:00				0.00	0.01	0.01	0.6	ENE
12/27/2023 11:05:00				0.00	0.01	0.01	0.6	S
12/27/2023 11:06:00	9.2	12.1	2.9	0.00	0.01	0.01	0.6	WSW
12/27/2023 11:07:00	12.8	10.6	-2.2	0.00	0.01	0.01	0.6	ESE
12/27/2023 11:08:00	11.6	15.6	4.0	0.00	0.01	0.01	0.6	WSW
12/27/2023 11:09:00	15.3	13.9	-1.5	0.00	0.01	0.01	0.6	N
12/27/2023 11:10:00	14.1	15.0	0.9	0.00	0.01	0.01	0.6	SSW
12/27/2023 11:11:00	14.0	14.0	0.0	0.00	0.01	0.01	0.6	E
12/27/2023 11:12:00	14.0	13.3	-0.7	0.00	0.01	0.01	0.6	E
12/27/2023 11:13:00	16.4	12.7	-3.7	0.00	0.01	0.01	0.6	E
12/27/2023 11:14:00	18.8	12.2	-6.6	0.00	0.01	0.01	0.6	ENE
12/27/2023 11:15:00	20.8	11.9	-8.9	0.00	0.01	0.01	0.6	E
12/27/2023 11:16:00	19.9	16.8	-3.1	0.00	0.01	0.00	0.6	SSW
12/27/2023 11:17:00	19.3	18.3	-1.0	0.00	0.01	0.00	0.7	SSW
12/27/2023 11:18:00	18.8	18.1	-0.7	0.01	0.01	0.00	0.7	WSW
12/27/2023 11:19:00	18.4	18.0	-0.5	0.01	0.01	0.00	0.7	WSW
12/27/2023 11:20:00	18.1	17.9	-0.2	0.01	0.01	0.00	0.7	SW
12/27/2023 11:21:00	18.7	18.0	-0.7	0.01	0.01	0.00	0.7	SE
12/27/2023 11:22:00	19.0	18.2	-0.8	0.01	0.01	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
12/27/2023 11:23:00	19.8	17.3	-2.5	0.00	0.01	0.00	0.7	E
12/27/2023 11:24:00	19.4	17.6	-1.8	0.00	0.01	0.00	0.7	NE
12/27/2023 11:25:00	19.7	17.0	-2.7	0.00	0.01	0.00	0.7	E
12/27/2023 11:26:00	19.9	17.2	-2.6	0.00	0.01	0.00	0.7	NE
12/27/2023 11:27:00	19.8	17.7	-2.1	0.00	0.01	0.00	0.7	SW
12/27/2023 11:28:00	18.6	18.0	-0.6	0.00	0.01	0.00	0.7	NE
12/27/2023 11:29:00	16.9	18.5	1.6	0.01	0.01	0.00	0.7	NW
12/27/2023 11:30:00	15.3	19.0	3.7	0.01	0.01	0.00	0.7	WSW
12/27/2023 11:31:00	15.7	15.8	0.1	0.01	0.01	0.00	0.7	ENE
12/27/2023 11:32:00	15.8	14.6	-1.2	0.01	0.01	0.00	0.6	SW
12/27/2023 11:33:00	16.1	14.6	-1.5	0.01	0.01	0.00	0.7	WSW
12/27/2023 11:34:00	16.5	14.5	-1.9	0.01	0.01	0.00	0.7	W
12/27/2023 11:35:00	17.1	14.5	-2.6	0.01	0.01	0.00	0.6	WSW
12/27/2023 11:36:00	17.0	14.8	-2.3	0.01	0.01	-0.01	0.6	WNW
12/27/2023 11:37:00	16.7	14.8	-1.9	0.01	0.01	0.00	0.6	E
12/27/2023 11:38:00	16.5	15.0	-1.5	0.01	0.01	-0.01	0.6	WNW
12/27/2023 11:39:00	16.2	15.3	-0.9	0.01	0.01	-0.01	0.6	WSW
12/27/2023 11:40:00	16.1	15.6	-0.5	0.01	0.01	-0.01	0.6	WSW
12/27/2023 11:41:00	15.9	15.8	-0.1	0.01	0.00	-0.01	0.6	W
