

DAILY FIELD REPORT 149

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	December 21, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 5:15 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:

Caitlyn Dempsey (Environmental)

Xianglei Zheng (Geotechnical)

Work Activities Performed:

- Urban continued excavating an about 15-foot-long by 5-foot-wide area around existing caissons from about 28 feet below grade surface (bgs) to about 35 feet bgs in the central part of grids WC03_25-30 and WC06_30-35 for the installation of an elevator pit. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban excavated an about 5-foot-long by 20-foot-wide area around existing caissons from about 18 feet bgs to about 22 feet bgs in the central part of grids WC02_15-20 and WC02_20-25 and an about 5-foot-long by 8-foot-wide area around existing caissons from about 10 feet bgs to about 15 feet bgs in the western part of grid WC02_10-15 for the installation of timber shoring. Excavated soil/fill was temporarily backfilled adjacent to the area of excavation and will be re-excavated following the installation of the timber shoring.
- Urban temporarily backfilled an about 10-foot-long by 5-foot-wide area in the central part of grids WC03_25-30 and WC06_30-35 with previously stockpiled material from grids WC03_25-30 and WC06_30-35 to prepare for equipment mobilization. Soil/fill will be re-excavated following the equipment mobilization.
- Urban graded an about 30-foot-long by 45-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 central 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:
 - 6 loads of soil/fill from waste characterization grids WC02_10-15, WC02_15-20, WC02_25-30, WC03_10-15, WC03_15-20, WC03_20-25, WC03_25-30, and/or WC06_30-35 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								
Facility Name	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&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	-	6	120	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	240	4,800	0	-	15	300

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

Materials Import Summary				
Facility Name	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>Stavola Bound Brook / North Shore Terminal</i>	
Location	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>	
Type of Material	<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.

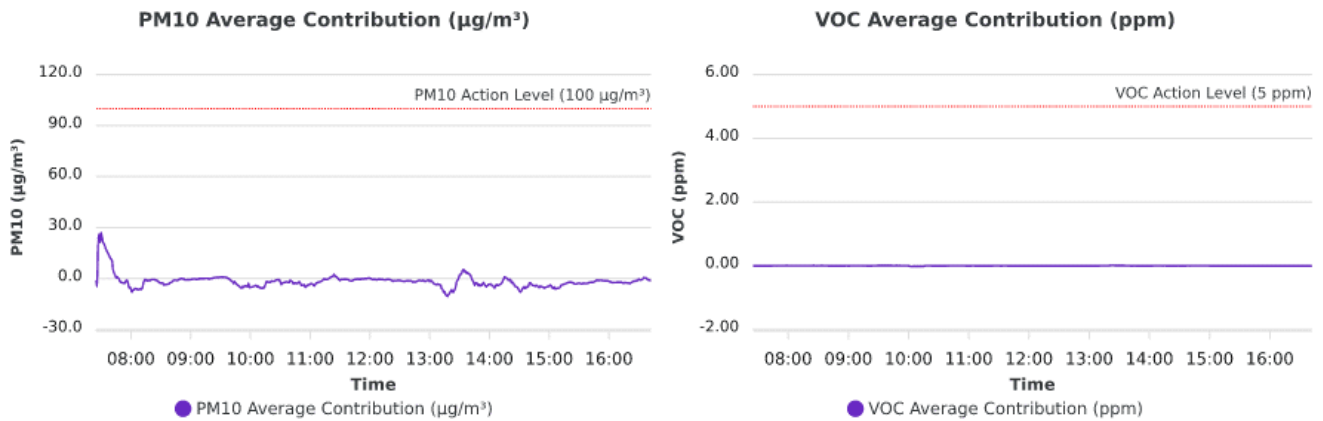
Air Monitoring:

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/m³ 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/m³ or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	11.2	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-18.9	VOC Average Site Contribution (Minimum)	-0.02
PM10 Average Site Contribution (Maximum)	27.0	VOC Average Site Contribution (Maximum)	0.01

µg/m³: micrograms per cubic meter.

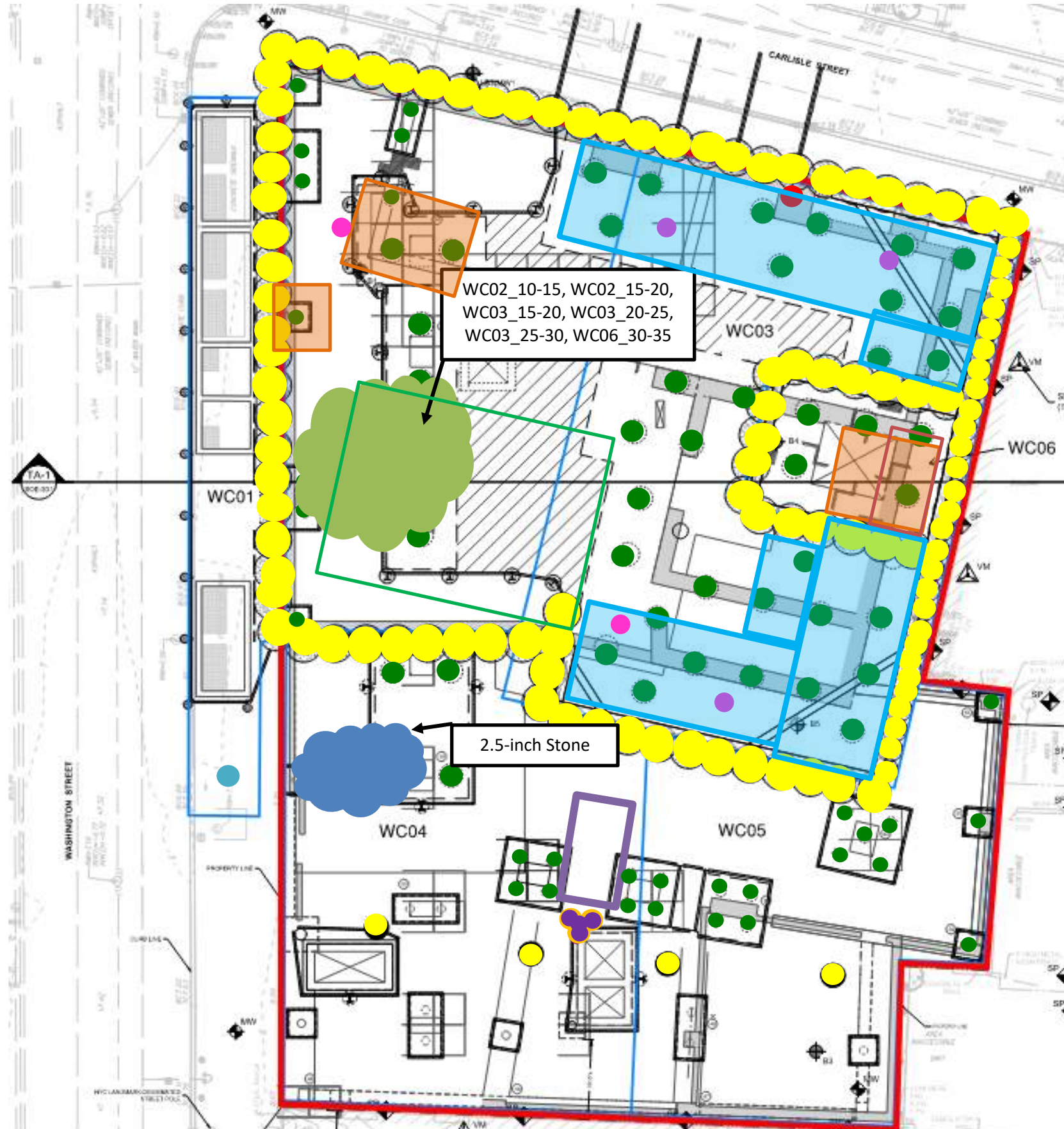
ppm: parts per million.



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_15-20 (facing southwest).



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



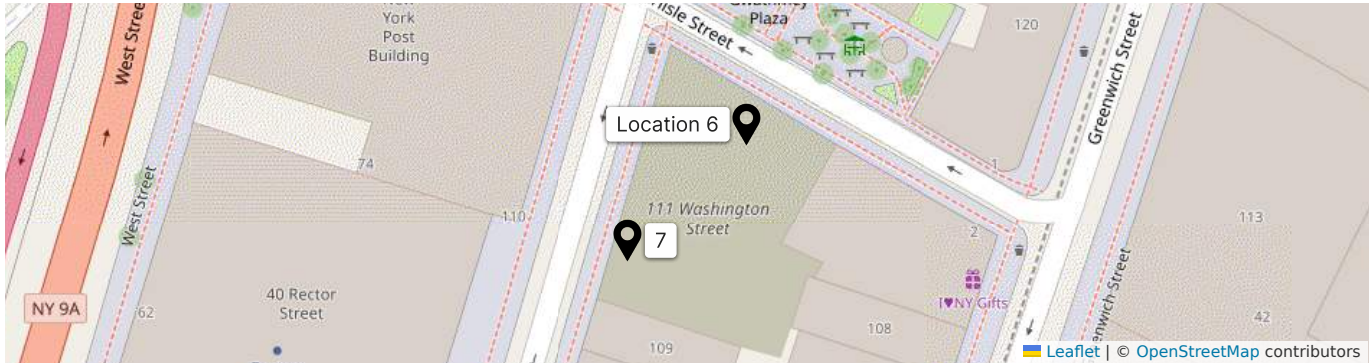
Photo 3: View of the site entrance/exit at the corner of Carlisle and Washington Street at the end of the workday (facing southeast).



