

DAILY FIELD REPORT 051

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	August 16, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 4:45 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 excavated one about 15-foot-long by 35-foot-wide area from about 4 feet below grade surface (bgs) to about 7 feet bgs and one about 15-foot-long by 35-foot-wide area to about 5 feet bgs in the northern and southern parts of waste characterization grid WC03_0-5, respectively, to prepare for the installation of caisson casings. Excavated soil/fill was stockpiled in the central part of grid WC02 and covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban relocated the existing stockpile in the central part of grid WC02 to the eastern part of WC02 and western part of WC03. The stockpile was covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban graded an about 100-foot-long by 100-foot-wide area of soil/fill in the eastern part of grid WC02 and the western part of grid 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 installed two caisson casings using a CAT00 Custom Build 3 Double L drilling rig in the central part of the site.
- Urban drilled two rock sockets for two caissons using a Bauer BG 28H drilling rig in the eastern part of the site.
- The New York State Department of Environmental Conservation (NYSDEC) was on-site to discuss the implementation of the NYSDEC-approved Remedial Action Work Plan (RAWP), including community air monitoring (CAMP), dust suppression, and off-site disposal of soil/fill with Langan, Consigli, and Urban.

Material Tracking:

- The following soil/fill was exported from the site:
 - 3 loads of soil/fill from waste characterization grids WC03_0-5, WC03_5-10, and WC04_0-5 to the Bayshore Soil Management, LLC facility in Keasbey, NJ.
- No material was imported to the site.

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
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)
		3	60	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)
	73	1,460	29	580	0	-	14	280

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

Samples Collected:

- No samples were collected.

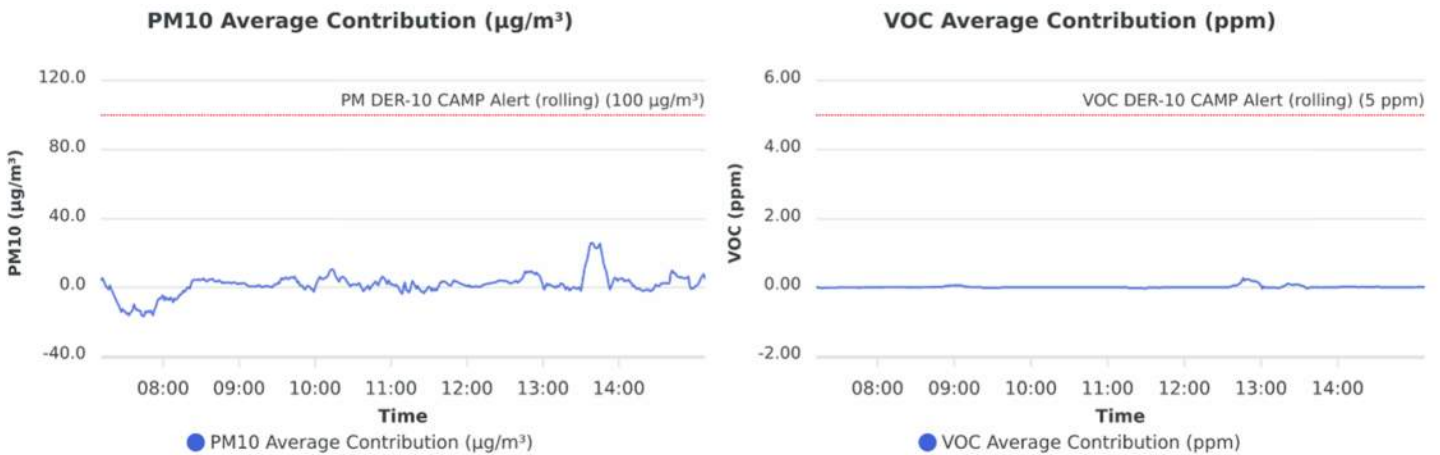
Air Monitoring:

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 and 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	12.3	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-16.7	VOC Average Site Contribution (Minimum)	-0.04
PM10 Average Site Contribution (Maximum)	25.6	VOC Average Site Contribution (Maximum)	0.27

µg/m³: micrograms per cubic meter.

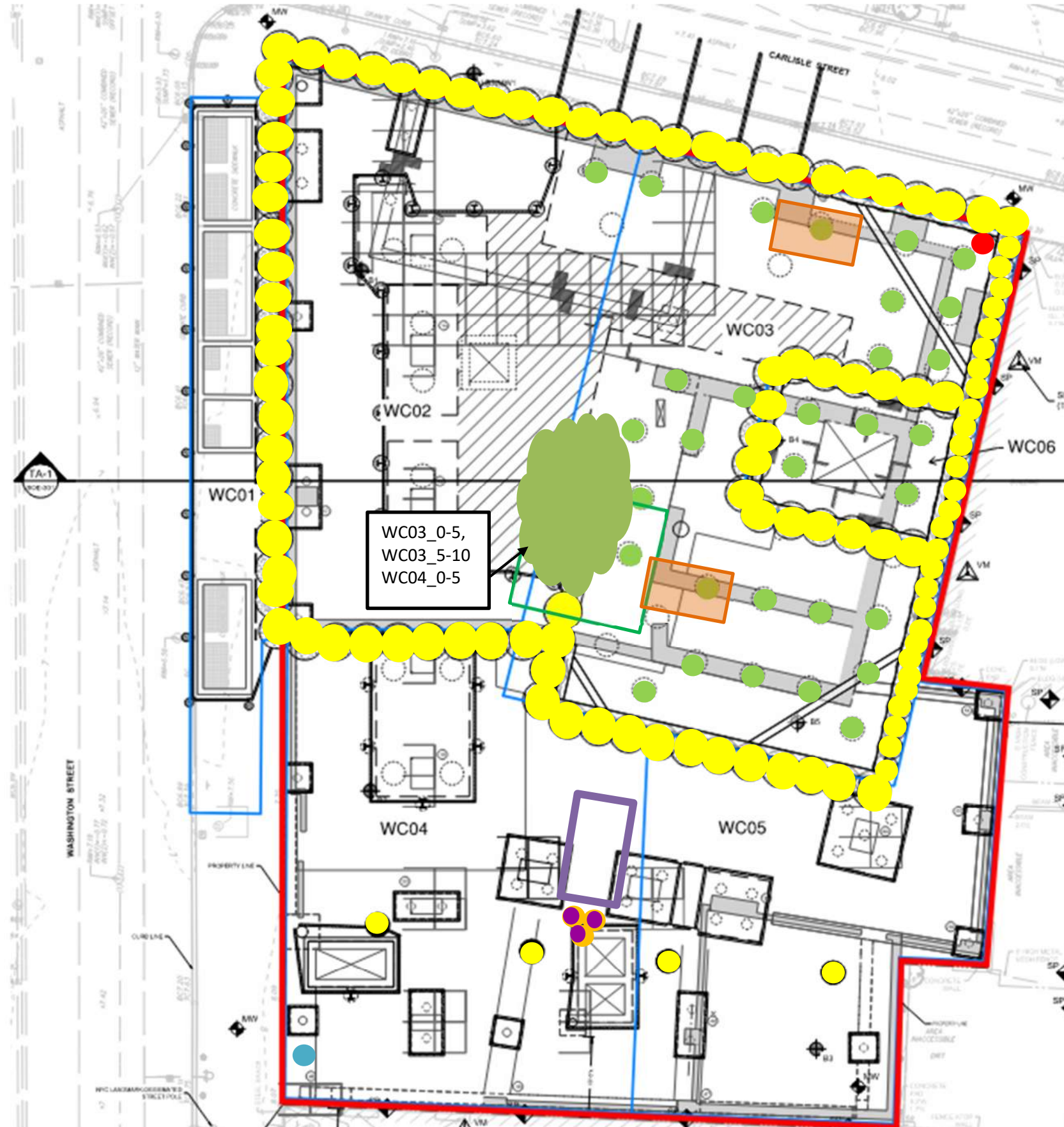
ppm: parts per million.