12/27/2023 11:42:00	16.0	15.8	-0.2	0.01	0.00	-0.01	0.6	WSW
12/27/2023 11:43:00	16.1	16.0	-0.1	0.01	0.00	-0.01	0.7	E
12/27/2023 11:44:00	16.3	16.0	-0.2	0.01	0.00	-0.01	0.6	W
12/27/2023 11:45:00	16.4	16.1	-0.3	0.01	0.00	-0.01	0.6	SW
12/27/2023 11:46:00	16.4	16.3	-0.1	0.01	0.00	-0.01	0.6	WSW
12/27/2023 11:47:00	17.1	16.2	-0.9	0.01	0.00	-0.01	0.6	ESE
12/27/2023 11:48:00	16.9	16.6	-0.3	0.01	0.00	-0.01	0.6	W
12/27/2023 11:49:00	17.1	16.5	-0.5	0.01	0.01	-0.01	0.6	ESE
12/27/2023 11:50:00	16.6	16.7	0.1	0.01	0.00	-0.01	0.5	SW
12/27/2023 11:51:00	16.6	16.9	0.3	0.01	0.00	-0.01	0.5	W
12/27/2023 11:52:00	16.5	17.1	0.6	0.01	0.00	-0.01	0.5	WSW
12/27/2023 11:53:00	16.3	17.3	1.0	0.01	0.00	-0.01	0.5	WSW
12/27/2023 11:54:00	16.5	17.3	0.8	0.01	0.00	-0.01	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
12/27/2023 11:55:00	16.8	17.3	0.5	0.01	0.00	0.00	0.5	SE
12/27/2023 11:56:00	17.0	17.4	0.4	0.01	0.00	0.00	0.5	WSW
12/27/2023 11:57:00	17.2	17.3	0.1	0.01	0.00	0.00	0.5	ENE
12/27/2023 11:58:00	17.1	17.5	0.4	0.01	0.00	0.00	0.5	SW
12/27/2023 11:59:00	17.3	17.4	0.1	0.01	0.00	0.00	0.5	E
12/27/2023 12:00:00	17.5	17.3	-0.2	0.01	0.01	0.00	0.6	E
12/27/2023 12:01:00	17.7	16.9	-0.8	0.01	0.01	0.00	0.6	E
12/27/2023 12:02:00	17.2	16.8	-0.3	0.01	0.01	0.00	0.6	ESE
12/27/2023 12:03:00	17.2	16.6	-0.6	0.01	0.01	0.00	0.6	S
12/27/2023 12:04:00	16.7	16.8	0.1	0.01	0.01	0.00	0.7	SSW
12/27/2023 12:05:00	16.8	16.4	-0.4	0.01	0.01	0.00	0.7	ENE
12/27/2023 12:06:00	16.8	16.0	-0.8	0.00	0.01	0.00	0.7	ESE
12/27/2023 12:07:00	16.9	15.7	-1.2	0.00	0.01	0.00	0.7	E
12/27/2023 12:08:00	16.8	15.6	-1.1	0.00	0.01	0.00	0.7	SE
12/27/2023 12:09:00	16.8	15.5	-1.3	0.00	0.01	0.00	0.7	ESE
12/27/2023 12:10:00	16.4	15.6	-0.8	0.00	0.01	0.00	0.7	SW
12/27/2023 12:11:00	16.4	15.2	-1.2	0.00	0.01	0.00	0.7	ESE
12/27/2023 12:12:00	15.9	15.1	-0.8	0.00	0.01	0.00	0.7	SSE
12/27/2023 12:13:00	15.4	14.8	-0.7	0.00	0.01	0.00	0.7	W
12/27/2023 12:14:00	15.1	14.3	-0.8	0.00	0.01	0.00	0.7	ESE
12/27/2023 12:15:00	14.7	13.9	-0.7	0.00	0.01	0.00	0.7	ENE
12/27/2023 12:16:00	14.2	13.6	-0.7	0.00	0.01	0.00	0.6	ESE
12/27/2023 12:17:00	13.9	13.3	-0.6	0.00	0.01	0.00	0.6	E
12/27/2023 12:18:00	13.7	12.8	-0.9	0.00	0.01	0.00	0.6	E
12/27/2023 12:19:00	13.6	12.3	-1.4	0.00	0.01	0.01	0.6	E