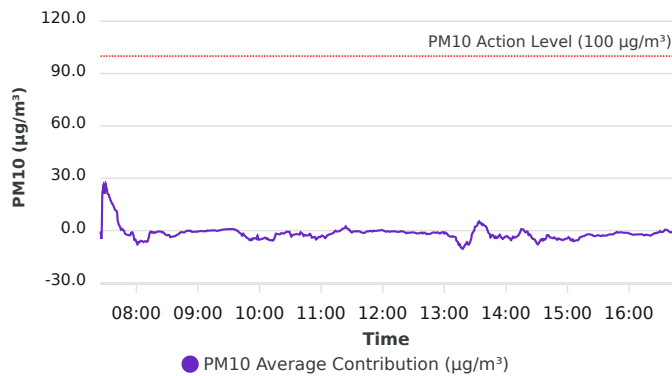
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	12/21/2023 06:00
		To:	12/21/2023 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/21/2023	0.5-3.4	SE

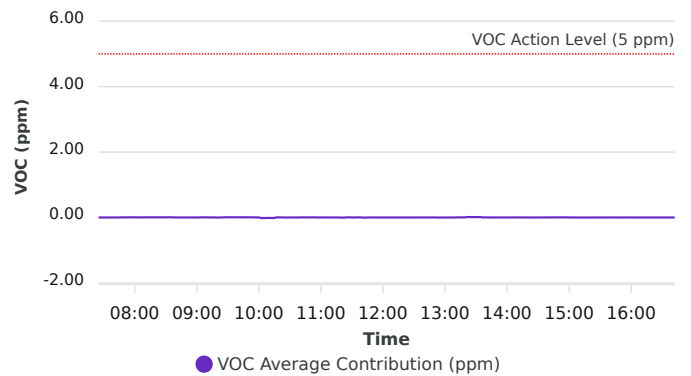
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/21/2023	-10.5	13:18	-0.02	10:03
Max Contribution (15 min avg.) - 12/21/2023	27.0	07:30	0.01	13:24