Planned Activities:

- Urban will continue installing caisson casings throughout the site.
- Urban will export soil/fill from WC03_0-5 and WC03_5-10.

SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- CAMP station 1**
- CAMP station 2**
- Stockpile - Soil (no impacts)**
- Stockpile - C&D**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- Completed Soil-Mix Column**
- Completed Caisson Casing**
- Completed Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- Completed Soil-Mix Core**
- 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 waste characterization grid WC03 (facing northeast).



Photo 2: Urban loading a truck with non-hazardous soil/fill for off-site disposal (facing northwest).



Photo 3: View of CAMP Station 1 in the northeastern part of the site (facing east).



Photo 4: View of CAMP Station 2 in the southwestern part of the site (facing east).



LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	8/16/2023 00:00
		To:	8/16/2023 22:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

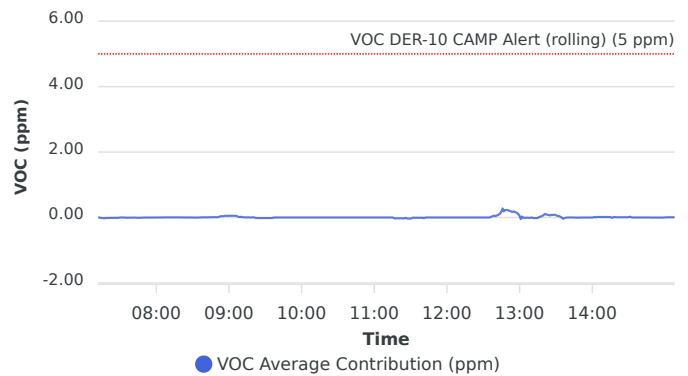
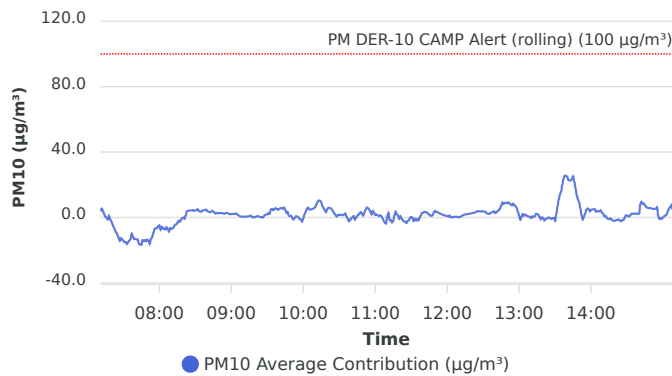
Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
8/16/2023	0.2-2.8	SSE

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 8/16/2023	-16.7	07:45	-0.04	13:01
Max Contribution (15 min avg.) - 8/16/2023	25.6	13:39	0.27	12:46