12/27/2023 12:20:00	13.3	12.0	-1.3	0.00	0.01	0.01	0.7	ESE
12/27/2023 12:21:00	12.9	11.8	-1.2	0.00	0.01	0.01	0.7	E
12/27/2023 12:22:00	12.6	11.4	-1.2	0.00	0.01	0.01	0.7	E
12/27/2023 12:23:00	12.5	10.9	-1.6	0.00	0.01	0.01	0.7	E
12/27/2023 12:24:00	12.1	10.6	-1.5	0.00	0.01	0.01	0.7	NNE
12/27/2023 12:25:00	12.0	10.0	-2.0	0.00	0.01	0.01	0.7	ESE
12/27/2023 12:26:00	11.8	9.9	-2.0	0.00	0.01	0.01	0.7	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
12/27/2023 12:27:00	11.9	9.5	-2.4	0.00	0.01	0.01	0.7	SE
12/27/2023 12:28:00	12.1	9.2	-2.9	0.00	0.01	0.01	0.7	E
12/27/2023 12:29:00	12.0	9.2	-2.8	0.00	0.01	0.01	0.7	E
12/27/2023 12:30:00	11.9	9.2	-2.7	0.00	0.01	0.01	0.7	ESE
12/27/2023 12:31:00	11.8	9.1	-2.7	0.00	0.01	0.01	0.8	ENE
12/27/2023 12:32:00	11.6	8.9	-2.8	0.00	0.01	0.01	0.8	E
12/27/2023 12:33:00	11.5	8.8	-2.8	0.00	0.01	0.01	0.8	E
12/27/2023 12:34:00	11.2	8.8	-2.4	0.00	0.01	0.01	0.8	WSW
12/27/2023 12:35:00	11.1	8.7	-2.4	0.00	0.01	0.01	0.7	ESE
12/27/2023 12:36:00	11.1	8.7	-2.3	0.00	0.01	0.01	0.8	E
12/27/2023 12:37:00	11.0	8.8	-2.3	0.00	0.01	0.01	0.8	ESE
12/27/2023 12:38:00	10.9	8.9	-1.9	0.00	0.01	0.01	0.8	SSE
12/27/2023 12:39:00	11.6	9.0	-2.5	0.00	0.01	0.01	0.8	SE
12/27/2023 12:40:00	12.9	9.1	-3.8	0.00	0.01	0.01	0.8	E
12/27/2023 12:41:00	13.5	9.3	-4.2	0.00	0.01	0.01	0.9	E
12/27/2023 12:42:00	13.4	9.8	-3.6	0.00	0.01	0.01	0.9	SW
12/27/2023 12:43:00	13.7	10.0	-3.7	0.00	0.01	0.01	0.8	E
12/27/2023 12:44:00	14.2	10.2	-4.0	0.00	0.01	0.01	0.8	E
12/27/2023 12:45:00	14.6	10.4	-4.2	0.00	0.01	0.01	0.9	E
12/27/2023 12:46:00	15.0	10.7	-4.3	0.00	0.01	0.01	0.9	E
12/27/2023 12:47:00	15.8	11.0	-4.9	0.00	0.01	0.01	0.9	E
12/27/2023 12:48:00	16.2	11.2	-5.0	0.00	0.01	0.01	0.8	E
12/27/2023 12:49:00	16.8	11.3	-5.5	0.00	0.01	0.01	0.9	SE
12/27/2023 12:50:00	17.0	11.6	-5.4	0.00	0.01	0.01	0.9	ESE
12/27/2023 12:51:00	17.2	11.8	-5.4	0.00	0.01	0.01	0.9	ESE
12/27/2023 12:52:00	17.3	12.3	-5.0	0.00	0.01	0.01	0.8	W
12/27/2023 12:53:00	17.9	12.7	-5.2	0.00	0.01	0.01	0.8	WSW
12/27/2023 12:54:00	17.4	13.1	-4.3	0.01	0.01	0.00	0.8	WSW
12/27/2023 12:55:00	16.1	13.8	-2.3	0.01	0.01	0.00	0.8	WSW
12/27/2023 12:56:00	15.6	14.2	-1.4	0.01	0.01	0.00	0.7	W
