

DAILY FIELD REPORT 031

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	July 19, 2023
------------------------	---------	--------------	---------------

Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 4:15 pm
----------------------	---	--------------	--------------------

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 an about 20-foot-long by 5-foot-wide area to about 5-feet below grade surface (bgs) in the northwestern area of waste characterization grids WC03_0-5 to prepare for equipment mobilization. Excavated soil/fill was graded adjacent to the excavation area.
- Urban excavated an about 15-foot-long by 5-foot-wide area to about 5-feet bgs in the southwestern area of waste characterization grids WC05_0-5 to investigate possible subsurface obstructions in anticipation for drilling. Excavated soil/fill was placed back into the excavation area and graded.
- Urban graded an about 50-foot-long by 50-foot-wide area of soil/fill in the central part of waste characterization grid WC02 and an about 100-foot-long by 100-foot-wide area of soil/fill in the eastern part of waste characterization 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, about 58-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the northwestern and western parts of the site.
- Urban began drilling one rock socket for one caisson using a Double L drilling rig in the central part of the site.

Material Tracking:

- The following soil/fill was exported from the site:
 - 2 loads of soil/fill from waste characterization grid WC02_COMP_0-5 to the Clean Earth of Carteret LLC facility in Carteret, NJ.
 - 4 loads of soil/fill from waste characterization grid WC03_COMP_0-5 to Bayshore Soil Management, LLC facility in Keasbey, NY.
- 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)
		4	80	2	40	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)
	30	600	25	500	0	-	14	280

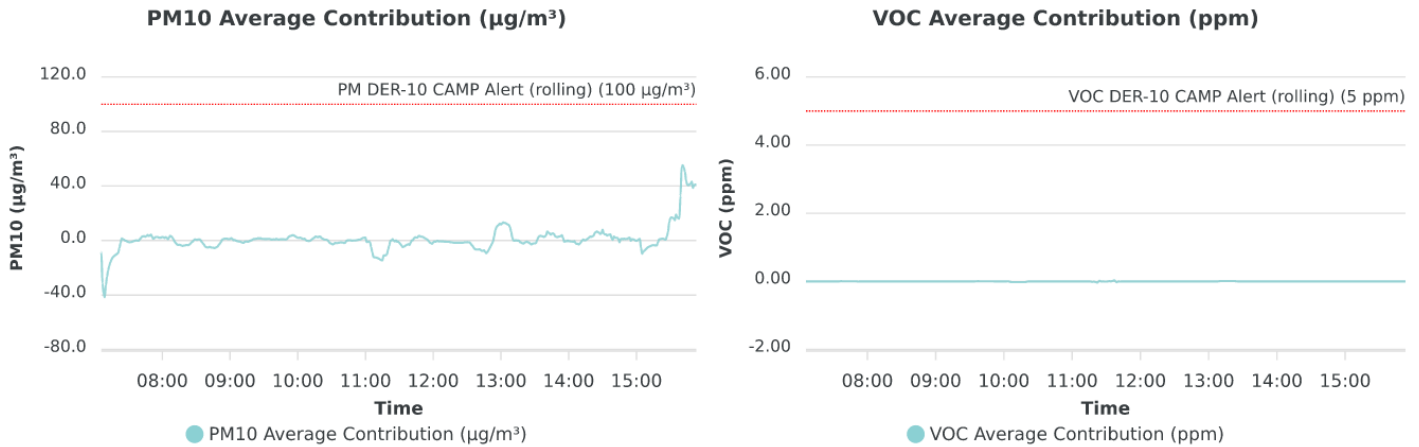
Materials Export Summary		
Facility Name	Dale Transfer Corp.	
Location	West Babylon, NY	
Type of Waste	Concrete	
Today	Number of Loads	Approx. Volume (CY)
		0
Total	Number of Loads	Approx. Volume (CY)
	2	40