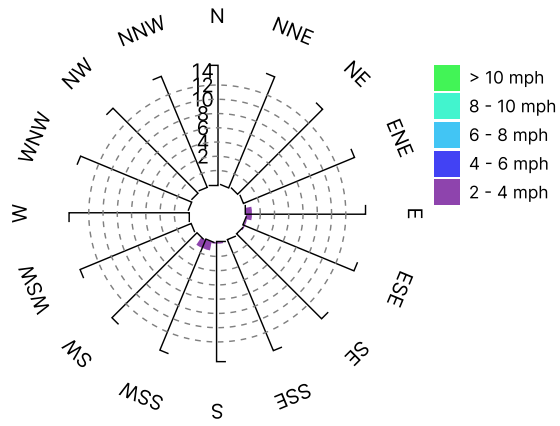


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

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
8/16/2023 07:11:00	12.3	16.1	3.9				0.8	SW
8/16/2023 07:12:00	11.0	16.4	5.4	0.00	0.00	0.00	0.8	SW
8/16/2023 07:13:00	10.2	14.2	3.9	0.01	0.01	0.00	0.8	SW
8/16/2023 07:14:00	10.3	12.4	2.1	0.02	0.01	-0.01	0.8	SSW
8/16/2023 07:15:00	10.8	11.2	0.5	0.03	0.01	-0.01	0.8	SW
8/16/2023 07:16:00	10.5	10.3	-0.2	0.03	0.01	-0.02	0.7	SW
8/16/2023 07:17:00	10.9	9.7	-1.3	0.04	0.01	-0.03	0.7	SW
8/16/2023 07:18:00	10.3	11.4	1.1	0.03	0.02	-0.01	0.6	ESE
8/16/2023 07:19:00	11.9	10.7	-1.3	0.03	0.02	-0.02	0.6	SW
8/16/2023 07:20:00	12.5	10.1	-2.4	0.03	0.01	-0.01	0.6	WSW
8/16/2023 07:21:00	14.0	9.7	-4.3	0.03	0.01	-0.01	0.6	SW
8/16/2023 07:22:00	15.2	9.3	-5.9	0.02	0.01	-0.01	0.6	S
8/16/2023 07:23:00	16.6	8.9	-7.7	0.02	0.01	-0.01	0.6	S
8/16/2023 07:24:00	17.8	8.6	-9.2	0.02	0.01	-0.01	0.6	SSW
8/16/2023 07:25:00	18.8	8.3	-10.5	0.02	0.01	-0.01	0.6	SSW
8/16/2023 07:26:00	19.9	7.6	-12.3	0.02	0.01	-0.01	0.6	SSW
8/16/2023 07:27:00	21.1	6.8	-14.3	0.02	0.01	-0.01	0.6	SSE
8/16/2023 07:28:00	20.8	8.2	-12.6	0.02	0.01	-0.01	0.6	SE
8/16/2023 07:29:00	21.8	8.2	-13.5	0.01	0.01	-0.01	0.6	SW
8/16/2023 07:30:00	22.4	8.3	-14.2	0.01	0.01	0.00	0.6	SSE
8/16/2023 07:31:00	23.4	8.2	-15.1	0.01	0.01	0.00	0.6	SW
8/16/2023 07:32:00	23.2	8.2	-15.0	0.01	0.01	0.00	0.6	SSE
8/16/2023 07:33:00	23.2	7.0	-16.2	0.01	0.01	0.00	0.6	SSW
8/16/2023 07:34:00	21.9	7.0	-15.0	0.01	0.01	0.00	0.7	WSW
8/16/2023 07:35:00	21.2	7.0	-14.2	0.01	0.01	-0.01	0.7	SW
8/16/2023 07:36:00	20.0	7.0	-13.1	0.01	0.01	-0.01	0.7	SSW
8/16/2023 07:37:00	18.4	8.5	-9.9	0.01	0.01	-0.01	0.7	E
8/16/2023 07:38:00	20.3	8.4	-11.8	0.01	0.01	-0.01	0.7	SSE
8/16/2023 07:39:00	21.6	8.4	-13.2	0.01	0.01	-0.01	0.7	WSW
8/16/2023 07:40:00	21.4	8.4	-13.1	0.02	0.01	-0.01	0.7	WSW
8/16/2023 07:41:00	21.9	8.3	-13.5	0.02	0.01	0.00	0.7	WNW
8/16/2023 07:42:00	21.8	8.3	-13.4	0.02	0.02	0.00	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
8/16/2023 07:43:00	22.7	6.5	-16.2	0.02	0.02	-0.01	0.7	WSW
8/16/2023 07:44:00	22.8	6.3	-16.5	0.02	0.01	-0.01	0.7	S
8/16/2023 07:45:00	22.8	6.1	-16.7	0.02	0.01	-0.01	0.6	NW
8/16/2023 07:46:00	21.5	7.7	-13.9	0.02	0.01	-0.01	0.6	E
8/16/2023 07:47:00	22.2	7.7	-14.4	0.02	0.01	-0.01	0.6	SSE
8/16/2023 07:48:00	22.5	8.7	-13.8	0.02	0.01	-0.01	0.6	SE
8/16/2023 07:49:00	23.4	8.9	-14.6	0.02	0.01	-0.01	0.6	SSW
8/16/2023 07:50:00	23.3	9.8	-13.5	0.01	0.01	0.00	0.6	SE
8/16/2023 07:51:00	23.9	9.8	-14.1	0.01	0.01	0.00	0.6	SSW
8/16/2023 07:52:00	24.4	8.2	-16.2	0.01	0.01	0.00	0.7	SW
8/16/2023 07:53:00	21.4	8.3	-13.1	0.01	0.01	0.00	0.6	NW
8/16/2023 07:54:00	20.5	8.5	-11.9	0.01	0.01	0.00	0.6	WSW
8/16/2023 07:55:00	19.1	9.7	-9.4	0.01	0.01	0.00	0.7	SE
8/16/2023 07:56:00	17.1	10.0	-7.1	0.01	0.00	0.00	0.7	ENE
8/16/2023 07:57:00	16.6	10.1	-6.5	0.00	0.00	0.00	0.7	SSW
8/16/2023 07:58:00	17.1	10.4	-6.7	0.00	0.00	0.00	0.8	SW
8/16/2023 07:59:00	16.3	11.1	-5.2	0.00	0.00	0.00	0.8	SW
8/16/2023 08:00:00	16.5	11.7	-4.8	0.00	0.00	0.00	0.8	SSE
8/16/2023 08:01:00	18.3	10.7	-7.5	0.00	0.00	0.00	0.8	SW
8/16/2023 08:02:00	17.5	11.8	-5.7	0.00	0.00	0.00	0.8	NNW
8/16/2023 08:03:00	18.0	11.1	-6.9	0.00	0.00	0.00	0.7	SSE
8/16/2023 08:04:00	17.7	11.0	-6.7	0.00	0.00	0.00	0.8	SSW
8/16/2023 08:05:00	17.8	10.5	-7.4	0.00	0.00	0.00	0.8	SW
8/16/2023 08:06:00	16.9	11.1	-5.9	0.00	0.00	0.00	0.8	SSE
8/16/2023 08:07:00	18.4	11.3	-7.1	0.00	0.00	0.00	0.7	S
8/16/2023 08:08:00	20.4	11.7	-8.7	0.00	0.00	0.00	0.8	SSW
8/16/2023 08:09:00	18.1	11.7	-6.5	0.00	0.00	0.00	0.8	SW
8/16/2023 08:10:00	17.8	10.8	-7.0	0.00	0.00	0.00	0.7	SSW
8/16/2023 08:11:00	17.8	11.0	-6.8	0.00	0.00	0.00	0.7	WSW
8/16/2023 08:12:00	16.9	11.1	-5.8	0.00	0.00	0.00	0.7	SSE
8/16/2023 08:13:00	15.4	10.9	-4.5	0.00	0.00	0.00	0.7	SW
8/16/2023 08:14:00	14.7	10.4	-4.3	0.00	0.00	0.00	0.8	SW
8/16/2023 08:15:00	13.3	9.9	-3.3	0.00	0.00	0.00	0.8	SW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 08:16:00	11.6	9.5	-2.0	0.00	0.00	0.00	0.9	SW
8/16/2023 08:17:00	11.2	8.5	-2.6	0.00	0.00	0.00	1.0	SSW
8/16/2023 08:18:00	10.3	8.8	-1.5	0.00	0.00	0.00	1.0	SSE
8/16/2023 08:19:00	9.6	9.2	-0.3	0.00	0.00	0.00	1.0	SSW
8/16/2023 08:20:00	9.3	9.3	0.0	0.00	0.00	0.00	1.0	SSW
8/16/2023 08:21:00	9.5	8.7	-0.8	0.00	0.00	0.00	1.0	SSE
8/16/2023 08:22:00	7.5	8.9	1.4	0.00	0.00	0.00	1.1	SSW
8/16/2023 08:23:00	4.8	8.7	3.9	0.00	0.00	0.00	1.1	SSW
8/16/2023 08:24:00	4.7	8.7	4.0	0.00	0.00	0.00	1.1	SW
8/16/2023 08:25:00	4.6	8.9	4.3	0.00	0.00	0.00	1.1	SW
8/16/2023 08:26:00	4.6	8.8	4.2	0.00	0.00	0.00	1.1	SW
8/16/2023 08:27:00	4.6	8.9	4.3	0.00	0.00	0.00	1.2	S
8/16/2023 08:28:00	4.7	9.2	4.5	0.00	0.00	0.00	1.2	S
8/16/2023 08:29:00	5.0	9.1	4.1	0.00	0.01	0.00	1.2	SE
8/16/2023 08:30:00	5.0	9.3	4.3	0.01	0.01	0.00	1.1	SSW
8/16/2023 08:31:00	5.1	9.8	4.7	0.01	0.01	0.00	1.1	WSW
8/16/2023 08:32:00	5.1	10.2	5.1	0.01	0.01	0.00	1.1	SW
8/16/2023 08:33:00	5.7	9.6	4.0	0.01	0.01	0.00	1.1	ESE
8/16/2023 08:34:00	5.6	9.2	3.6	0.01	0.01	0.00	1.1	SSE
8/16/2023 08:35:00	5.6	9.2	3.5	0.01	0.01	0.00	1.0	SW
8/16/2023 08:36:00	5.3	9.6	4.3	0.01	0.01	0.00	1.0	SW
8/16/2023 08:37:00	5.3	9.7	4.4	0.01	0.01	0.00	1.0	S
8/16/2023 08:38:00	5.3	10.0	4.7	0.01	0.01	0.00	1.0	SSE
8/16/2023 08:39:00	5.3	10.2	4.9	0.01	0.01	0.01	1.0	S
8/16/2023 08:40:00	5.7	9.7	4.0	0.01	0.01	0.00	1.0	SE
8/16/2023 08:41:00	6.1	9.6	3.5	0.01	0.02	0.01	1.0	SSE
8/16/2023 08:42:00	6.3	9.6	3.3	0.02	0.02	0.00	0.9	SE
8/16/2023 08:43:00	6.3	9.7	3.4	0.01	0.02	0.01	0.9	S
8/16/2023 08:44:00	6.0	10.1	4.1	0.01	0.02	0.01	0.9	SSE
8/16/2023 08:45:00	6.3	9.9	3.6	0.01	0.02	0.01	0.9	SE
8/16/2023 08:46:00	6.3	9.3	3.0	0.01	0.02	0.01	0.9	SSE
8/16/2023 08:47:00	6.5	8.8	2.3	0.01	0.02	0.01	0.9	SE
8/16/2023 08:48:00	6.1	8.9	2.8	0.01	0.02	0.01	0.9	SSE