12/27/2023 12:57:00	16.0	13.9	-2.1	0.01	0.01	0.00	0.7	ESE
12/27/2023 12:58:00	15.8	14.4	-1.4	0.01	0.01	0.00	0.8	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
12/27/2023 12:59:00	15.7	14.4	-1.3	0.01	0.01	0.00	0.8	E
12/27/2023 13:00:00	15.7	14.4	-1.3	0.01	0.01	0.00	0.7	NE
12/27/2023 13:01:00	15.6	14.3	-1.3	0.01	0.01	0.00	0.7	E
12/27/2023 13:02:00	15.2	14.3	-0.9	0.01	0.01	0.00	0.7	ENE
12/27/2023 13:03:00	15.2	14.3	-0.9	0.01	0.01	0.00	0.7	E
12/27/2023 13:04:00	15.1	14.2	-0.9	0.01	0.01	0.00	0.7	E
12/27/2023 13:05:00	15.2	14.1	-1.1	0.01	0.01	0.00	0.6	E
12/27/2023 13:06:00	15.9	14.0	-1.9	0.01	0.01	0.00	0.7	E
12/27/2023 13:07:00	15.8	14.1	-1.6	0.01	0.01	0.00	0.7	SW
12/27/2023 13:08:00	16.3	13.7	-2.6	0.01	0.01	0.01	0.7	ESE
12/27/2023 13:09:00	17.0	13.4	-3.6	0.01	0.01	0.01	0.7	E
12/27/2023 13:10:00	17.7	12.8	-4.9	0.00	0.01	0.01	0.7	NNW
12/27/2023 13:11:00	18.3	12.3	-5.9	0.00	0.01	0.01	0.6	ENE
12/27/2023 13:12:00	18.8	12.2	-6.6	0.00	0.01	0.01	0.6	E
12/27/2023 13:13:00	19.7	11.7	-8.0	0.00	0.01	0.01	0.6	E
12/27/2023 13:14:00	19.6	11.7	-7.9	0.00	0.01	0.01	0.6	N
12/27/2023 13:15:00	19.3	11.8	-7.4	0.00	0.01	0.01	0.6	WSW
12/27/2023 13:16:00	19.3	11.7	-7.6	0.00	0.01	0.01	0.6	E
12/27/2023 13:17:00	19.9	11.6	-8.4	0.00	0.01	0.01	0.6	E
12/27/2023 13:18:00	20.1	11.5	-8.6	0.00	0.01	0.01	0.6	E
12/27/2023 13:19:00	20.8	11.5	-9.3	0.00	0.01	0.01	0.6	NNE
12/27/2023 13:20:00	21.5	11.6	-9.9	0.00	0.01	0.01	0.6	E
12/27/2023 13:21:00	21.2	11.8	-9.4	0.00	0.01	0.01	0.6	ENE
12/27/2023 13:22:00	22.3	11.4	-10.9	0.00	0.01	0.01	0.6	E
12/27/2023 13:23:00	22.2	11.4	-10.8	0.00	0.01	0.01	0.6	E
12/27/2023 13:24:00	21.6	11.3	-10.3	0.00	0.01	0.01	0.6	ENE
12/27/2023 13:25:00	20.9	11.7	-9.2	0.00	0.01	0.01	0.6	SSE
12/27/2023 13:26:00	20.8	11.7	-9.1	0.00	0.01	0.01	0.7	E
12/27/2023 13:27:00	20.7	11.8	-8.9	0.00	0.01	0.01	0.7	E
12/27/2023 13:28:00	20.5	11.8	-8.7	0.00	0.01	0.01	0.7	E
12/27/2023 13:29:00	20.2	12.6	-7.5	0.00	0.01	0.01	0.8	SSE
12/27/2023 13:30:00	20.2	13.3	-6.9	0.00	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
12/27/2023 13:31:00	20.4	13.3	-7.1	0.00	0.01	0.01	0.8	E
12/27/2023 13:32:00	19.3	13.5	-5.7	0.00	0.01	0.01	0.8	WSW
12/27/2023 13:33:00	18.8	13.5	-5.3	0.00	0.01	0.01	0.8	ESE