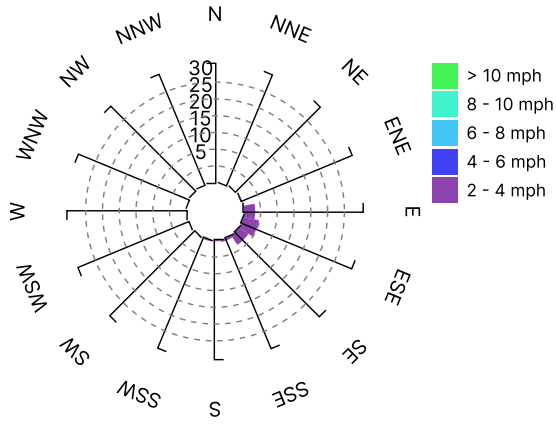
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
12/21/2023 07:25:00	11.2	10.7	-0.5	0.00	0.00	0.00	0.8	W
12/21/2023 07:26:00	15.1	10.3	-4.8	0.00	0.00	0.00	0.9	WSW
12/21/2023 07:27:00	13.0	35.4	22.4	0.00	0.00	0.00	1.1	ESE
12/21/2023 07:28:00	11.8	38.0	26.2	0.00	0.00	0.00	1.2	E
12/21/2023 07:29:00	11.8	32.9	21.2	0.00	0.00	0.00	1.3	ESE
12/21/2023 07:30:00	11.7	38.6	27.0	0.00	0.00	0.00	1.5	ESE
12/21/2023 07:31:00	11.9	36.2	24.3	0.00	0.00	0.00	1.7	ESE
12/21/2023 07:32:00	11.9	32.9	21.0	0.00	0.00	0.00	1.6	E
12/21/2023 07:33:00	11.7	32.3	20.6	0.00	0.00	0.00	1.7	E
12/21/2023 07:34:00	11.9	30.7	18.8	0.00	0.00	0.00	1.6	SSE
12/21/2023 07:35:00	12.9	30.2	17.2	0.00	0.00	0.00	1.7	ESE
12/21/2023 07:36:00	13.1	28.9	15.9	0.00	0.00	0.00	1.8	ESE
12/21/2023 07:37:00	13.3	28.2	15.0	0.00	0.00	0.00	1.8	ESE
12/21/2023 07:38:00	13.2	26.8	13.7	0.00	0.00	0.00	1.7	ESE
12/21/2023 07:39:00	13.3	25.5	12.2	0.00	0.00	0.00	1.7	E
12/21/2023 07:40:00	13.9	25.3	11.4	0.00	0.00	0.00	1.8	E
12/21/2023 07:41:00	14.1	25.1	11.0	0.00	0.00	0.00	1.8	E
12/21/2023 07:42:00	14.8	19.9	5.1	0.00	0.00	0.00	1.7	ESE
12/21/2023 07:43:00	14.8	18.1	3.3	0.00	0.00	0.00	1.7	SSE
12/21/2023 07:44:00	15.7	17.9	2.2	0.00	0.00	0.00	1.7	ESE
12/21/2023 07:45:00	15.6	16.1	0.5	0.00	0.00	0.00	1.6	WSW
12/21/2023 07:46:00	15.4	16.4	1.0	0.00	0.01	0.00	1.4	SSW
12/21/2023 07:47:00	16.1	16.5	0.4	0.00	0.01	0.00	1.4	E
12/21/2023 07:48:00	16.2	16.0	-0.2	0.00	0.01	0.00	1.3	SSE
12/21/2023 07:49:00	17.1	15.4	-1.8	0.00	0.01	0.00	1.4	SE
12/21/2023 07:50:00	16.3	14.1	-2.2	0.00	0.01	0.00	1.4	ESE
12/21/2023 07:51:00	15.8	13.4	-2.4	0.00	0.01	0.00	1.3	E
12/21/2023 07:52:00	15.2	12.8	-2.4	0.00	0.01	0.00	1.3	SSE
12/21/2023 07:53:00	15.3	12.6	-2.7	0.00	0.01	0.00	1.2	ESE
12/21/2023 07:54:00	15.1	12.4	-2.7	0.00	0.01	0.01	1.2	ESE
12/21/2023 07:55:00	14.1	12.8	-1.3	0.01	0.01	0.00	1.2	SSE
12/21/2023 07:56:00	13.6	12.6	-0.9	0.01	0.01	0.01	1.2	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
12/21/2023 07:57:00	14.7	12.5	-2.3	0.01	0.01	0.01	1.2	ESE
12/21/2023 07:58:00	17.0	11.6	-5.3	0.00	0.01	0.01	1.3	E
12/21/2023 07:59:00	16.6	11.5	-5.1	0.00	0.01	0.01	1.3	ESE
12/21/2023 08:00:00	16.4	10.0	-6.5	0.00	0.01	0.00	1.3	WSW
12/21/2023 08:01:00	16.6	8.7	-8.0	0.00	0.01	0.01	1.4	ESE
12/21/2023 08:02:00	15.7	9.1	-6.6	0.00	0.01	0.00	1.5	SSE
12/21/2023 08:03:00	15.3	8.6	-6.7	0.00	0.01	0.00	1.5	S
12/21/2023 08:04:00	14.3	8.5	-5.9	0.00	0.01	0.00	1.4	ENE
12/21/2023 08:05:00	14.4	8.4	-6.0	0.00	0.01	0.00	1.4	E
12/21/2023 08:06:00	14.7	8.5	-6.2	0.00	0.01	0.00	1.5	ESE
12/21/2023 08:07:00	14.9	8.3	-6.6	0.00	0.01	0.01	1.5	ESE
12/21/2023 08:08:00	14.6	8.3	-6.2	0.00	0.01	0.01	1.5	SE
12/21/2023 08:09:00	14.5	8.4	-6.1	0.00	0.01	0.01	1.6	SE
12/21/2023 08:10:00	14.7	8.2	-6.5	0.00	0.01	0.01	1.6	S
12/21/2023 08:11:00	14.4	8.3	-6.1	0.00	0.01	0.01	1.7	SE
12/21/2023 08:12:00	12.5	8.5	-4.0	0.00	0.01	0.01	1.8	ESE
12/21/2023 08:13:00	10.3	8.8	-1.5	0.00	0.01	0.01	1.8	ESE
12/21/2023 08:14:00	9.6	9.1	-0.5	0.00	0.01	0.01	1.8	ESE
12/21/2023 08:15:00	9.9	8.8	-1.1	0.00	0.01	0.01	1.8	SW
12/21/2023 08:16:00	9.7	8.8	-0.9	0.00	0.01	0.01	1.8	ESE
12/21/2023 08:17:00	9.8	8.4	-1.4	0.00	0.01	0.01	1.7	SSE
12/21/2023 08:18:00	10.1	9.1	-1.0	0.00	0.01	0.01	1.7	SSW
12/21/2023 08:19:00	10.5	9.3	-1.1	0.00	0.01	0.01	1.8	SE
12/21/2023 08:20:00	10.3	9.6	-0.7	0.00	0.01	0.01	1.8	E
12/21/2023 08:21:00	10.3	9.7	-0.6	0.00	0.01	0.01	1.8	SE
12/21/2023 08:22:00	10.7	10.2	-0.5	0.00	0.01	0.01	1.8	ESE
12/21/2023 08:23:00	11.2	10.7	-0.5	0.00	0.01	0.01	1.8	E
12/21/2023 08:24:00	11.4	10.8	-0.6	0.00	0.01	0.01	1.9	ESE
12/21/2023 08:25:00	11.7	10.7	-1.0	0.00	0.01	0.01	1.9	ESE
12/21/2023 08:26:00	11.7	10.8	-0.9	0.00	0.01	0.01	1.9	ESE
12/21/2023 08:27:00	12.4	10.9	-1.5	0.00	0.01	0.01	1.7	ESE
12/21/2023 08:28:00	12.9	10.8	-2.1	0.00	0.01	0.01	1.7	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
12/21/2023 08:29:00	13.2	10.7	-2.5	0.00	0.01	0.00	1.8	S
12/21/2023 08:30:00	13.2	10.5	-2.7	0.00	0.01	0.01	1.8	SE
12/21/2023 08:31:00	13.1	10.6	-2.5	0.00	0.01	0.01	1.7	SW
12/21/2023 08:32:00	13.1	10.5	-2.6	0.00	0.01	0.01	1.8	SSE
12/21/2023 08:33:00	13.5	9.7	-3.8	0.00	0.01	0.01	1.7	SE
12/21/2023 08:34:00	13.2	9.7	-3.6	0.00	0.01	0.01	1.7	SE
12/21/2023 08:35:00	13.2	9.7	-3.5	0.00	0.01	0.01	1.7	SSE
12/21/2023 08:36:00	13.0	9.6	-3.4	0.00	0.01	0.01	1.7	ESE
12/21/2023 08:37:00	12.4	9.2	-3.2	0.00	0.01	0.00	1.6	SW
12/21/2023 08:38:00	11.9	8.7	-3.2	0.00	0.01	0.00	1.6	SSE
12/21/2023 08:39:00	11.3	8.7	-2.6	0.00	0.00	0.00	1.5	SW
12/21/2023 08:40:00	11.0	8.7	-2.3	0.00	0.00	0.00	1.5	SE
12/21/2023 08:41:00	10.7	8.5	-2.1	0.00	0.00	0.00	1.5	ESE
12/21/2023 08:42:00	9.8	8.3	-1.5	0.00	0.00	0.00	1.6	SE
12/21/2023 08:43:00	9.1	8.1	-1.0	0.00	0.00	0.00	1.6	SE
12/21/2023 08:44:00	8.7	7.8	-0.9	0.00	0.00	0.00	1.7	E
12/21/2023 08:45:00	8.4	7.5	-0.9	0.00	0.00	0.00	1.8	ESE
12/21/2023 08:46:00	8.3	7.2	-1.1	0.00	0.00	0.00	1.8	E
12/21/2023 08:47:00	7.9	6.9	-1.0	0.00	0.00	0.00	1.8	SE
12/21/2023 08:48:00	7.2	6.7	-0.5	0.00	0.00	0.00	1.7	E
12/21/2023 08:49:00	6.7	6.5	-0.1	0.00	0.00	0.00	1.7	SE
12/21/2023 08:50:00	6.5	6.4	-0.1	0.00	0.00	0.00	1.7	SSE
12/21/2023 08:51:00	6.3	6.3	0.0	0.00	0.00	0.00	1.7	ESE
12/21/2023 08:52:00	6.5	6.2	-0.2	0.00	0.00	0.00	1.7	S
12/21/2023 08:53:00	6.6	6.5	-0.1	0.00	0.00	0.00	1.8	SW
12/21/2023 08:54:00	7.1	6.3	-0.7	0.00	0.00	0.00	1.7	SE
12/21/2023 08:55:00	7.0	6.3	-0.7	0.00	0.00	0.00	1.7	SE
12/21/2023 08:56:00	7.0	6.3	-0.7	0.00	0.00	0.00	1.7	SE