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 08:49:00	6.2	8.7	2.5	0.01	0.02	0.01	0.9	SSE
8/16/2023 08:50:00	6.3	8.9	2.7	0.01	0.02	0.01	0.9	SSW
8/16/2023 08:51:00	6.5	9.2	2.7	0.01	0.02	0.01	0.9	SSW
8/16/2023 08:52:00	6.6	9.3	2.8	0.01	0.04	0.02	0.9	SW
8/16/2023 08:53:00	6.7	9.2	2.5	0.01	0.05	0.04	0.8	WSW
8/16/2023 08:54:00	6.7	9.0	2.2	0.01	0.06	0.04	0.8	SW
8/16/2023 08:55:00	6.4	9.1	2.7	0.02	0.06	0.04	0.8	WSW
8/16/2023 08:56:00	6.0	8.8	2.8	0.02	0.07	0.04	0.8	SE
8/16/2023 08:57:00	5.8	8.4	2.6	0.02	0.07	0.05	0.8	SE
8/16/2023 08:58:00	5.8	8.0	2.2	0.02	0.07	0.05	0.8	S
8/16/2023 08:59:00	5.7	7.6	1.9	0.02	0.07	0.05	0.7	SW
8/16/2023 09:00:00	5.4	7.6	2.1	0.02	0.07	0.05	0.7	SSW
8/16/2023 09:01:00	5.4	7.5	2.1	0.02	0.07	0.05	0.7	SW
8/16/2023 09:02:00	5.3	7.4	2.2	0.02	0.07	0.05	0.7	E
8/16/2023 09:03:00	5.1	7.5	2.3	0.02	0.07	0.05	0.7	SW
8/16/2023 09:04:00	5.0	7.5	2.4	0.02	0.07	0.05	0.7	SW
8/16/2023 09:05:00	5.0	6.9	1.9	0.02	0.07	0.05	0.7	SE
8/16/2023 09:06:00	4.9	6.2	1.3	0.02	0.06	0.05	0.7	S
8/16/2023 09:07:00	4.8	5.7	0.8	0.02	0.05	0.03	0.7	SW
8/16/2023 09:08:00	4.8	5.4	0.6	0.02	0.04	0.02	0.7	WSW
8/16/2023 09:09:00	4.8	5.3	0.5	0.01	0.03	0.01	0.7	SSW
8/16/2023 09:10:00	4.8	5.3	0.5	0.00	0.03	0.02	0.7	SW
8/16/2023 09:11:00	4.8	5.3	0.5	0.00	0.01	0.01	0.7	E
8/16/2023 09:12:00	5.0	5.5	0.5	0.00	0.01	0.01	0.7	SSE
8/16/2023 09:13:00	5.3	5.9	0.6	0.00	0.01	0.00	0.7	SW
8/16/2023 09:14:00	5.6	6.2	0.6	0.00	0.01	0.00	0.7	ESE
8/16/2023 09:15:00	5.7	6.6	0.9	0.00	0.00	0.00	0.7	S
8/16/2023 09:16:00	5.8	6.9	1.2	0.00	0.00	0.00	0.7	SW
8/16/2023 09:17:00	6.3	7.0	0.6	0.00	0.00	0.00	0.7	NNE
8/16/2023 09:18:00	6.9	6.9	0.0	0.00	0.00	0.00	0.7	N
8/16/2023 09:19:00	7.0	7.3	0.3	0.00	0.00	0.00	0.7	SSW
8/16/2023 09:20:00	7.5	7.7	0.3	0.00	0.01	0.01	0.7	SSW
8/16/2023 09:21:00	7.8	8.5	0.7	0.01	0.01	0.00	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
8/16/2023 09:22:00	8.2	9.1	0.9	0.02	0.01	-0.01	0.7	ESE
8/16/2023 09:23:00	8.7	9.3	0.6	0.02	0.01	-0.02	0.8	E
8/16/2023 09:24:00	9.0	9.3	0.3	0.02	0.01	-0.02	0.8	SE
8/16/2023 09:25:00	9.0	9.3	0.3	0.02	0.01	-0.02	0.8	ESE
8/16/2023 09:26:00	9.3	9.2	-0.1	0.02	0.01	-0.02	0.9	E
8/16/2023 09:27:00	9.0	9.7	0.7	0.02	0.01	-0.02	0.9	NW
8/16/2023 09:28:00	8.7	10.2	1.5	0.02	0.01	-0.02	1.0	SW
8/16/2023 09:29:00	8.4	10.2	1.8	0.02	0.01	-0.02	1.0	S
8/16/2023 09:30:00	8.1	10.0	1.9	0.02	0.01	-0.02	1.0	SSW
8/16/2023 09:31:00	7.9	10.7	2.8	0.02	0.01	-0.02	1.0	SSW
8/16/2023 09:32:00	8.2	10.6	2.4	0.02	0.01	-0.02	1.0	ESE
8/16/2023 09:33:00	7.8	12.7	4.9	0.02	0.01	-0.02	1.0	SSW
8/16/2023 09:34:00	8.0	13.3	5.2	0.02	0.01	-0.02	1.0	SSE
8/16/2023 09:35:00	8.4	12.8	4.4	0.02	0.00	-0.02	1.0	E
8/16/2023 09:36:00	8.0	13.2	5.2	0.01	0.00	-0.01	1.0	S
8/16/2023 09:37:00	7.6	13.3	5.7	0.00	0.00	0.00	1.0	SSE
8/16/2023 09:38:00	7.9	13.1	5.2	0.00	0.00	0.00	1.0	E
8/16/2023 09:39:00	8.3	12.9	4.7	0.00	0.00	0.00	1.0	ESE
8/16/2023 09:40:00	8.3	13.6	5.3	0.00	0.00	0.00	1.0	NW
8/16/2023 09:41:00	8.3	14.0	5.7	0.00	0.00	0.00	1.0	NNE
8/16/2023 09:42:00	8.4	14.1	5.7	0.00	0.00	0.00	0.9	SW
8/16/2023 09:43:00	8.4	13.8	5.3	0.00	0.00	0.00	0.9	S
8/16/2023 09:44:00	8.5	14.6	6.1	0.00	0.00	0.00	0.9	NW
8/16/2023 09:45:00	9.7	14.3	4.6	0.00	0.00	0.00	0.9	NNW
8/16/2023 09:46:00	10.3	13.1	2.9	0.00	0.00	0.00	0.8	N
8/16/2023 09:47:00	9.8	13.2	3.3	0.00	0.00	0.00	0.8	SE
8/16/2023 09:48:00	10.2	11.2	1.0	0.00	0.00	0.00	0.8	ESE
8/16/2023 09:49:00	9.9	10.8	1.0	0.00	0.00	0.00	0.9	SSE
8/16/2023 09:50:00	9.8	10.8	1.0	0.00	0.00	0.00	0.9	SE
8/16/2023 09:51:00	10.2	9.5	-0.7	0.00	0.00	0.00	0.9	SE
8/16/2023 09:52:00	10.2	8.9	-1.2	0.00	0.00	0.00	1.0	SSE
8/16/2023 09:53:00	9.4	9.2	-0.1	0.00	0.00	0.00	1.1	SSW
8/16/2023 09:54:00	8.6	9.4	0.8	0.00	0.00	0.00	1.1	S