12/27/2023 13:34:00	18.3	13.4	-5.0	0.00	0.01	0.01	0.9	ESE
12/27/2023 13:35:00	18.3	13.2	-5.1	0.00	0.01	0.01	0.9	E
12/27/2023 13:36:00	18.3	12.9	-5.3	0.00	0.01	0.01	0.9	ENE
12/27/2023 13:37:00	17.5	12.8	-4.7	0.00	0.01	0.01	0.9	NNE
12/27/2023 13:38:00	16.8	12.7	-4.1	0.00	0.01	0.01	0.8	E
12/27/2023 13:39:00	16.3	12.9	-3.4	0.00	0.01	0.00	0.9	SW
12/27/2023 13:40:00	16.1	12.6	-3.6	0.00	0.01	0.00	0.9	SE
12/27/2023 13:41:00	15.7	12.4	-3.3	0.00	0.01	0.00	0.9	E
12/27/2023 13:42:00	15.1	12.2	-2.9	0.00	0.01	0.00	0.8	ESE
12/27/2023 13:43:00	14.6	12.1	-2.5	0.00	0.01	0.00	0.8	ESE
12/27/2023 13:44:00	15.0	11.0	-3.9	0.00	0.01	0.01	0.7	SE
12/27/2023 13:45:00	14.7	10.7	-4.1	0.00	0.01	0.01	0.7	SW
12/27/2023 13:46:00	14.7	10.6	-4.2	0.00	0.01	0.01	0.7	ENE
12/27/2023 13:47:00	14.6	10.4	-4.2	0.00	0.01	0.01	0.6	W
12/27/2023 13:48:00	14.6	10.3	-4.3	0.00	0.01	0.01	0.6	E
12/27/2023 13:49:00	14.0	10.1	-3.9	0.00	0.01	0.01	0.6	E
12/27/2023 13:50:00	13.0	10.0	-3.0	0.00	0.01	0.01	0.6	ESE
12/27/2023 13:51:00	12.2	10.2	-2.0	0.00	0.01	0.00	0.6	WSW
12/27/2023 13:52:00	11.8	9.9	-1.9	0.00	0.01	0.00	0.7	NE
12/27/2023 13:53:00	11.6	9.7	-1.9	0.00	0.01	0.00	0.6	E
12/27/2023 13:54:00	12.7	9.3	-3.4	0.00	0.01	0.01	0.6	SE
12/27/2023 13:55:00	12.6	10.4	-2.2	0.00	0.01	0.01	0.6	W
12/27/2023 13:56:00	12.3	10.6	-1.7	0.00	0.01	0.00	0.7	SW
12/27/2023 13:57:00	12.4	10.6	-1.9	0.00	0.01	0.00	0.7	ENE
12/27/2023 13:58:00	12.3	10.4	-1.8	0.00	0.01	0.00	0.7	ESE
12/27/2023 13:59:00	12.1	10.3	-1.8	0.00	0.01	0.00	0.7	SE
12/27/2023 14:00:00	13.3	9.6	-3.6	0.00	0.01	0.01	0.8	SE
12/27/2023 14:01:00	12.9	9.5	-3.5	0.00	0.01	0.01	0.8	E
12/27/2023 14:02:00	12.9	9.5	-3.4	0.00	0.01	0.01	0.9	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
12/27/2023 14:03:00	13.1	9.5	-3.6	0.00	0.01	0.01	0.9	ESE
12/27/2023 14:04:00	13.4	9.5	-3.9	0.00	0.01	0.01	0.9	SE
12/27/2023 14:05:00	13.2	10.0	-3.2	0.00	0.01	0.00	0.9	SSW
12/27/2023 14:06:00	13.4	9.7	-3.7	0.00	0.01	0.01	1.0	E
12/27/2023 14:07:00	13.3	9.8	-3.5	0.00	0.01	0.01	1.0	E
12/27/2023 14:08:00	13.3	9.8	-3.4	0.00	0.01	0.01	1.0	SE
12/27/2023 14:09:00	12.1	9.8	-2.3	0.00	0.01	0.01	1.0	ESE
12/27/2023 14:10:00	12.5	8.4	-4.0	0.00	0.01	0.01	1.0	E
12/27/2023 14:11:00	13.2	8.1	-5.1	0.00	0.01	0.01	1.0	E