12/21/2023 08:57:00	7.0	6.4	-0.6	0.00	0.00	0.00	1.7	SE
12/21/2023 08:58:00	7.0	6.4	-0.6	0.00	0.00	0.00	1.7	E
12/21/2023 08:59:00	7.0	6.3	-0.7	0.00	0.00	0.00	1.6	ESE
12/21/2023 09:00:00	7.0	6.5	-0.5	0.00	0.00	0.00	1.6	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
12/21/2023 09:01:00	6.9	6.5	-0.4	0.00	0.00	0.00	1.6	SE
12/21/2023 09:02:00	7.0	6.6	-0.3	0.00	0.00	0.00	1.6	ESE
12/21/2023 09:03:00	7.1	6.8	-0.3	0.00	0.00	0.00	1.7	SE
12/21/2023 09:04:00	7.1	6.8	-0.3	0.00	0.00	0.00	1.8	SE
12/21/2023 09:05:00	7.1	6.8	-0.4	0.00	0.01	0.00	1.8	E
12/21/2023 09:06:00	7.2	6.7	-0.5	0.00	0.01	0.01	1.8	ESE
12/21/2023 09:07:00	7.0	6.7	-0.3	0.00	0.01	0.01	1.8	ESE
12/21/2023 09:08:00	6.7	6.3	-0.4	0.00	0.01	0.01	1.8	SSW
12/21/2023 09:09:00	6.2	6.3	0.1	0.00	0.01	0.00	1.8	SSE
12/21/2023 09:10:00	6.2	6.2	0.0	0.00	0.01	0.00	1.8	SSW
12/21/2023 09:11:00	6.2	6.1	0.0	0.00	0.01	0.00	1.8	SSE
12/21/2023 09:12:00	6.2	6.1	0.0	0.00	0.01	0.00	1.9	SE
12/21/2023 09:13:00	6.1	6.2	0.1	0.00	0.01	0.00	1.9	ESE
12/21/2023 09:14:00	6.1	6.1	0.1	0.00	0.01	0.00	1.9	SW
12/21/2023 09:15:00	6.0	6.2	0.1	0.00	0.01	0.00	1.8	SSE
12/21/2023 09:16:00	6.0	6.2	0.1	0.00	0.01	0.00	1.8	SE
12/21/2023 09:17:00	6.0	6.1	0.1	0.00	0.01	0.00	1.8	SE
12/21/2023 09:18:00	6.0	5.9	-0.1	0.01	0.01	0.00	1.8	SSE
12/21/2023 09:19:00	6.0	5.8	-0.1	0.01	0.01	0.00	1.8	SSW
12/21/2023 09:20:00	5.8	5.8	0.0	0.01	0.01	0.00	1.8	ESE
12/21/2023 09:21:00	5.8	5.9	0.1	0.01	0.01	0.00	1.8	SE
12/21/2023 09:22:00	5.8	6.0	0.3	0.01	0.01	0.00	1.7	ESE
12/21/2023 09:23:00	5.7	6.1	0.4	0.01	0.01	0.00	1.8	ESE
12/21/2023 09:24:00	5.7	6.2	0.5	0.00	0.01	0.00	1.7	E
12/21/2023 09:25:00	5.7	6.3	0.6	0.00	0.01	0.00	1.7	ESE
12/21/2023 09:26:00	5.7	6.4	0.7	0.00	0.01	0.01	1.6	E
12/21/2023 09:27:00	5.7	6.4	0.7	0.00	0.01	0.01	1.6	ESE
12/21/2023 09:28:00	5.7	6.4	0.7	0.00	0.01	0.01	1.6	SE
12/21/2023 09:29:00	5.6	6.4	0.8	0.00	0.01	0.01	1.5	E
12/21/2023 09:30:00	5.6	6.4	0.9	0.00	0.01	0.01	1.5	SE
12/21/2023 09:31:00	5.6	6.5	0.9	0.00	0.01	0.01	1.5	SE
12/21/2023 09:32:00	5.7	6.4	0.7	0.00	0.01	0.01	1.5	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
12/21/2023 09:33:00	5.8	6.7	0.9	0.00	0.01	0.01	1.5	ESE
12/21/2023 09:34:00	5.8	6.6	0.8	0.00	0.01	0.01	1.5	SE
12/21/2023 09:35:00	5.9	6.6	0.7	0.00	0.01	0.01	1.5	SE
12/21/2023 09:36:00	5.9	6.6	0.7	0.00	0.01	0.01	1.5	SSW
12/21/2023 09:37:00	6.3	6.5	0.2	0.00	0.01	0.01	1.5	E
12/21/2023 09:38:00	6.4	6.4	0.1	0.00	0.01	0.01	1.5	SE
12/21/2023 09:39:00	6.7	6.3	-0.3	0.00	0.01	0.01	1.5	ESE
12/21/2023 09:40:00	7.2	6.2	-1.0	0.00	0.01	0.01	1.5	ESE
12/21/2023 09:41:00	7.6	6.1	-1.5	0.00	0.01	0.01	1.5	E
12/21/2023 09:42:00	8.1	6.2	-1.9	0.00	0.01	0.01	1.5	ESE
12/21/2023 09:43:00	9.2	6.2	-2.9	0.00	0.01	0.01	1.5	ENE
12/21/2023 09:44:00	9.1	7.4	-1.7	0.00	0.01	0.01	1.5	SSW
12/21/2023 09:45:00	10.0	7.3	-2.6	0.00	0.01	0.01	1.5	ESE
12/21/2023 09:46:00	10.5	7.2	-3.3	0.00	0.01	0.01	1.6	E
12/21/2023 09:47:00	10.8	7.1	-3.7	0.00	0.01	0.01	1.6	ESE
12/21/2023 09:48:00	11.2	6.9	-4.3	0.00	0.01	0.01	1.7	SE
12/21/2023 09:49:00	11.3	6.8	-4.6	0.00	0.01	0.01	1.7	E
12/21/2023 09:50:00	11.9	6.6	-5.3	0.00	0.01	0.01	1.6	ESE
12/21/2023 09:51:00	12.2	6.6	-5.6	0.00	0.01	0.01	1.6	ESE
12/21/2023 09:52:00	11.9	7.1	-4.7	0.00	0.01	0.01	1.6	SSE
12/21/2023 09:53:00	12.4	7.2	-5.2	0.00	0.01	0.01	1.6	SE
12/21/2023 09:54:00	12.1	7.7	-4.4	0.00	0.01	0.00	1.6	SSE
12/21/2023 09:55:00	12.0	7.7	-4.4	0.00	0.01	0.00	1.6	E
12/21/2023 09:56:00	12.0	7.6	-4.5	0.00	0.01	0.00	1.7	E
12/21/2023 09:57:00	12.2	7.3	-4.8	0.00	0.01	0.00	1.7	SE
12/21/2023 09:58:00	11.0	8.2	-2.8	0.00	0.01	0.00	1.7	SSE
12/21/2023 09:59:00	12.2	6.9	-5.3	0.01	0.01	0.00	1.8	ESE
12/21/2023 10:00:00	12.0	6.8	-5.2	0.01	0.01	0.00	1.8	SE
12/21/2023 10:01:00	11.7	6.8	-5.0	0.01	0.01	-0.01	1.8	SE
12/21/2023 10:02:00	11.6	6.7	-4.8	0.02	0.01	-0.02	1.9	ESE
12/21/2023 10:03:00	11.2	6.5	-4.7	0.03	0.01	-0.02	1.8	ESE
12/21/2023 10:04:00	11.0	6.5	-4.4	0.03	0.01	-0.02	1.9	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
12/21/2023 10:05:00	10.6	6.5	-4.1	0.03	0.01	-0.02	2.0	SE
12/21/2023 10:06:00	10.4	6.3	-4.1	0.03	0.01	-0.02	2.0	ESE
12/21/2023 10:07:00	10.5	5.6	-4.9	0.03	0.01	-0.01	2.0	ESE
12/21/2023 10:08:00	10.0	5.4	-4.5	0.03	0.01	-0.01	2.0	ESE
12/21/2023 10:09:00	10.1	4.8	-5.3	0.03	0.01	-0.01	2.1	E
12/21/2023 10:10:00	10.1	4.7	-5.5	0.03	0.01	-0.01	2.0	SE
12/21/2023 10:11:00	10.3	4.6	-5.7	0.03	0.01	-0.01	2.0	E
12/21/2023 10:12:00	10.0	4.6	-5.4	0.03	0.01	-0.01	2.0	ESE
12/21/2023 10:13:00	10.0	4.3	-5.7	0.03	0.01	-0.02	2.0	SW
12/21/2023 10:14:00	9.3	4.2	-5.1	0.02	0.01	-0.01	1.9	SE
12/21/2023 10:15:00	8.6	5.1	-3.5	0.02	0.01	-0.01	1.9	SE
12/21/2023 10:16:00	8.1	6.3	-1.7	0.01	0.01	-0.01	1.9	SSW
12/21/2023 10:17:00	8.3	6.3	-2.0	0.01	0.01	0.00	1.8	SE
12/21/2023 10:18:00	8.3	6.3	-2.0	0.00	0.01	0.01	1.8	ENE
12/21/2023 10:19:00	8.4	6.3	-2.1	0.00	0.01	0.00	1.7	E
12/21/2023 10:20:00	8.3	6.2	-2.1	0.00	0.00	0.00	1.6	SE
12/21/2023 10:21:00	8.0	6.5	-1.5	0.00	0.00	0.00	1.7	S
12/21/2023 10:22:00	8.0	6.4	-1.6	0.00	0.00	0.00	1.7	ESE
12/21/2023 10:23:00	8.0	6.4	-1.6	0.00	0.00	0.00	1.7	NE
12/21/2023 10:24:00	8.1	6.4	-1.6	0.00	0.00	0.00	1.6	E
12/21/2023 10:25:00	7.6	6.4	-1.2	0.00	0.00	0.00	1.7	ESE
12/21/2023 10:26:00	7.2	6.5	-0.7	0.00	0.00	0.00	1.6	ESE
12/21/2023 10:27:00	7.1	6.5	-0.6	0.00	0.00	0.00	1.6	E
12/21/2023 10:28:00	7.0	6.2	-0.8	0.00	0.00	0.00	1.7	SSE
12/21/2023 10:29:00	6.8	6.2	-0.6	0.00	0.00	0.00	1.7	ESE
12/21/2023 10:30:00	7.2	5.2	-2.0	0.00	0.00	0.00	1.6	ESE
12/21/2023 10:31:00	7.4	3.9	-3.5	0.00	0.00	0.00	1.6	ESE