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 09:55:00	8.5	9.1	0.6	0.00	0.00	0.00	1.2	SSE
8/16/2023 09:56:00	8.6	8.7	0.1	0.00	0.00	0.00	1.2	E
8/16/2023 09:57:00	9.0	8.0	-1.1	0.00	0.00	0.00	1.2	ESE
8/16/2023 09:58:00	9.0	7.8	-1.2	0.00	0.00	0.00	1.2	SSW
8/16/2023 09:59:00	9.5	6.9	-2.6	0.00	0.00	0.00	1.2	NNW
8/16/2023 10:00:00	8.4	7.9	-0.5	0.00	0.00	0.00	1.2	NW
8/16/2023 10:01:00	7.8	9.7	1.9	0.00	0.00	0.00	1.2	NW
8/16/2023 10:02:00	7.3	10.7	3.5	0.00	0.00	0.00	1.2	S
8/16/2023 10:03:00	6.8	12.1	5.3	0.00	0.00	0.00	1.2	S
8/16/2023 10:04:00	6.7	12.7	6.0	0.00	0.00	0.00	1.2	WNW
8/16/2023 10:05:00	7.8	12.7	4.9	0.00	0.00	0.00	1.1	N
8/16/2023 10:06:00	8.5	13.3	4.8	0.00	0.00	0.00	1.1	SE
8/16/2023 10:07:00	8.6	13.6	5.0	0.00	0.00	0.00	1.1	SW
8/16/2023 10:08:00	8.6	13.9	5.3	0.00	0.00	0.00	1.0	SSW
8/16/2023 10:09:00	8.5	14.3	5.8	0.00	0.00	0.00	1.0	SSW
8/16/2023 10:10:00	8.4	14.8	6.4	0.00	0.00	0.00	1.0	SSW
8/16/2023 10:11:00	7.9	16.0	8.1	0.00	0.00	0.00	1.0	SW
8/16/2023 10:12:00	7.5	17.2	9.8	0.00	0.00	0.00	1.1	SSW
8/16/2023 10:13:00	7.8	18.2	10.4	0.00	0.00	0.00	1.1	SSW
8/16/2023 10:14:00	8.0	18.2	10.3	0.00	0.00	0.00	1.1	ENE
8/16/2023 10:15:00	8.4	17.6	9.2	0.00	0.00	0.00	1.1	SE
8/16/2023 10:16:00	9.0	15.9	6.9	0.00	0.00	0.00	1.2	E
8/16/2023 10:17:00	9.7	15.4	5.7	0.00	0.00	0.00	1.2	SSE
8/16/2023 10:18:00	10.1	14.4	4.3	0.00	0.00	0.00	1.2	E
8/16/2023 10:19:00	10.5	13.7	3.2	0.00	0.00	0.00	1.2	SE
8/16/2023 10:20:00	9.1	14.3	5.2	0.00	0.00	0.00	1.2	WNW
8/16/2023 10:21:00	8.6	14.6	5.9	0.00	0.00	0.00	1.3	SE
8/16/2023 10:22:00	9.0	14.8	5.8	0.00	0.00	0.00	1.3	SE
8/16/2023 10:23:00	9.4	15.0	5.6	0.00	0.00	0.00	1.3	SE
8/16/2023 10:24:00	10.3	15.1	4.8	0.00	0.00	0.00	1.3	E
8/16/2023 10:25:00	11.1	14.5	3.5	0.00	0.00	0.00	1.3	SE
8/16/2023 10:26:00	11.6	13.9	2.4	0.00	0.00	0.00	1.3	SSW
8/16/2023 10:27:00	12.0	13.2	1.2	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
8/16/2023 10:28:00	12.4	13.0	0.6	0.00	0.00	0.00	1.2	ENE
8/16/2023 10:29:00	12.2	13.8	1.6	0.00	0.00	0.00	1.2	ESE
8/16/2023 10:30:00	12.8	14.2	1.5	0.00	0.00	0.00	1.1	W
8/16/2023 10:31:00	13.1	14.8	1.6	0.00	0.00	0.00	1.1	WNW
8/16/2023 10:32:00	13.7	15.3	1.6	0.00	0.00	0.00	1.1	S
8/16/2023 10:33:00	14.6	16.0	1.4	0.00	0.00	0.00	1.1	E
8/16/2023 10:34:00	14.9	16.7	1.8	0.00	0.00	0.00	1.1	ESE
8/16/2023 10:35:00	14.9	17.4	2.5	0.00	0.00	0.00	1.1	ENE
8/16/2023 10:36:00	16.3	17.0	0.7	0.00	0.00	0.00	1.1	S
8/16/2023 10:37:00	17.3	16.7	-0.6	0.00	0.00	0.00	1.1	NNW
8/16/2023 10:38:00	18.7	16.4	-2.3	0.00	0.00	0.00	1.1	S
8/16/2023 10:39:00	18.6	16.9	-1.7	0.00	0.00	0.00	1.0	NW
8/16/2023 10:40:00	18.8	18.4	-0.4	0.00	0.00	0.00	1.1	ENE
8/16/2023 10:41:00	18.6	18.7	0.1	0.00	0.00	0.00	1.0	ESE
8/16/2023 10:42:00	18.4	19.3	0.9	0.00	0.00	0.00	1.0	SE
8/16/2023 10:43:00	20.2	18.9	-1.3	0.00	0.00	0.00	1.0	NNW
8/16/2023 10:44:00	20.0	19.8	-0.2	0.00	0.00	0.00	1.0	ENE
8/16/2023 10:45:00	19.4	20.5	1.1	0.00	0.00	0.00	1.1	E
8/16/2023 10:46:00	18.9	20.6	1.7	0.00	0.00	0.00	1.1	E
8/16/2023 10:47:00	18.0	20.7	2.7	0.00	0.00	0.00	1.1	SE
8/16/2023 10:48:00	17.0	20.3	3.3	0.00	0.00	0.00	1.1	SSE
8/16/2023 10:49:00	17.5	19.5	2.0	0.00	0.00	0.00	1.2	SSE
8/16/2023 10:50:00	17.8	18.9	1.1	0.00	0.00	0.00	1.1	SSE
8/16/2023 10:51:00	16.0	19.2	3.2	0.00	0.00	0.00	1.1	S
8/16/2023 10:52:00	14.7	19.5	4.8	0.00	0.00	0.00	1.1	ESE
8/16/2023 10:53:00	13.6	19.7	6.1	0.00	0.00	0.00	1.2	S
8/16/2023 10:54:00	13.3	18.9	5.7	0.00	0.00	0.00	1.2	SE
8/16/2023 10:55:00	12.8	17.7	4.9	0.00	0.00	0.00	1.2	SSE
8/16/2023 10:56:00	13.9	17.2	3.3	0.00	0.00	0.00	1.2	SW
8/16/2023 10:57:00	14.8	16.7	1.9	0.00	0.00	0.00	1.2	SSW
8/16/2023 10:58:00	12.8	16.8	4.0	0.00	0.00	0.00	1.2	ENE
8/16/2023 10:59:00	13.0	16.0	3.0	0.00	0.00	0.00	1.2	SE
8/16/2023 11:00:00	13.6	15.1	1.5	0.00	0.00	0.00	1.1	SSE