12/27/2023 14:12:00	14.0	8.0	-6.0	0.00	0.01	0.01	1.0	ESE
12/27/2023 14:13:00	14.5	8.1	-6.5	0.00	0.01	0.01	1.0	E
12/27/2023 14:14:00	14.5	8.1	-6.4	0.00	0.01	0.01	1.0	SE
12/27/2023 14:15:00	13.8	8.0	-5.8	0.00	0.01	0.00	1.0	E
12/27/2023 14:16:00	13.8	7.9	-5.9	0.00	0.01	0.00	1.0	E
12/27/2023 14:17:00	14.1	7.6	-6.5	0.00	0.01	0.00	1.0	E
12/27/2023 14:18:00	13.9	7.5	-6.5	0.00	0.00	0.00	1.0	E
12/27/2023 14:19:00	13.7	7.4	-6.3	0.00	0.00	0.00	1.0	E
12/27/2023 14:20:00	13.8	6.8	-7.0	0.00	0.00	0.00	1.0	E
12/27/2023 14:21:00	14.3	6.7	-7.7	0.00	0.00	0.00	1.0	E
12/27/2023 14:22:00	15.2	6.5	-8.7	0.00	0.00	0.00	1.0	NE
12/27/2023 14:23:00	15.8	6.6	-9.2	0.00	0.00	0.00	0.9	E
12/27/2023 14:24:00	15.6	7.1	-8.5	0.00	0.00	0.00	0.9	SW
12/27/2023 14:25:00	15.8	7.0	-8.8	0.00	0.00	0.00	0.9	E
12/27/2023 14:26:00	15.3	7.0	-8.4	0.00	0.00	0.00	0.9	E
12/27/2023 14:27:00	14.2	6.9	-7.2	0.00	0.00	0.00	0.9	E
12/27/2023 14:28:00	13.3	6.8	-6.5	0.00	0.00	0.00	0.9	ESE
12/27/2023 14:29:00	13.4	6.8	-6.6	0.00	0.00	0.00	0.9	ESE
12/27/2023 14:30:00	13.4	6.8	-6.6	0.00	0.00	0.00	0.8	ENE
12/27/2023 14:31:00	13.6	6.8	-6.8	0.00	0.00	0.00	0.9	E
12/27/2023 14:32:00	13.8	6.9	-6.9	0.00	0.00	0.00	0.9	ESE
12/27/2023 14:33:00	14.2	7.0	-7.2	0.00	0.01	0.01	0.9	SE
12/27/2023 14:34:00	14.6	7.0	-7.6	0.00	0.01	0.01	0.9	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
12/27/2023 14:35:00	14.9	7.0	-8.0	0.00	0.01	0.01	0.8	E
12/27/2023 14:36:00	14.6	7.0	-7.6	0.00	0.01	0.01	0.9	E
12/27/2023 14:37:00	13.6	7.5	-6.1	0.00	0.01	0.01	0.9	SSE
12/27/2023 14:38:00	13.2	7.4	-5.8	0.00	0.01	0.01	0.9	E
12/27/2023 14:39:00	13.4	6.8	-6.6	0.00	0.01	0.01	0.9	ENE
12/27/2023 14:40:00	12.9	6.8	-6.1	0.00	0.01	0.01	0.9	E
12/27/2023 14:41:00	12.8	6.8	-6.0	0.00	0.01	0.01	0.9	E
12/27/2023 14:42:00	12.7	6.8	-6.0	0.00	0.01	0.01	0.9	E
12/27/2023 14:43:00	12.7	6.7	-6.0	0.00	0.01	0.01	0.9	E
12/27/2023 14:44:00	12.2	6.7	-5.5	0.00	0.02	0.01	0.9	E
12/27/2023 14:45:00	11.7	6.7	-5.0	0.00	0.02	0.01	0.9	ENE
12/27/2023 14:46:00	11.0	6.7	-4.3	0.00	0.01	0.01	0.9	E
12/27/2023 14:47:00	10.7	6.7	-4.0	0.00	0.01	0.01	0.9	E
12/27/2023 14:48:00	10.1	6.5	-3.6	0.00	0.01	0.01	0.9	E
12/27/2023 14:49:00	9.6	6.4	-3.2	0.00	0.01	0.01	0.8	E