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	54.6	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-41.7	VOC Average Site Contribution (Minimum)	-0.04
PM10 Average Site Contribution (Maximum)	55.3	VOC Average Site Contribution (Maximum)	0.03

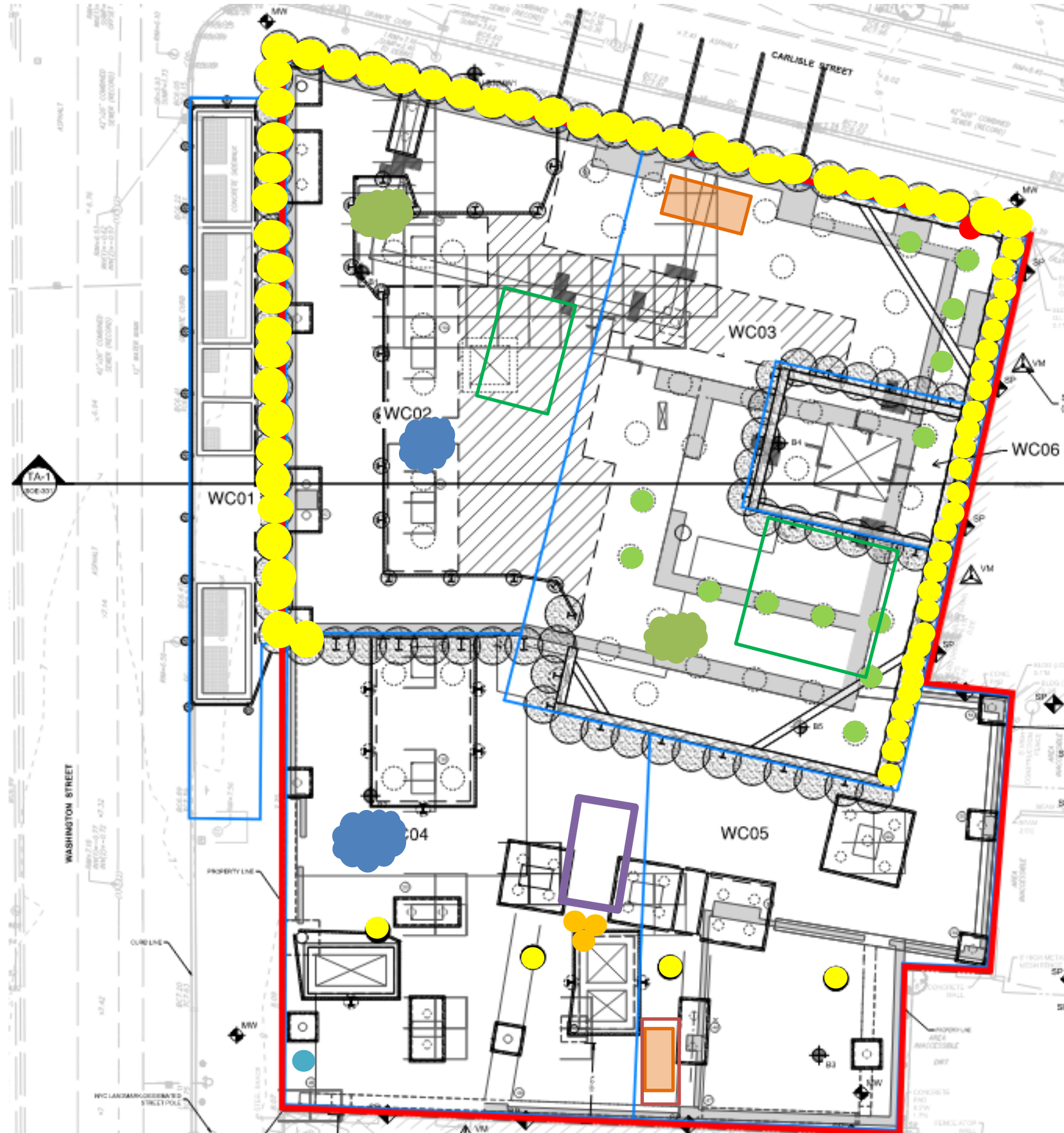
µg/m³: micrograms per cubic meter.














ppm: parts per million.