12/21/2023 10:32:00	6.8	4.2	-2.7	0.00	0.00	0.00	1.6	SSE
12/21/2023 10:33:00	6.8	4.3	-2.4	0.00	0.00	0.00	1.6	ESE
12/21/2023 10:34:00	6.9	4.6	-2.2	0.00	0.00	0.00	1.6	ESE
12/21/2023 10:35:00	7.3	5.2	-2.2	0.00	0.00	0.00	1.6	E
12/21/2023 10:36:00	7.5	5.6	-1.9	0.00	0.00	0.00	1.5	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
12/21/2023 10:37:00	7.9	5.8	-2.1	0.00	0.00	0.00	1.5	ESE
12/21/2023 10:38:00	8.0	5.8	-2.2	0.00	0.00	0.00	1.4	E
12/21/2023 10:39:00	8.1	5.8	-2.3	0.00	0.00	0.00	1.4	E
12/21/2023 10:40:00	8.0	7.0	-0.9	0.00	0.00	0.00	1.4	SSE
12/21/2023 10:41:00	8.6	7.1	-1.5	0.00	0.00	0.00	1.4	ESE
12/21/2023 10:42:00	9.2	7.3	-1.9	0.00	0.00	0.00	1.4	E
12/21/2023 10:43:00	10.0	6.9	-3.1	0.00	0.01	0.00	1.3	E
12/21/2023 10:44:00	9.9	7.2	-2.6	0.00	0.01	0.00	1.3	SSW
12/21/2023 10:45:00	10.0	7.4	-2.6	0.00	0.01	0.00	1.3	ESE
12/21/2023 10:46:00	10.3	7.4	-2.8	0.00	0.01	0.00	1.3	ESE
12/21/2023 10:47:00	10.4	7.5	-2.8	0.00	0.01	0.00	1.2	WSW
12/21/2023 10:48:00	10.3	7.7	-2.5	0.00	0.01	0.00	1.2	W
12/21/2023 10:49:00	10.0	8.2	-1.8	0.00	0.01	0.00	1.1	W
12/21/2023 10:50:00	10.4	7.7	-2.7	0.00	0.01	0.00	1.1	ESE
12/21/2023 10:51:00	11.2	7.1	-4.1	0.00	0.01	0.00	1.2	E
12/21/2023 10:52:00	10.9	7.0	-3.9	0.00	0.01	0.00	1.2	E
12/21/2023 10:53:00	10.7	7.0	-3.8	0.00	0.01	0.00	1.3	E
12/21/2023 10:54:00	10.5	6.9	-3.6	0.00	0.01	0.00	1.2	ESE
12/21/2023 10:55:00	10.8	5.7	-5.1	0.00	0.01	0.00	1.2	SE
12/21/2023 10:56:00	10.3	5.6	-4.7	0.00	0.01	0.00	1.2	ESE
12/21/2023 10:57:00	9.5	5.5	-4.0	0.00	0.00	0.00	1.2	SE
12/21/2023 10:58:00	9.1	5.5	-3.6	0.00	0.00	0.00	1.3	ESE
12/21/2023 10:59:00	9.0	5.2	-3.8	0.00	0.00	0.00	1.3	SE
12/21/2023 11:00:00	8.5	5.3	-3.2	0.00	0.00	0.00	1.3	SSW
12/21/2023 11:01:00	8.2	5.3	-2.8	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:02:00	8.3	5.0	-3.2	0.00	0.00	0.00	1.4	E
12/21/2023 11:03:00	8.3	4.7	-3.6	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:04:00	8.5	4.1	-4.4	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:05:00	7.7	4.2	-3.5	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:06:00	6.8	4.2	-2.7	0.00	0.00	0.00	1.3	ESE
12/21/2023 11:07:00	6.8	4.2	-2.6	0.00	0.00	0.00	1.3	ESE
12/21/2023 11:08:00	6.6	4.4	-2.1	0.00	0.00	0.00	1.2	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
12/21/2023 11:09:00	6.6	4.5	-2.1	0.00	0.00	0.00	1.2	E
12/21/2023 11:10:00	6.5	4.6	-1.9	0.00	0.00	0.00	1.2	ENE
12/21/2023 11:11:00	6.3	4.7	-1.6	0.00	0.00	0.00	1.2	SE
12/21/2023 11:12:00	6.2	4.9	-1.3	0.00	0.00	0.00	1.2	S
12/21/2023 11:13:00	6.0	5.4	-0.7	0.00	0.00	0.00	1.1	SSW
12/21/2023 11:14:00	5.9	5.8	-0.1	0.00	0.00	0.00	1.1	WSW
12/21/2023 11:15:00	6.2	5.7	-0.5	0.00	0.00	0.00	1.0	ENE
12/21/2023 11:16:00	6.3	5.8	-0.5	0.00	0.00	0.00	0.9	WSW
12/21/2023 11:17:00	6.5	6.0	-0.5	0.00	0.00	0.00	0.9	SW
12/21/2023 11:18:00				0.00	0.00	0.00	1.0	SSW
12/21/2023 11:19:00				0.00	0.00	0.00	1.0	WSW
12/21/2023 11:20:00				0.00	0.00	0.00	0.9	S
12/21/2023 11:21:00				0.00	0.00	0.00	1.0	SE
12/21/2023 11:22:00	4.9	6.0	1.2	0.00	0.00	0.00	0.9	SSW
12/21/2023 11:23:00	4.4	5.8	1.5	0.00	0.00	0.00	0.9	SSW
12/21/2023 11:24:00	4.3	6.7	2.5	0.00	0.01	0.00	0.9	WSW
12/21/2023 11:25:00	6.8	8.1	1.3	0.00	0.01	0.00	1.0	SSW
12/21/2023 11:26:00	7.6	8.7	1.1	0.01	0.01	0.00	1.0	SW
12/21/2023 11:27:00	7.8	8.5	0.7	0.01	0.01	0.00	1.0	W
12/21/2023 11:28:00	8.3	8.3	0.0	0.01	0.01	0.00	1.0	WSW
12/21/2023 11:29:00	8.9	8.2	-0.7	0.01	0.01	0.00	1.0	WSW
12/21/2023 11:30:00	9.5	8.4	-1.1	0.01	0.01	0.00	1.0	WSW
12/21/2023 11:31:00	9.2	8.7	-0.6	0.01	0.01	0.00	1.1	WSW
12/21/2023 11:32:00	9.3	8.9	-0.4	0.01	0.01	0.00	1.1	WSW
12/21/2023 11:33:00	9.3	8.8	-0.5	0.01	0.01	0.00	1.1	WSW
12/21/2023 11:34:00	9.0	8.6	-0.4	0.01	0.01	0.00	1.1	WSW
12/21/2023 11:35:00	8.8	8.5	-0.3	0.01	0.01	0.00	1.1	S
12/21/2023 11:36:00	8.8	8.3	-0.6	0.01	0.01	0.00	1.1	SE
12/21/2023 11:37:00	8.8	8.4	-0.4	0.01	0.01	0.00	1.1	S
12/21/2023 11:38:00	9.0	8.4	-0.6	0.01	0.01	0.00	1.2	S
12/21/2023 11:39:00	9.1	8.1	-1.0	0.01	0.01	0.00	1.1	ESE
12/21/2023 11:40:00	8.7	7.5	-1.2	0.01	0.01	0.00	1.1	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
12/21/2023 11:41:00	8.3	7.0	-1.4	0.01	0.01	0.00	1.1	SE
12/21/2023 11:42:00	8.1	6.7	-1.3	0.01	0.00	0.00	1.1	E
12/21/2023 11:43:00	7.7	6.7	-1.1	0.01	0.00	0.00	1.1	SSE
12/21/2023 11:44:00	7.4	6.7	-0.6	0.01	0.00	0.00	1.1	SE
12/21/2023 11:45:00	6.9	6.5	-0.4	0.01	0.00	0.00	1.2	SSW
12/21/2023 11:46:00	6.8	6.4	-0.4	0.01	0.00	0.00	1.2	E
12/21/2023 11:47:00	6.4	6.0	-0.5	0.00	0.00	0.00	1.3	ESE
12/21/2023 11:48:00	6.1	6.0	-0.1	0.00	0.00	0.00	1.3	ESE
12/21/2023 11:49:00	6.2	5.9	-0.3	0.00	0.00	0.00	1.3	SE
12/21/2023 11:50:00	6.1	5.5	-0.6	0.00	0.00	0.00	1.3	E
12/21/2023 11:51:00	5.7	5.6	-0.1	0.00	0.00	0.00	1.3	S
12/21/2023 11:52:00	5.5	5.3	-0.2	0.00	0.00	0.00	1.3	SE
12/21/2023 11:53:00	5.4	5.1	-0.3	0.00	0.00	0.00	1.3	ESE
12/21/2023 11:54:00	5.2	5.0	-0.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:55:00	4.9	4.9	0.0	0.00	0.00	0.00	1.4	E
12/21/2023 11:56:00	4.8	4.8	0.1	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:57:00	4.7	4.7	0.1	0.00	0.00	0.00	1.4	ESE
12/21/2023 11:58:00	4.4	4.6	0.2	0.00	0.00	0.00	1.4	W
12/21/2023 11:59:00	4.1	4.4	0.2	0.00	0.00	0.00	1.4	SSW
12/21/2023 12:00:00	4.0	4.2	0.2	0.00	0.00	0.00	1.3	SE
12/21/2023 12:01:00	3.9	3.8	-0.1	0.00	0.00	0.00	1.3	E
12/21/2023 12:02:00	3.9	3.6	-0.3	0.00	0.00	0.00	1.2	E
12/21/2023 12:03:00	3.9	3.3	-0.6	0.00	0.00	0.00	1.2	ESE
12/21/2023 12:04:00	3.6	3.2	-0.5	0.00	0.00	0.00	1.2	SE
12/21/2023 12:05:00	3.6	3.3	-0.3	0.00	0.00	0.00	1.2	ESE