12/27/2023 14:50:00	9.2	6.4	-2.9	0.00	0.01	0.01	0.8	ESE
12/27/2023 14:51:00	8.8	6.6	-2.1	0.00	0.01	0.01	0.8	WSW
12/27/2023 14:52:00	9.6	6.1	-3.6	0.00	0.01	0.01	0.8	E
12/27/2023 14:53:00	10.4	6.0	-4.5	0.00	0.01	0.01	0.8	ENE
12/27/2023 14:54:00	10.1	6.3	-3.8	0.00	0.01	0.01	0.8	WSW
12/27/2023 14:55:00	10.1	6.2	-3.9	0.00	0.01	0.01	0.8	E
12/27/2023 14:56:00	10.0	6.2	-3.8	0.00	0.01	0.01	0.8	E
12/27/2023 14:57:00	10.0	6.2	-3.8	0.00	0.01	0.01	0.8	E
12/27/2023 14:58:00	10.4	6.3	-4.1	0.00	0.01	0.01	0.8	E
12/27/2023 14:59:00				0.00	0.01	0.01	0.8	E
12/27/2023 15:00:00				0.00	0.01	0.01	0.8	E
12/27/2023 15:01:00				0.00	0.01	0.01	0.8	E
12/27/2023 15:02:00				0.00	0.01	0.01	0.8	E
12/27/2023 15:03:00	10.1	6.3	-3.9	0.00	0.01	0.01	0.8	E
12/27/2023 15:04:00	7.9	7.6	-0.3	0.00	0.01	0.01	0.7	SSW
12/27/2023 15:05:00	7.8	6.8	-1.0	0.00	0.01	0.01	0.7	SE
12/27/2023 15:06:00	7.7	7.0	-0.7	0.00	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
12/27/2023 15:07:00	7.6	7.2	-0.4	0.00	0.01	0.01	0.7	SSE
12/27/2023 15:08:00	7.5	7.3	-0.2	0.00	0.01	0.01	0.7	SW
12/27/2023 15:09:00	7.6	7.3	-0.3	0.00	0.01	0.01	0.7	E
12/27/2023 15:10:00	7.5	7.4	-0.1	0.00	0.01	0.01	0.7	E
12/27/2023 15:11:00	7.5	7.4	-0.1	0.00	0.01	0.01	0.7	ENE
12/27/2023 15:12:00	7.5	7.8	0.3	0.00	0.01	0.01	0.7	W
12/27/2023 15:13:00	7.7	7.8	0.1	0.00	0.01	0.01	0.7	ESE
12/27/2023 15:14:00	7.6	7.8	0.2	0.00	0.01	0.00	0.7	NNW
12/27/2023 15:15:00	7.7	7.7	0.1	0.00	0.01	0.00	0.7	ENE
12/27/2023 15:16:00	7.7	7.5	-0.2	0.00	0.01	0.01	0.7	ESE
12/27/2023 15:17:00	7.7	7.3	-0.3	0.00	0.01	0.01	0.7	E
12/27/2023 15:18:00	7.4	7.3	-0.1	0.00	0.01	0.01	0.7	E
12/27/2023 15:19:00	7.5	7.0	-0.4	0.00	0.01	0.01	0.7	NNW
12/27/2023 15:20:00	7.3	7.1	-0.2	0.00	0.01	0.01	0.7	WSW
12/27/2023 15:21:00	7.2	6.9	-0.3	0.00	0.01	0.01	0.7	ENE
12/27/2023 15:22:00	7.1	6.8	-0.3	0.00	0.01	0.01	0.7	E
12/27/2023 15:23:00	7.1	6.6	-0.5	0.00	0.01	0.01	0.7	ENE
12/27/2023 15:24:00	7.0	6.5	-0.5	0.00	0.01	0.01	0.7	NNW
12/27/2023 15:25:00	6.8	6.3	-0.5	0.00	0.01	0.01	0.7	SSW
12/27/2023 15:26:00	6.7	6.2	-0.5	0.00	0.01	0.00	0.7	NW
12/27/2023 15:27:00	6.7	5.8	-0.8	0.00	0.01	0.01	0.7	E
12/27/2023 15:28:00	6.6	5.7	-0.9	0.00	0.00	0.00	0.7	E
12/27/2023 15:29:00	6.7	5.5	-1.1	0.00	0.00	0.00	0.6	SE