Planned Activities:

- Urban will continue installing soil-mix columns throughout the site.
- Urban will continue installing caisson casings throughout the site.
- Urban will export soil from WC02_0-5 and WC03_0-5.

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



Photo 2: Urban excavating soil/fill in waste characterization grid WC05_0-5.



Photo 3: View of CAMP Station 2 in the southwestern part of the site (facing south).



Photo 4: View of CAMP Station 1 in the northeastern part of the site (facing east).



Photo 5: View of the entrance/exit of the site along Washington Street at the end of the work day (facing north).

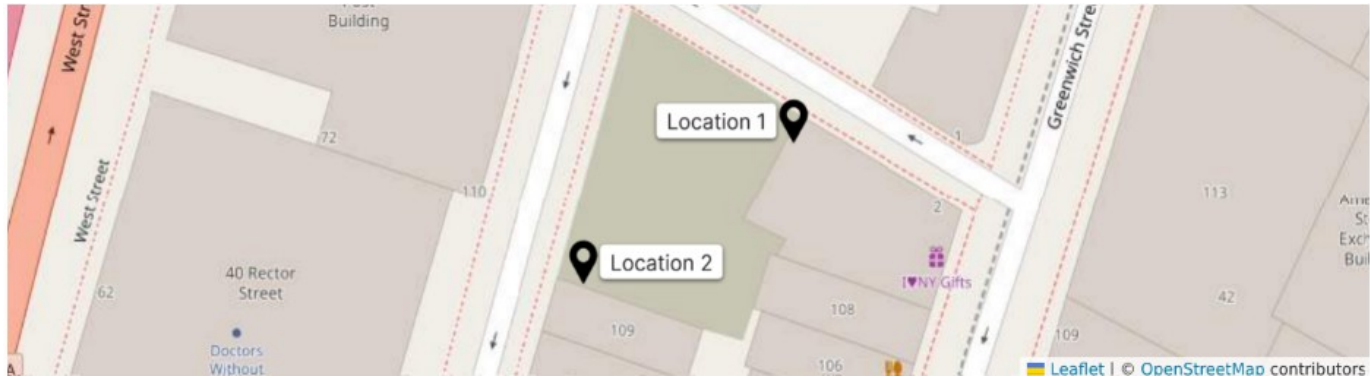


Photo 6: View of the entrance/exit of the site at the corner of Washington and Carlisle Street at the end of the work day (facing southeast).



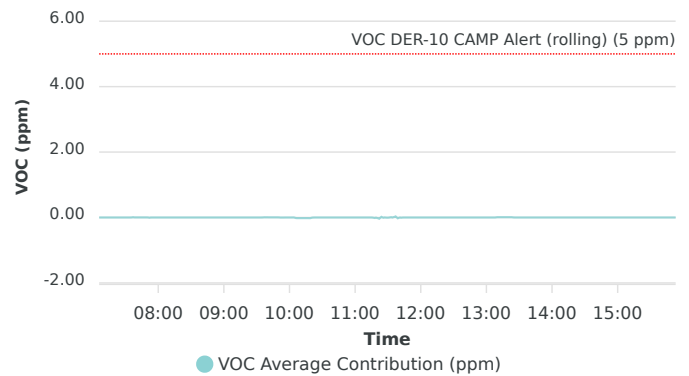
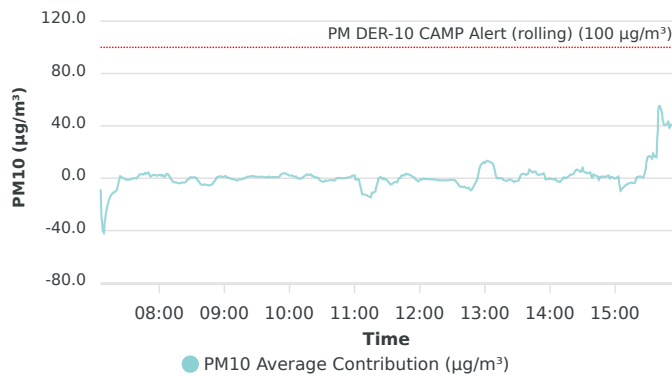
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	7/19/2023 00:00
		To:	7/19/2023 22:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
7/19/2023	0.3-2.6	WSW