12/21/2023 12:06:00	3.7	3.1	-0.6	0.00	0.00	0.00	1.2	ESE
12/21/2023 12:07:00	3.8	3.1	-0.7	0.00	0.00	0.00	1.2	SSE
12/21/2023 12:08:00	3.7	3.3	-0.5	0.00	0.00	0.00	1.1	SSW
12/21/2023 12:09:00	3.8	3.3	-0.4	0.00	0.00	0.00	1.1	SE
12/21/2023 12:10:00	3.8	3.4	-0.5	0.00	0.00	0.00	1.1	ESE
12/21/2023 12:11:00	3.9	3.3	-0.5	0.00	0.00	0.00	1.2	ESE
12/21/2023 12:12:00	3.8	3.4	-0.3	0.00	0.00	0.00	1.2	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
12/21/2023 12:13:00	3.8	3.3	-0.6	0.00	0.00	0.00	1.3	E
12/21/2023 12:14:00	3.8	3.1	-0.7	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:15:00	3.8	3.0	-0.8	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:16:00	3.7	3.0	-0.7	0.00	0.00	0.00	1.3	SSW
12/21/2023 12:17:00	3.6	3.1	-0.6	0.00	0.00	0.00	1.3	SW
12/21/2023 12:18:00	3.5	3.2	-0.3	0.00	0.00	0.00	1.3	SE
12/21/2023 12:19:00	3.6	3.1	-0.5	0.00	0.00	0.00	1.3	E
12/21/2023 12:20:00	3.6	3.0	-0.6	0.00	0.00	0.00	1.3	E
12/21/2023 12:21:00	3.9	3.1	-0.8	0.00	0.00	0.00	1.3	E
12/21/2023 12:22:00	4.2	3.0	-1.1	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:23:00	4.5	2.9	-1.5	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:24:00	4.3	3.2	-1.1	0.00	0.00	0.00	1.3	SSW
12/21/2023 12:25:00	4.4	3.2	-1.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 12:26:00	4.4	3.2	-1.2	0.00	0.00	0.00	1.4	E
12/21/2023 12:27:00	4.4	3.2	-1.2	0.00	0.00	0.00	1.4	SW
12/21/2023 12:28:00	4.4	3.4	-1.0	0.00	0.00	0.00	1.4	W
12/21/2023 12:29:00	4.4	3.4	-1.1	0.00	0.00	0.00	1.4	E
12/21/2023 12:30:00	4.5	3.4	-1.1	0.00	0.00	0.00	1.4	E
12/21/2023 12:31:00	4.5	3.3	-1.2	0.00	0.00	0.00	1.5	ESE
12/21/2023 12:32:00	4.5	3.1	-1.4	0.00	0.00	0.00	1.5	SE
12/21/2023 12:33:00	4.6	3.0	-1.6	0.00	0.00	0.00	1.5	E
12/21/2023 12:34:00	4.6	3.0	-1.6	0.00	0.00	0.00	1.4	E
12/21/2023 12:35:00	4.6	3.0	-1.6	0.00	0.00	0.00	1.4	SE
12/21/2023 12:36:00	4.3	2.9	-1.4	0.00	0.00	0.00	1.4	SE
12/21/2023 12:37:00	4.2	2.9	-1.3	0.00	0.00	0.00	1.4	E
12/21/2023 12:38:00	4.0	2.9	-1.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 12:39:00	4.4	2.7	-1.6	0.00	0.00	0.00	1.5	SE
12/21/2023 12:40:00	4.4	3.2	-1.2	0.00	0.00	0.00	1.5	S
12/21/2023 12:41:00	4.5	3.3	-1.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 12:42:00	4.8	3.1	-1.7	0.00	0.00	0.00	1.4	E
12/21/2023 12:43:00	5.1	3.0	-2.1	0.00	0.00	0.00	1.4	ESE
12/21/2023 12:44:00	5.1	3.2	-1.9	0.00	0.00	0.00	1.4	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
12/21/2023 12:45:00	5.2	3.3	-1.9	0.00	0.00	0.00	1.4	E
12/21/2023 12:46:00	5.3	3.3	-1.9	0.00	0.00	0.00	1.3	E
12/21/2023 12:47:00	5.4	3.7	-1.7	0.00	0.00	0.00	1.3	SE
12/21/2023 12:48:00	5.4	4.1	-1.3	0.00	0.00	0.00	1.3	S
12/21/2023 12:49:00	5.4	4.3	-1.1	0.00	0.00	0.00	1.3	SSW
12/21/2023 12:50:00	5.7	4.6	-1.1	0.00	0.00	0.00	1.4	SSW
12/21/2023 12:51:00	5.9	4.7	-1.2	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:52:00	6.3	4.9	-1.4	0.00	0.00	0.00	1.4	S
12/21/2023 12:53:00	6.3	5.3	-1.0	0.00	0.00	0.00	1.4	E
12/21/2023 12:54:00	6.2	5.1	-1.1	0.00	0.00	0.00	1.4	SE
12/21/2023 12:55:00	6.3	4.7	-1.6	0.00	0.00	0.00	1.3	SE
12/21/2023 12:56:00	6.4	4.7	-1.7	0.00	0.00	0.00	1.3	SE
12/21/2023 12:57:00	6.1	5.0	-1.1	0.00	0.00	0.00	1.3	SSE
12/21/2023 12:58:00	6.0	5.0	-1.0	0.00	0.00	0.00	1.3	ESE
12/21/2023 12:59:00	6.0	5.1	-0.9	0.00	0.00	0.00	1.3	WSW
12/21/2023 13:00:00	6.9	5.1	-1.8	0.00	0.00	0.00	1.4	ESE
12/21/2023 13:01:00	6.7	5.7	-1.1	0.00	0.00	0.00	1.5	SSE
12/21/2023 13:02:00	6.9	5.4	-1.4	0.00	0.00	0.00	1.5	ESE
12/21/2023 13:03:00	7.4	5.2	-2.2	0.00	0.00	0.00	1.6	ESE
12/21/2023 13:04:00	7.8	5.0	-2.8	0.00	0.00	0.00	1.6	SE
12/21/2023 13:05:00	7.9	4.7	-3.3	0.00	0.00	0.00	1.6	ESE
12/21/2023 13:06:00	8.1	4.6	-3.5	0.00	0.00	0.00	1.6	SE
12/21/2023 13:07:00	8.0	4.4	-3.6	0.00	0.00	0.00	1.6	SE
12/21/2023 13:08:00	7.8	4.6	-3.2	0.00	0.00	0.00	1.6	SSE
12/21/2023 13:09:00	8.0	4.6	-3.5	0.00	0.00	0.00	1.5	SE
12/21/2023 13:10:00	8.1	4.6	-3.5	0.00	0.00	0.00	1.5	ESE
12/21/2023 13:11:00	8.5	4.7	-3.8	0.00	0.00	0.00	1.5	SE
12/21/2023 13:12:00	10.7	4.7	-6.0	0.00	0.00	0.00	1.5	E
12/21/2023 13:13:00	11.2	4.8	-6.4	0.00	0.00	0.00	1.4	ESE
12/21/2023 13:14:00	12.8	4.6	-8.2	0.00	0.00	0.00	1.4	E
12/21/2023 13:15:00	12.4	4.6	-7.8	0.00	0.00	0.00	1.4	E
12/21/2023 13:16:00	13.6	4.2	-9.5	0.00	0.00	0.00	1.3	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
12/21/2023 13:17:00	14.5	4.3	-10.2	0.00	0.00	0.00	1.2	E
12/21/2023 13:18:00	14.9	4.4	-10.5	0.00	0.00	0.00	1.1	ENE
12/21/2023 13:19:00	14.6	5.1	-9.5	0.00	0.00	0.00	1.2	WSW
12/21/2023 13:20:00	14.6	6.2	-8.4	0.00	0.01	0.01	1.2	SSW
12/21/2023 13:21:00	15.1	7.4	-7.7	0.00	0.01	0.01	1.2	SW
12/21/2023 13:22:00	14.9	8.3	-6.6	0.00	0.02	0.01	1.2	SSE
12/21/2023 13:23:00	15.8	7.8	-8.0	0.00	0.02	0.01	1.2	E
12/21/2023 13:24:00	15.9	8.0	-8.0	0.00	0.02	0.01	1.2	E
12/21/2023 13:25:00	15.6	8.9	-6.7	0.00	0.02	0.01	1.2	SSW
12/21/2023 13:26:00	15.1	9.9	-5.1	0.00	0.01	0.01	1.2	W
12/21/2023 13:27:00	13.1	11.2	-1.9	0.00	0.01	0.01	1.2	WSW
12/21/2023 13:28:00	12.8	11.8	-0.9	0.00	0.01	0.01	1.2	S
12/21/2023 13:29:00	11.9	11.9	0.1	0.00	0.01	0.01	1.3	ESE
12/21/2023 13:30:00	11.2	13.5	2.3	0.00	0.01	0.01	1.2	S
12/21/2023 13:31:00	10.9	13.4	2.4	0.00	0.01	0.01	1.3	ESE
12/21/2023 13:32:00	10.3	13.2	3.0	0.00	0.02	0.01	1.3	ESE
12/21/2023 13:33:00	9.5	14.3	4.8	0.00	0.02	0.01	1.3	SW
12/21/2023 13:34:00	9.4	14.7	5.3	0.00	0.02	0.01	1.3	SW
12/21/2023 13:35:00	9.7	13.8	4.1	0.00	0.01	0.01	1.3	ESE
12/21/2023 13:36:00	9.7	14.0	4.3	0.00	0.01	0.00	1.3	SW
12/21/2023 13:37:00	10.7	13.8	3.1	0.00	0.00	0.00	1.3	SE