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 11:01:00	13.9	15.7	1.8	0.00	0.00	0.00	1.1	ENE
8/16/2023 11:02:00	14.0	15.4	1.3	0.00	0.00	0.00	1.1	ESE
8/16/2023 11:03:00	14.3	15.2	0.9	0.00	0.00	0.00	1.1	N
8/16/2023 11:04:00	14.0	15.3	1.4	0.00	0.00	0.00	1.1	SSE
8/16/2023 11:05:00				0.00	0.00	0.00	1.1	SE
8/16/2023 11:06:00				0.00	0.00	0.00	1.0	WNW
8/16/2023 11:07:00				0.00	0.00	0.00	1.1	SSW
8/16/2023 11:08:00				0.00	0.00	0.00	1.0	ENE
8/16/2023 11:09:00	15.0	11.3	-3.7	0.00	0.00	0.00	1.0	S
8/16/2023 11:10:00	14.5	15.3	0.8	0.00	0.00	0.00	1.0	SSE
8/16/2023 11:11:00	13.3	16.1	2.8	0.00	0.00	0.00	1.0	SE
8/16/2023 11:12:00	15.6	13.9	-1.7	0.00	0.00	0.00	0.9	S
8/16/2023 11:13:00	14.2	12.6	-1.5	0.00	0.00	0.00	0.9	SSW
8/16/2023 11:14:00	14.8	11.8	-3.0	0.00	0.00	0.00	0.9	SW
8/16/2023 11:15:00	13.8	11.8	-2.0	0.00	0.00	0.00	0.9	SE
8/16/2023 11:16:00	13.2	14.3	1.2	0.01	0.00	-0.01	0.9	SE
8/16/2023 11:17:00	12.8	16.4	3.7	0.03	0.00	-0.03	0.9	ENE
8/16/2023 11:18:00	13.7	15.8	2.0	0.03	0.00	-0.03	0.9	SSW
8/16/2023 11:19:00	13.9	14.9	1.1	0.03	0.00	-0.03	0.9	W
8/16/2023 11:20:00	15.1	14.3	-0.8	0.03	0.00	-0.03	0.9	SW
8/16/2023 11:21:00	14.4	15.3	0.8	0.03	0.00	-0.03	0.9	E
8/16/2023 11:22:00	15.4	14.7	-0.7	0.03	0.00	-0.03	0.9	WSW
8/16/2023 11:23:00	15.7	14.1	-1.6	0.03	0.00	-0.03	0.9	S
8/16/2023 11:24:00	16.2	13.7	-2.5	0.03	0.00	-0.03	0.8	SW
8/16/2023 11:25:00	15.6	13.1	-2.5	0.03	0.00	-0.03	0.9	NE
8/16/2023 11:26:00	15.9	12.5	-3.4	0.03	0.02	-0.01	0.9	SW
8/16/2023 11:27:00	14.8	12.7	-2.1	0.05	0.02	-0.03	0.9	E
8/16/2023 11:28:00	14.6	12.8	-1.8	0.05	0.02	-0.03	0.9	E
8/16/2023 11:29:00	13.7	13.5	-0.2	0.05	0.02	-0.03	0.9	ESE
8/16/2023 11:30:00	13.5	13.8	0.4	0.05	0.02	-0.03	0.9	SE
8/16/2023 11:31:00	13.2	13.0	-0.2	0.04	0.02	-0.02	0.9	ESE
8/16/2023 11:32:00	13.4	11.2	-2.1	0.02	0.02	0.00	0.9	NW
8/16/2023 11:33:00	12.4	11.7	-0.8	0.02	0.01	-0.01	0.9	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 11:34:00	13.5	11.6	-1.9	0.02	0.01	-0.01	0.9	S
8/16/2023 11:35:00	12.5	11.5	-1.0	0.02	0.01	-0.01	0.9	S
8/16/2023 11:36:00	12.4	10.6	-1.9	0.02	0.01	-0.01	0.9	SE
8/16/2023 11:37:00	10.9	10.7	-0.2	0.02	0.01	-0.01	0.9	E
8/16/2023 11:38:00	10.0	11.2	1.2	0.02	0.01	-0.01	0.9	NE
8/16/2023 11:39:00	8.8	11.6	2.8	0.02	0.01	-0.01	1.0	E
8/16/2023 11:40:00	8.9	11.8	2.8	0.02	0.01	-0.01	1.0	NE
8/16/2023 11:41:00	8.4	11.9	3.5	0.02	0.00	-0.02	1.0	E
8/16/2023 11:42:00	8.6	11.9	3.3	0.00	0.00	0.00	1.0	ESE
8/16/2023 11:43:00	8.9	12.0	3.1	0.00	0.00	0.00	1.0	ESE
8/16/2023 11:44:00	9.0	11.4	2.4	0.00	0.00	0.00	1.1	SE
8/16/2023 11:45:00	9.0	10.8	1.8	0.00	0.00	0.00	1.1	NNE
8/16/2023 11:46:00	9.2	10.3	1.1	0.00	0.00	0.00	1.1	SE
8/16/2023 11:47:00	9.3	10.3	1.0	0.00	0.00	0.00	1.1	SSE
8/16/2023 11:48:00	9.4	11.0	1.6	0.00	0.00	0.00	1.1	NNE
8/16/2023 11:49:00	8.0	11.4	3.4	0.00	0.00	0.00	1.1	E
8/16/2023 11:50:00	7.5	11.5	4.0	0.00	0.00	0.00	1.1	S
8/16/2023 11:51:00	7.7	11.1	3.4	0.00	0.00	0.00	1.0	SSW
8/16/2023 11:52:00	7.8	11.0	3.3	0.00	0.00	0.00	1.0	ENE
8/16/2023 11:53:00	7.9	10.7	2.8	0.00	0.00	0.00	1.0	SSW
8/16/2023 11:54:00	8.0	10.4	2.4	0.00	0.00	0.00	0.9	SE
8/16/2023 11:55:00	7.8	9.9	2.1	0.00	0.00	0.00	1.0	SSE
8/16/2023 11:56:00	7.6	9.3	1.7	0.00	0.00	0.00	1.0	ENE
8/16/2023 11:57:00	7.4	9.0	1.6	0.00	0.00	0.00	1.0	SSE
8/16/2023 11:58:00	7.2	8.5	1.3	0.00	0.00	0.00	1.0	SE
8/16/2023 11:59:00	7.2	8.2	1.0	0.00	0.00	0.00	0.9	ENE
8/16/2023 12:00:00	7.1	7.9	0.8	0.00	0.00	0.00	0.9	S
8/16/2023 12:01:00	6.8	7.4	0.6	0.00	0.00	0.00	1.0	SSW
8/16/2023 12:02:00	6.2	7.3	1.1	0.00	0.00	0.00	1.0	SSW
8/16/2023 12:03:00	5.7	5.8	0.1	0.00	0.00	0.00	1.1	SW
8/16/2023 12:04:00	5.2	5.4	0.2	0.00	0.00	0.00	1.1	SSW
8/16/2023 12:05:00	5.0	5.2	0.2	0.00	0.00	0.00	1.2	WSW
8/16/2023 12:06:00	4.7	5.1	0.5	0.00	0.00	0.00	1.2	SSW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 12:07:00	4.5	4.9	0.4	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:08:00	4.2	4.7	0.5	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:09:00	4.1	4.5	0.4	0.00	0.00	0.00	1.2	SSE
8/16/2023 12:10:00	4.2	4.3	0.1	0.00	0.00	0.00	1.2	ESE
8/16/2023 12:11:00	4.1	4.5	0.4	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:12:00	3.9	4.8	0.9	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:13:00	3.8	5.1	1.3	0.00	0.00	0.00	1.2	SW
8/16/2023 12:14:00	3.7	5.4	1.7	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:15:00	3.6	5.5	1.9	0.00	0.00	0.00	1.2	S
8/16/2023 12:16:00	3.7	5.6	2.0	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:17:00	3.6	5.8	2.1	0.00	0.00	0.00	1.2	SSW
8/16/2023 12:18:00	3.6	5.8	2.3	0.00	0.00	0.00	1.2	S
8/16/2023 12:19:00	3.6	5.9	2.3	0.00	0.00	0.00	1.1	SW
8/16/2023 12:20:00	3.6	6.1	2.5	0.00	0.00	0.00	1.1	S
8/16/2023 12:21:00	3.6	6.3	2.7	0.00	0.00	0.00	1.0	SSW
8/16/2023 12:22:00	3.6	6.5	2.9	0.00	0.00	0.00	1.0	SW
8/16/2023 12:23:00	3.7	6.7	3.0	0.00	0.00	0.00	1.0	SSW
8/16/2023 12:24:00	3.6	7.0	3.4	0.00	0.00	0.00	1.1	SW
8/16/2023 12:25:00	3.4	7.3	3.8	0.00	0.00	0.00	1.1	SW
8/16/2023 12:26:00	3.5	7.4	3.9	0.00	0.00	0.00	1.1	WSW
8/16/2023 12:27:00	3.7	7.5	3.8	0.00	0.00	0.00	1.1	WSW
8/16/2023 12:28:00	3.7	7.5	3.8	0.00	0.00	0.00	1.1	SW
8/16/2023 12:29:00	3.7	7.5	3.7	0.00	0.00	0.00	1.0	SW
8/16/2023 12:30:00	3.9	7.5	3.7	0.00	0.00	0.00	1.0	SW
8/16/2023 12:31:00	4.1	7.7	3.6	0.00	0.00	0.00	1.0	SW
8/16/2023 12:32:00	4.5	7.9	3.3	0.00	0.00	0.00	1.0	SW
8/16/2023 12:33:00	5.6	8.1	2.5	0.00	0.00	0.00	1.0	SW
8/16/2023 12:34:00	6.6	8.9	2.4	0.00	0.00	0.00	1.0	NE
8/16/2023 12:35:00	7.7	9.8	2.2	0.00	0.00	0.00	1.0	ESE
8/16/2023 12:36:00	8.3	11.0	2.7	0.00	0.01	0.01	1.0	SSW
8/16/2023 12:37:00	8.9	11.9	3.0	0.00	0.03	0.03	1.0	SSE
8/16/2023 12:38:00	9.3	12.7	3.4	0.00	0.04	0.04	0.9	SSW
8/16/2023 12:39:00	9.8	13.6	3.8	0.00	0.06	0.06	0.9	SSW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 12:40:00	10.9	13.7	2.7	0.01	0.06	0.04	0.9	ESE
8/16/2023 12:41:00	11.2	14.3	3.1	0.01	0.07	0.06	0.9	S
8/16/2023 12:42:00	11.8	15.7	3.9	0.01	0.09	0.07	1.0	SSW
8/16/2023 12:43:00	12.2	16.8	4.5	0.01	0.11	0.10	1.1	SSW
8/16/2023 12:44:00	12.7	18.0	5.4	0.01	0.14	0.13	1.1	SW
8/16/2023 12:45:00	12.9	20.0	7.1	0.01	0.20	0.19	1.1	SW
8/16/2023 12:46:00	13.1	22.3	9.2	0.01	0.28	0.27	1.1	WSW
8/16/2023 12:47:00	14.4	22.7	8.3	0.09	0.28	0.19	1.1	ESE
8/16/2023 12:48:00	14.5	23.3	8.8	0.09	0.32	0.23	1.1	SW
8/16/2023 12:49:00	14.3	23.5	9.1	0.09	0.32	0.23	1.1	S
8/16/2023 12:50:00	14.4	23.1	8.7	0.09	0.32	0.23	1.1	ESE
8/16/2023 12:51:00	14.3	23.6	9.2	0.09	0.31	0.21	1.2	NE
8/16/2023 12:52:00	14.2	22.7	8.6	0.09	0.29	0.20	1.3	ESE
8/16/2023 12:53:00	13.9	21.9	8.0	0.09	0.28	0.18	1.3	NE
8/16/2023 12:54:00	13.8	21.2	7.4	0.09	0.26	0.17	1.3	E
8/16/2023 12:55:00	13.0	21.5	8.5	0.08	0.26	0.18	1.2	NE
8/16/2023 12:56:00	13.8	21.2	7.5	0.08	0.25	0.17	1.2	S
8/16/2023 12:57:00	13.4	20.2	6.8	0.08	0.23	0.15	1.1	WSW
8/16/2023 12:58:00	13.9	19.7	5.8	0.08	0.21	0.13	1.0	WSW
8/16/2023 12:59:00	15.8	19.1	3.3	0.08	0.18	0.10	1.0	SSW
8/16/2023 13:00:00	16.6	17.6	1.0	0.08	0.12	0.04	1.1	WSW
8/16/2023 13:01:00	17.0	15.6	-1.4	0.09	0.04	-0.04	1.1	E
8/16/2023 13:02:00	15.7	16.2	0.5	0.01	0.04	0.03	1.1	E
8/16/2023 13:03:00	14.8	17.0	2.1	0.01	0.01	-0.01	1.1	SE
8/16/2023 13:04:00	14.9	16.1	1.1	0.01	0.01	-0.01	1.1	SW
8/16/2023 13:05:00	14.0	15.8	1.8	0.01	0.01	-0.01	1.1	S
8/16/2023 13:06:00	13.6	14.9	1.2	0.01	0.01	-0.01	1.1	WSW
8/16/2023 13:07:00	13.9	14.7	0.8	0.02	0.01	-0.01	0.9	ESE
8/16/2023 13:08:00	14.1	14.8	0.7	0.02	0.01	-0.01	0.9	NE
8/16/2023 13:09:00	14.3	14.7	0.3	0.02	0.01	-0.01	0.9	SE
8/16/2023 13:10:00	15.2	14.9	-0.3	0.02	0.02	0.00	1.0	S
8/16/2023 13:11:00	14.8	15.5	0.7	0.03	0.02	-0.01	1.0	NNE
8/16/2023 13:12:00	15.0	15.4	0.4	0.04	0.02	-0.02	1.0	SE