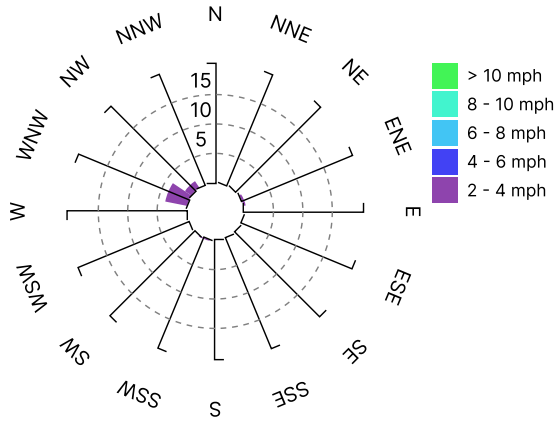


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

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
7/19/2023 07:06:00	54.6	46.1	-8.6	0.00	0.00	0.00	0.7	ESE
7/19/2023 07:07:00	54.5	23.0	-31.4	0.00	0.00	0.00	0.8	SSE
7/19/2023 07:08:00	54.2	15.4	-38.8	0.00	0.00	0.00	1.0	S
7/19/2023 07:09:00	53.2	11.5	-41.7	0.00	0.00	0.00	1.0	SW
7/19/2023 07:10:00	51.8	19.1	-32.7	0.00	0.00	0.00	1.0	SW
7/19/2023 07:11:00	50.7	24.0	-26.7	0.00	0.00	0.00	1.0	WSW
7/19/2023 07:12:00	49.7	27.6	-22.1	0.00	0.00	0.00	1.0	SSW
7/19/2023 07:13:00	48.9	30.3	-18.6	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:14:00	48.3	32.3	-16.0	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:15:00	47.8	33.8	-14.0	0.00	0.00	0.00	0.9	SSE
7/19/2023 07:16:00	47.5	35.0	-12.5	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:17:00	47.4	35.8	-11.6	0.00	0.00	0.00	0.9	SE
7/19/2023 07:18:00	47.4	36.5	-10.9	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:19:00	47.5	37.1	-10.4	0.00	0.00	0.00	1.0	SSW
7/19/2023 07:20:00	47.3	37.6	-9.7	0.00	0.00	0.00	1.0	SW
7/19/2023 07:21:00	46.5	37.5	-9.1	0.00	0.00	0.00	1.0	S
7/19/2023 07:22:00	45.9	40.5	-5.4	0.00	0.00	0.00	1.0	SW
7/19/2023 07:23:00	45.3	43.5	-1.8	0.00	0.00	0.00	0.9	SW
7/19/2023 07:24:00	45.0	46.6	1.5	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:25:00	45.5	46.4	1.0	0.00	0.00	0.00	0.9	SW
7/19/2023 07:26:00	45.7	46.3	0.6	0.00	0.00	0.00	0.9	SW
7/19/2023 07:27:00	46.2	46.1	0.0	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:28:00	46.2	46.0	-0.2	0.00	0.00	0.00	1.0	SE
7/19/2023 07:29:00	46.5	45.8	-0.8	0.00	0.00	0.00	1.0	S
7/19/2023 07:30:00	46.7	45.6	-1.1	0.00	0.00	0.00	1.0	S
7/19/2023 07:31:00	46.8	45.5	-1.3	0.00	0.00	0.00	0.9	SW
7/19/2023 07:32:00	46.6	45.4	-1.2	0.00	0.00	0.00	1.0	E
7/19/2023 07:33:00	46.3	45.3	-1.0	0.00	0.00	0.00	0.9	S