12/21/2023 13:38:00	10.7	14.2	3.5	0.00	0.00	0.00	1.4	ESE
12/21/2023 13:39:00	11.3	14.2	2.9	0.00	0.00	0.00	1.4	E
12/21/2023 13:40:00	11.3	13.9	2.6	0.00	0.00	0.00	1.4	S
12/21/2023 13:41:00	11.2	13.2	1.9	0.00	0.00	0.00	1.4	WSW
12/21/2023 13:42:00	12.4	12.7	0.3	0.00	0.00	0.00	1.4	WSW
12/21/2023 13:43:00	13.8	12.5	-1.3	0.00	0.01	0.00	1.4	SE
12/21/2023 13:44:00	14.4	12.6	-1.8	0.00	0.01	0.00	1.4	ESE
12/21/2023 13:45:00	16.1	12.1	-4.0	0.00	0.01	0.00	1.4	SE
12/21/2023 13:46:00	15.4	12.6	-2.8	0.00	0.01	0.00	1.5	SSE
12/21/2023 13:47:00	15.5	13.0	-2.4	0.00	0.01	0.00	1.5	ESE
12/21/2023 13:48:00	16.5	13.3	-3.2	0.00	0.01	0.00	1.5	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
12/21/2023 13:49:00	16.9	12.7	-4.3	0.00	0.01	0.00	1.6	SE
12/21/2023 13:50:00	16.8	13.4	-3.4	0.00	0.01	0.00	1.6	ESE
12/21/2023 13:51:00	16.9	12.7	-4.3	0.00	0.01	0.00	1.6	SE
12/21/2023 13:52:00	16.1	12.1	-4.0	0.00	0.00	0.00	1.7	E
12/21/2023 13:53:00	15.9	12.8	-3.1	0.00	0.00	0.00	1.6	SE
12/21/2023 13:54:00	15.4	13.0	-2.3	0.00	0.00	0.00	1.6	ESE
12/21/2023 13:55:00	16.0	12.4	-3.6	0.00	0.00	0.00	1.7	E
12/21/2023 13:56:00	16.6	12.3	-4.4	0.00	0.00	0.00	1.7	ESE
12/21/2023 13:57:00	16.1	11.3	-4.8	0.00	0.00	0.00	1.9	ESE
12/21/2023 13:58:00	14.8	10.6	-4.1	0.00	0.00	0.00	1.8	E
12/21/2023 13:59:00	13.9	10.4	-3.5	0.00	0.00	0.00	1.8	SE
12/21/2023 14:00:00	12.9	9.4	-3.5	0.00	0.00	0.00	1.7	ESE
12/21/2023 14:01:00	12.5	9.4	-3.1	0.00	0.00	0.00	1.7	S
12/21/2023 14:02:00	12.6	9.1	-3.5	0.00	0.00	0.00	1.7	ESE
12/21/2023 14:03:00	12.3	8.0	-4.3	0.00	0.00	0.00	1.7	ESE
12/21/2023 14:04:00	12.3	7.8	-4.5	0.00	0.00	0.00	1.7	SE
12/21/2023 14:05:00	12.5	6.9	-5.5	0.00	0.00	0.00	1.7	ESE
12/21/2023 14:06:00	11.5	7.0	-4.5	0.00	0.00	0.00	1.7	S
12/21/2023 14:07:00	10.9	7.5	-3.4	0.00	0.00	0.00	1.6	S
12/21/2023 14:08:00	11.2	7.0	-4.1	0.00	0.00	0.00	1.6	SE
12/21/2023 14:09:00	11.0	7.1	-4.0	0.00	0.00	0.00	1.6	E
12/21/2023 14:10:00	10.7	7.2	-3.5	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:11:00	10.8	7.3	-3.4	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:12:00	11.7	8.8	-2.9	0.00	0.00	0.00	1.4	SE
12/21/2023 14:13:00	11.5	9.6	-1.9	0.00	0.00	0.00	1.4	SSE
12/21/2023 14:14:00	12.0	11.3	-0.7	0.00	0.00	0.00	1.4	SE
12/21/2023 14:15:00	12.3	13.1	0.9	0.00	0.00	0.00	1.4	E
12/21/2023 14:16:00	12.4	13.3	0.8	0.00	0.00	0.00	1.4	SW
12/21/2023 14:17:00	12.7	13.2	0.5	0.00	0.00	0.00	1.4	E
12/21/2023 14:18:00	13.2	13.0	-0.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 14:19:00	13.6	12.6	-1.0	0.00	0.00	0.00	1.4	E
12/21/2023 14:20:00	13.3	12.7	-0.6	0.00	0.00	0.00	1.3	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
12/21/2023 14:21:00	14.1	13.6	-0.5	0.00	0.00	0.00	1.3	SE
12/21/2023 14:22:00	16.1	13.5	-2.6	0.00	0.00	0.00	1.2	SSE
12/21/2023 14:23:00	15.9	13.8	-2.1	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:24:00	16.2	13.5	-2.7	0.00	0.00	0.00	1.1	SE
12/21/2023 14:25:00	17.6	13.7	-3.9	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:26:00	18.4	13.7	-4.7	0.00	0.00	0.00	1.2	SE
12/21/2023 14:27:00	17.3	12.6	-4.8	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:28:00	17.4	12.2	-5.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:29:00	16.9	10.8	-6.0	0.00	0.00	0.00	1.2	SSE
12/21/2023 14:30:00	16.2	9.0	-7.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:31:00	16.1	8.2	-8.0	0.00	0.00	0.00	1.3	SE
12/21/2023 14:32:00	15.3	8.0	-7.3	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:33:00	14.1	7.9	-6.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:34:00	13.0	7.8	-5.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 14:35:00	12.4	7.6	-4.8	0.00	0.00	0.00	1.3	SE
12/21/2023 14:36:00	11.8	6.0	-5.8	0.00	0.00	0.00	1.4	SE
12/21/2023 14:37:00	10.0	5.2	-4.8	0.00	0.00	0.00	1.5	E
12/21/2023 14:38:00	9.5	4.4	-5.1	0.00	0.00	0.00	1.5	SE
12/21/2023 14:39:00	8.9	4.3	-4.6	0.00	0.00	0.00	1.5	ENE
12/21/2023 14:40:00	7.1	4.5	-2.6	0.00	0.00	0.00	1.5	SSE
12/21/2023 14:41:00	6.6	4.1	-2.5	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:42:00	6.9	3.8	-3.1	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:43:00	7.5	3.5	-4.0	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:44:00	7.9	3.8	-4.0	0.00	0.00	0.00	1.5	ESE
12/21/2023 14:45:00	8.7	4.5	-4.2	0.00	0.00	0.00	1.5	SE
12/21/2023 14:46:00	9.1	4.6	-4.4	0.00	0.00	0.00	1.5	E
12/21/2023 14:47:00	8.9	5.0	-3.9	0.00	0.00	0.00	1.5	SSE
12/21/2023 14:48:00	9.4	5.0	-4.4	0.00	0.00	0.00	1.5	E
12/21/2023 14:49:00	9.8	5.0	-4.8	0.00	0.00	0.00	1.6	E
12/21/2023 14:50:00	10.3	5.0	-5.3	0.00	0.00	0.00	1.6	E
12/21/2023 14:51:00	10.2	5.7	-4.5	0.00	0.00	0.00	1.6	SE
12/21/2023 14:52:00	10.6	5.8	-4.7	0.00	0.01	0.00	1.6	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
12/21/2023 14:53:00	10.9	5.8	-5.1	0.00	0.01	0.00	1.6	ESE
12/21/2023 14:54:00	10.9	5.9	-5.0	0.00	0.01	0.00	1.6	SE
12/21/2023 14:55:00	11.1	5.5	-5.5	0.00	0.01	0.01	1.6	WSW
12/21/2023 14:56:00	10.8	5.5	-5.3	0.00	0.00	0.00	1.6	SE
12/21/2023 14:57:00	10.6	5.5	-5.1	0.00	0.00	0.00	1.6	E
12/21/2023 14:58:00	10.1	5.4	-4.7	0.00	0.00	0.00	1.7	ESE
12/21/2023 14:59:00	9.5	4.8	-4.6	0.00	0.00	0.00	1.7	ENE
12/21/2023 15:00:00	8.7	4.2	-4.5	0.00	0.00	0.00	1.6	SE
12/21/2023 15:01:00	8.1	4.4	-3.7	0.00	0.00	0.00	1.6	W
12/21/2023 15:02:00	8.4	4.1	-4.3	0.00	0.00	0.00	1.6	ESE
12/21/2023 15:03:00	9.8	4.4	-5.4	0.00	0.00	0.00	1.6	WSW
12/21/2023 15:04:00	10.7	5.0	-5.7	0.00	0.00	0.00	1.5	WSW
12/21/2023 15:05:00	10.4	5.5	-5.0	0.00	0.00	0.00	1.4	SSE
12/21/2023 15:06:00	10.8	4.8	-6.1	0.00	0.00	0.00	1.4	E
12/21/2023 15:07:00	10.6	4.7	-5.9	0.00	0.00	0.00	1.3	SE