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 13:13:00	14.7	15.3	0.6	0.04	0.02	-0.02	1.0	SE
8/16/2023 13:14:00	12.6	14.9	2.2	0.04	0.02	-0.02	0.9	S
8/16/2023 13:15:00	12.6	14.8	2.1	0.04	0.02	-0.01	0.9	S
8/16/2023 13:16:00	13.3	14.9	1.7	0.03	0.04	0.01	1.0	SW
8/16/2023 13:17:00	13.9	14.2	0.3	0.02	0.05	0.03	1.0	SSW
8/16/2023 13:18:00	14.3	13.1	-1.2	0.02	0.06	0.04	1.1	S
8/16/2023 13:19:00	13.8	13.9	0.1	0.02	0.08	0.06	1.1	S
8/16/2023 13:20:00	14.6	14.2	-0.3	0.02	0.10	0.08	1.2	S
8/16/2023 13:21:00	16.0	14.2	-1.8	0.02	0.13	0.11	1.2	W
8/16/2023 13:22:00	16.1	15.0	-1.1	0.04	0.13	0.09	1.3	SE
8/16/2023 13:23:00	16.6	16.0	-0.6	0.05	0.13	0.08	1.3	ESE
8/16/2023 13:24:00	16.8	16.7	-0.1	0.06	0.13	0.07	1.3	ENE
8/16/2023 13:25:00	16.1	16.1	0.0	0.06	0.12	0.06	1.2	SE
8/16/2023 13:26:00	16.3	15.7	-0.7	0.04	0.12	0.08	1.2	ESE
8/16/2023 13:27:00	16.7	15.8	-0.9	0.04	0.12	0.08	1.2	ESE
8/16/2023 13:28:00	16.4	16.1	-0.3	0.04	0.13	0.08	1.3	SW
8/16/2023 13:29:00	17.0	16.6	-0.3	0.04	0.13	0.08	1.3	SSE
8/16/2023 13:30:00	18.9	16.8	-2.1	0.04	0.11	0.07	1.3	SW
8/16/2023 13:31:00	18.9	21.0	2.1	0.04	0.10	0.05	1.3	E
8/16/2023 13:32:00	18.3	25.1	6.8	0.04	0.09	0.04	1.2	ESE
8/16/2023 13:33:00	18.1	29.1	11.0	0.04	0.08	0.04	1.1	ESE
8/16/2023 13:34:00	18.2	32.2	14.0	0.04	0.06	0.01	1.0	E
8/16/2023 13:35:00	17.6	33.5	15.9	0.04	0.03	-0.01	1.0	ESE
8/16/2023 13:36:00	16.3	36.4	20.1	0.04	0.00	-0.04	1.0	ENE
8/16/2023 13:37:00	15.9	39.7	23.8	0.03	0.00	-0.02	1.0	ENE
8/16/2023 13:38:00	15.3	40.8	25.5	0.01	0.00	-0.01	1.0	E
8/16/2023 13:39:00	14.9	40.5	25.6	0.01	0.00	0.00	1.1	E
8/16/2023 13:40:00	15.5	40.4	24.9	0.01	0.00	0.00	1.1	S
8/16/2023 13:41:00	17.2	40.2	23.0	0.01	0.00	0.00	1.2	W
8/16/2023 13:42:00	17.9	40.5	22.6	0.00	0.00	0.00	1.2	SSW
8/16/2023 13:43:00	19.1	41.8	22.7	0.00	0.00	0.00	1.2	S
8/16/2023 13:44:00	19.1	42.7	23.5	0.00	0.00	0.00	1.1	SSE
8/16/2023 13:45:00	17.4	42.5	25.1	0.00	0.00	0.00	1.2	ENE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 13:46:00	17.4	39.1	21.7	0.00	0.00	0.00	1.3	E
8/16/2023 13:47:00	17.9	35.7	17.9	0.01	0.00	-0.01	1.3	SE
8/16/2023 13:48:00	18.9	32.4	13.5	0.01	0.01	0.00	1.3	S
8/16/2023 13:49:00	19.4	30.4	11.1	0.01	0.01	-0.01	1.4	ENE
8/16/2023 13:50:00	19.8	29.1	9.3	0.01	0.01	0.00	1.4	S
8/16/2023 13:51:00	20.5	26.2	5.7	0.01	0.01	0.00	1.3	SW
8/16/2023 13:52:00	21.3	22.6	1.3	0.01	0.01	0.00	1.3	WNW
8/16/2023 13:53:00	22.8	21.5	-1.3	0.01	0.01	0.00	1.3	SSW
8/16/2023 13:54:00	23.2	23.8	0.6	0.01	0.01	0.00	1.2	SW
8/16/2023 13:55:00	22.6	24.8	2.3	0.01	0.01	0.00	1.2	S
8/16/2023 13:56:00	20.6	25.2	4.6	0.01	0.01	0.00	1.2	E
8/16/2023 13:57:00	19.5	25.1	5.5	0.01	0.01	0.00	1.2	SE
8/16/2023 13:58:00	18.4	23.4	5.0	0.01	0.01	0.00	1.2	SSE
8/16/2023 13:59:00	18.6	22.2	3.7	0.01	0.01	0.00	1.2	SSE
8/16/2023 14:00:00	18.2	23.0	4.8	0.01	0.01	0.00	1.2	E
8/16/2023 14:01:00	17.8	22.7	4.8	0.01	0.02	0.01	1.1	SSW
8/16/2023 14:02:00	17.3	22.4	5.0	0.01	0.03	0.02	1.1	SW
8/16/2023 14:03:00	16.8	21.9	5.1	0.01	0.02	0.00	1.1	N
8/16/2023 14:04:00	16.6	20.2	3.6	0.01	0.03	0.02	1.1	S
8/16/2023 14:05:00	16.1	20.1	4.0	0.01	0.02	0.01	1.3	SSW
8/16/2023 14:06:00	16.3	19.9	3.6	0.01	0.02	0.01	1.4	SSW
8/16/2023 14:07:00	15.9	19.8	3.9	0.01	0.02	0.01	1.4	S
8/16/2023 14:08:00	14.8	19.3	4.4	0.01	0.02	0.01	1.4	SSE
8/16/2023 14:09:00	14.7	17.6	2.9	0.01	0.02	0.01	1.4	SSE
8/16/2023 14:10:00	14.8	17.2	2.4	0.01	0.02	0.01	1.4	E
8/16/2023 14:11:00	16.0	16.7	0.8	0.01	0.02	0.01	1.3	W
8/16/2023 14:12:00	16.2	17.2	1.0	0.01	0.02	0.01	1.3	ENE
8/16/2023 14:13:00	17.1	17.0	-0.1	0.01	0.02	0.01	1.3	SSW
8/16/2023 14:14:00	17.9	17.0	-0.9	0.01	0.02	0.01	1.2	S
8/16/2023 14:15:00	17.9	17.0	-0.9	0.01	0.02	0.01	1.3	ENE
8/16/2023 14:16:00	18.0	17.4	-0.6	0.02	0.02	-0.01	1.3	E
8/16/2023 14:17:00	18.4	17.2	-1.2	0.02	0.03	0.00	1.3	SSE
8/16/2023 14:18:00	19.0	17.2	-1.8	0.02	0.03	0.01	1.3	S