12/21/2023 15:08:00	10.2	4.6	-5.6	0.00	0.00	0.00	1.3	E
12/21/2023 15:09:00	10.1	4.5	-5.6	0.00	0.00	0.00	1.3	SE
12/21/2023 15:10:00	10.1	4.5	-5.6	0.00	0.00	0.00	1.3	E
12/21/2023 15:11:00	9.5	4.4	-5.0	0.00	0.00	0.00	1.3	SE
12/21/2023 15:12:00	8.8	5.0	-3.8	0.00	0.00	0.00	1.2	SSE
12/21/2023 15:13:00	8.6	5.0	-3.6	0.00	0.00	0.00	1.2	ESE
12/21/2023 15:14:00	8.6	5.1	-3.5	0.00	0.00	0.00	1.2	ESE
12/21/2023 15:15:00	8.6	5.3	-3.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 15:16:00				0.00	0.00	0.00	1.3	E
12/21/2023 15:17:00				0.00	0.00	0.00	1.3	ESE
12/21/2023 15:18:00				0.00	0.00	0.00	1.2	SE
12/21/2023 15:19:00				0.00	0.00	0.00	1.2	SE
12/21/2023 15:20:00	3.9	1.7	-2.1	0.00	0.00	0.00	1.2	ESE
12/21/2023 15:21:00	3.8	1.7	-2.1	0.00	0.00	0.00	1.2	ENE
12/21/2023 15:22:00	4.0	1.8	-2.2	0.00	0.00	0.00	1.2	NE
12/21/2023 15:23:00	4.1	1.7	-2.4	0.00	0.00	0.00	1.2	E
12/21/2023 15:24:00	4.4	2.0	-2.4	0.00	0.00	0.00	1.2	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
12/21/2023 15:25:00	5.0	2.1	-3.0	0.00	0.00	0.00	1.2	SE
12/21/2023 15:26:00	5.2	2.0	-3.2	0.00	0.00	0.00	1.2	ESE
12/21/2023 15:27:00	5.0	1.9	-3.1	0.00	0.00	0.00	1.3	ESE
12/21/2023 15:28:00	4.9	2.0	-2.9	0.00	0.00	0.00	1.3	E
12/21/2023 15:29:00	4.8	2.1	-2.8	0.00	0.00	0.00	1.3	ESE
12/21/2023 15:30:00	4.9	2.2	-2.7	0.00	0.00	0.00	1.3	ESE
12/21/2023 15:31:00	5.0	2.2	-2.8	0.00	0.00	0.00	1.3	E
12/21/2023 15:32:00	5.2	2.2	-3.0	0.00	0.00	0.00	1.3	ESE
12/21/2023 15:33:00	5.3	2.1	-3.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 15:34:00	5.1	2.4	-2.8	0.00	0.00	0.00	1.4	SSE
12/21/2023 15:35:00	5.2	2.4	-2.8	0.00	0.00	0.00	1.4	ESE
12/21/2023 15:36:00	5.2	2.4	-2.9	0.00	0.00	0.00	1.5	E
12/21/2023 15:37:00	5.3	2.3	-2.9	0.00	0.00	0.00	1.5	E
12/21/2023 15:38:00	5.2	2.4	-2.8	0.00	0.00	0.00	1.5	ESE
12/21/2023 15:39:00	5.0	2.4	-2.7	0.00	0.00	0.00	1.5	E
12/21/2023 15:40:00	4.7	2.4	-2.4	0.00	0.00	0.00	1.5	ESE
12/21/2023 15:41:00	4.6	2.4	-2.2	0.00	0.00	0.00	1.5	ESE
12/21/2023 15:42:00	4.5	2.4	-2.2	0.00	0.00	0.00	1.5	ESE
12/21/2023 15:43:00	4.5	2.3	-2.2	0.00	0.00	0.00	1.4	ESE
12/21/2023 15:44:00	4.4	2.2	-2.2	0.00	0.00	0.00	1.4	SE
12/21/2023 15:45:00	4.1	2.2	-1.9	0.00	0.00	0.00	1.5	SE
12/21/2023 15:46:00	3.7	2.2	-1.5	0.00	0.00	0.00	1.4	SSE
12/21/2023 15:47:00	3.4	2.1	-1.3	0.00	0.00	0.00	1.4	SE
12/21/2023 15:48:00	3.0	2.2	-0.8	0.00	0.00	0.00	1.4	SSW
12/21/2023 15:49:00	3.0	1.9	-1.1	0.00	0.00	0.00	1.5	SE
12/21/2023 15:50:00	2.9	1.8	-1.1	0.00	0.00	0.00	1.5	E
12/21/2023 15:51:00	2.8	1.7	-1.0	0.00	0.00	0.00	1.5	SE
12/21/2023 15:52:00	2.7	1.7	-0.9	0.00	0.00	0.00	1.6	SE
12/21/2023 15:53:00	2.6	1.6	-1.0	0.00	0.00	0.00	1.6	ESE
12/21/2023 15:54:00	2.6	1.5	-1.1	0.00	0.00	0.00	1.6	ESE
12/21/2023 15:55:00	2.8	1.4	-1.3	0.00	0.00	0.00	1.7	SE
12/21/2023 15:56:00	2.7	1.4	-1.3	0.00	0.00	0.00	1.7	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
12/21/2023 15:57:00	2.7	1.4	-1.2	0.00	0.00	0.00	1.7	ESE
12/21/2023 15:58:00	2.7	1.4	-1.3	0.00	0.00	0.00	1.8	SE
12/21/2023 15:59:00	2.6	1.3	-1.3	0.00	0.00	0.00	1.8	E
12/21/2023 16:00:00	2.8	1.1	-1.6	0.00	0.00	0.00	1.8	SE
12/21/2023 16:01:00	2.9	1.0	-1.9	0.00	0.00	0.00	1.9	E
12/21/2023 16:02:00	2.9	1.0	-2.0	0.00	0.00	0.00	1.9	E
12/21/2023 16:03:00	3.1	0.8	-2.3	0.00	0.00	0.00	1.9	E
12/21/2023 16:04:00	3.1	0.8	-2.3	0.00	0.00	0.00	1.8	ESE
12/21/2023 16:05:00	3.1	0.8	-2.3	0.00	0.00	0.00	1.8	ESE
12/21/2023 16:06:00	3.1	0.8	-2.3	0.00	0.00	0.00	1.7	E
12/21/2023 16:07:00	3.0	0.8	-2.3	0.00	0.00	0.00	1.7	SE
12/21/2023 16:08:00	3.0	0.8	-2.2	0.00	0.00	0.00	1.8	ESE
12/21/2023 16:09:00	2.9	0.7	-2.2	0.00	0.00	0.00	1.9	ESE
12/21/2023 16:10:00	2.8	0.7	-2.1	0.00	0.00	0.00	1.8	E
12/21/2023 16:11:00	2.7	0.6	-2.1	0.00	0.00	0.00	1.7	E
12/21/2023 16:12:00	2.8	0.6	-2.1	0.00	0.00	0.00	1.7	E
12/21/2023 16:13:00	2.8	0.6	-2.2	0.00	0.00	0.00	1.6	SE
12/21/2023 16:14:00	3.2	0.6	-2.6	0.00	0.00	0.00	1.6	SE
12/21/2023 16:15:00	3.4	0.6	-2.8	0.00	0.00	0.00	1.6	E
12/21/2023 16:16:00	3.2	0.9	-2.3	0.00	0.00	0.00	1.5	SSE
12/21/2023 16:17:00	3.3	0.8	-2.4	0.00	0.00	0.00	1.5	ESE
12/21/2023 16:18:00	3.4	0.9	-2.5	0.00	0.00	0.00	1.6	ESE
12/21/2023 16:19:00	3.6	0.9	-2.6	0.00	0.00	0.00	1.6	SE
12/21/2023 16:20:00	3.7	1.0	-2.8	0.00	0.00	0.00	1.6	SE
12/21/2023 16:21:00	3.9	1.0	-2.9	0.00	0.00	0.00	1.6	E
12/21/2023 16:22:00	3.8	1.2	-2.5	0.00	0.00	0.00	1.6	S
12/21/2023 16:23:00	3.6	1.5	-2.2	0.00	0.00	0.00	1.5	SSW
12/21/2023 16:24:00	3.5	1.8	-1.8	0.00	0.00	0.00	1.4	SE
12/21/2023 16:25:00	3.6	2.1	-1.5	0.00	0.00	0.00	1.4	SSW
12/21/2023 16:26:00	3.8	2.2	-1.6	0.00	0.00	0.00	1.5	SE
12/21/2023 16:27:00	3.6	2.4	-1.2	0.00	0.00	0.00	1.4	SSW
12/21/2023 16:28:00	3.7	2.5	-1.3	0.00	0.00	0.00	1.4	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
12/21/2023 16:29:00	3.4	2.6	-0.9	0.00	0.00	0.00	1.4	ESE
12/21/2023 16:30:00	3.1	2.8	-0.3	0.00	0.00	0.00	1.4	SSE
12/21/2023 16:31:00	3.4	2.5	-0.8	0.00	0.00	0.00	1.4	E
12/21/2023 16:32:00	3.3	2.5	-0.8	0.00	0.00	0.00	1.3	ESE
12/21/2023 16:33:00	3.2	2.5	-0.7	0.00	0.00	0.00	1.3	ESE
12/21/2023 16:34:00	2.8	2.6	-0.2	0.00	0.00	0.00	1.3	SSE
12/21/2023 16:35:00	2.5	3.0	0.5	0.00	0.00	0.00	1.3	SW
12/21/2023 16:36:00	2.7	3.0	0.3	0.00	0.00	0.00	1.3	E
12/21/2023 16:37:00	2.7	3.2	0.4	0.00	0.00	0.00	1.2	S
12/21/2023 16:38:00	3.0	2.9	-0.1	0.00	0.00	0.00	1.3	SE
12/21/2023 16:39:00	3.3	2.6	-0.6	0.00	0.00	0.00	1.4	E
12/21/2023 16:40:00	3.3	2.4	-1.0	0.00	0.00	0.00	1.4	E
12/21/2023 16:41:00	3.2	2.4	-0.8	0.00	0.00	0.00	1.3	ESE
12/21/2023 16:42:00	3.5	2.2	-1.3	0.00	0.00	0.00	1.3	E