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 14:19:00	19.8	17.6	-2.1	0.02	0.03	0.01	1.2	SW
8/16/2023 14:20:00	20.2	18.3	-1.9	0.02	0.02	0.01	1.1	SSW
8/16/2023 14:21:00	19.7	18.1	-1.6	0.02	0.02	0.01	1.1	E
8/16/2023 14:22:00	19.4	18.1	-1.4	0.02	0.02	0.01	1.1	SE
8/16/2023 14:23:00	19.3	18.0	-1.3	0.02	0.02	0.01	1.0	WNW
8/16/2023 14:24:00	19.5	17.5	-2.0	0.02	0.02	0.01	1.0	WNW
8/16/2023 14:25:00	20.1	17.8	-2.3	0.02	0.02	0.01	1.1	S
8/16/2023 14:26:00	19.4	17.9	-1.5	0.02	0.02	0.01	1.1	SSE
8/16/2023 14:27:00	19.3	17.7	-1.6	0.02	0.02	0.01	1.1	ENE
8/16/2023 14:28:00	18.4	18.3	-0.1	0.02	0.02	0.01	1.1	ENE
8/16/2023 14:29:00	17.2	18.6	1.4	0.02	0.02	0.01	1.1	ESE
8/16/2023 14:30:00	16.9	18.2	1.2	0.01	0.02	0.01	1.1	SE
8/16/2023 14:31:00	16.8	17.5	0.7	0.00	0.02	0.02	1.1	N
8/16/2023 14:32:00	16.6	17.4	0.8	0.00	0.01	0.01	1.0	N
8/16/2023 14:33:00	15.7	17.4	1.8	0.00	0.00	0.00	1.0	N
8/16/2023 14:34:00	15.0	17.4	2.4	0.00	0.00	0.00	1.0	NW
8/16/2023 14:35:00	15.0	17.2	2.2	0.00	0.00	0.00	0.9	ESE
8/16/2023 14:36:00	15.2	17.5	2.3	0.00	0.00	0.00	0.9	NW
8/16/2023 14:37:00	15.4	17.9	2.5	0.00	0.00	0.00	0.9	ENE
8/16/2023 14:38:00	15.8	18.1	2.3	0.00	0.00	0.00	0.9	WNW
8/16/2023 14:39:00	16.2	18.3	2.1	0.00	0.00	0.00	0.9	SW
8/16/2023 14:40:00	15.7	18.1	2.4	0.00	0.00	0.00	0.9	NNE
8/16/2023 14:41:00	16.2	24.4	8.2	0.00	0.00	0.00	0.9	SE
8/16/2023 14:42:00	16.8	26.4	9.6	0.00	0.00	0.00	0.9	SE
8/16/2023 14:43:00	17.4	25.7	8.3	0.00	0.00	0.00	0.8	ENE
8/16/2023 14:44:00	16.9	25.4	8.5	0.00	0.00	0.00	0.8	SW
8/16/2023 14:45:00	17.4	24.6	7.2	0.00	0.00	0.00	0.7	ENE
8/16/2023 14:46:00	17.6	23.9	6.4	0.00	0.00	0.00	0.7	SSE
8/16/2023 14:47:00	17.5	23.4	5.9	0.00	0.00	0.00	0.7	SE
8/16/2023 14:48:00	17.3	23.0	5.7	0.00	0.00	0.00	0.7	S
8/16/2023 14:49:00	16.8	22.6	5.8	0.00	0.00	0.00	0.6	WNW
8/16/2023 14:50:00	16.6	22.2	5.5	0.00	0.00	0.00	0.6	NNW
8/16/2023 14:51:00	16.6	21.9	5.4	0.00	0.00	0.00	0.7	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/16/2023 14:52:00	16.3	21.4	5.2	0.00	0.00	0.00	0.7	ENE
8/16/2023 14:53:00	15.8	21.1	5.3	0.00	0.00	0.00	0.7	NE
8/16/2023 14:54:00	15.2	20.6	5.4	0.00	0.00	0.00	0.7	NNW
8/16/2023 14:55:00	14.8	21.1	6.3	0.00	0.00	0.00	0.7	ENE
8/16/2023 14:56:00	13.8	14.5	0.7	0.00	0.00	0.00	0.7	NNE
8/16/2023 14:57:00	12.9	11.9	-1.0	0.00	0.00	0.00	0.7	WNW
8/16/2023 14:58:00	12.1	11.7	-0.4	0.00	0.00	0.00	0.7	NNE
8/16/2023 14:59:00	12.1	11.4	-0.7	0.01	0.00	-0.01	0.7	NW
8/16/2023 15:00:00	11.4	11.5	0.1	0.01	0.01	0.00	0.7	SE
8/16/2023 15:01:00	10.8	11.6	0.8	0.01	0.01	0.01	0.7	NNW
8/16/2023 15:02:00	10.4	11.7	1.3	0.01	0.01	0.01	0.9	E
8/16/2023 15:03:00				0.00	0.01	0.01	0.9	E
8/16/2023 15:04:00				0.00	0.01	0.01	1.0	E
8/16/2023 15:05:00				0.00	0.01	0.01	1.0	NNW
8/16/2023 15:06:00	8.3	14.7	6.3	0.00	0.01	0.01	1.0	NNW
8/16/2023 15:07:00	8.3	15.9	7.7	0.00	0.01	0.01	0.9	N
8/16/2023 15:08:00	8.3	13.1	4.8	0.00	0.01	0.01	0.9	NW