7/19/2023 07:34:00	46.0	45.4	-0.6	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:35:00	46.2	45.8	-0.4	0.00	0.00	0.00	0.9	SSW
7/19/2023 07:36:00	46.1	46.0	-0.1	0.00	0.00	0.00	0.9	W
7/19/2023 07:37:00	46.0	46.1	0.1	0.00	0.01	0.01	0.9	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
7/19/2023 07:38:00	46.1	46.0	-0.1	0.01	0.01	0.00	1.0	N
7/19/2023 07:39:00	46.2	46.1	-0.2	0.01	0.01	0.00	1.0	N
7/19/2023 07:40:00	45.8	46.7	0.9	0.01	0.01	0.00	1.0	S
7/19/2023 07:41:00	45.5	47.2	1.7	0.01	0.01	0.00	1.0	S
7/19/2023 07:42:00	45.0	47.9	2.9	0.01	0.01	0.00	1.0	SW
7/19/2023 07:43:00	45.1	48.1	3.1	0.01	0.01	0.00	1.0	SW
7/19/2023 07:44:00	45.0	48.2	3.2	0.01	0.01	0.00	1.0	NNE
7/19/2023 07:45:00	45.4	48.2	2.8	0.01	0.01	0.00	1.0	SE
7/19/2023 07:46:00	45.4	48.7	3.3	0.01	0.01	0.00	1.1	SSE
7/19/2023 07:47:00	45.7	49.8	4.1	0.01	0.01	0.00	1.1	SSW
7/19/2023 07:48:00	46.7	50.1	3.4	0.01	0.01	0.00	1.1	N
7/19/2023 07:49:00	47.1	50.8	3.7	0.01	0.01	0.00	1.1	W
7/19/2023 07:50:00	47.1	51.5	4.4	0.01	0.01	0.00	1.1	WNW
7/19/2023 07:51:00	48.5	51.3	2.7	0.01	0.01	0.00	1.1	ENE
7/19/2023 07:52:00	49.9	51.2	1.3	0.01	0.00	-0.01	1.0	ESE
7/19/2023 07:53:00	50.0	51.7	1.8	0.00	0.00	0.00	1.0	SSW
7/19/2023 07:54:00	49.8	52.2	2.5	0.00	0.00	0.00	1.0	SW
7/19/2023 07:55:00	49.7	52.3	2.6	0.00	0.00	0.00	1.0	WSW
7/19/2023 07:56:00	49.8	52.3	2.5	0.00	0.00	0.00	1.0	S
7/19/2023 07:57:00	49.8	51.9	2.1	0.00	0.00	0.00	1.0	SSW
7/19/2023 07:58:00	49.7	51.8	2.1	0.00	0.00	0.00	1.0	S
7/19/2023 07:59:00	49.5	51.6	2.1	0.00	0.00	0.00	1.0	SE
7/19/2023 08:00:00	49.1	51.7	2.6	0.00	0.00	0.00	1.0	SSW
7/19/2023 08:01:00	49.2	51.6	2.4	0.00	0.00	0.00	0.9	S
7/19/2023 08:02:00	48.9	50.8	1.8	0.00	0.00	0.00	1.0	SSW
7/19/2023 08:03:00	48.1	50.6	2.5	0.00	0.00	0.00	1.0	SW
7/19/2023 08:04:00	47.9	49.8	1.9	0.00	0.00	0.00	1.0	S
7/19/2023 08:05:00	48.0	48.9	0.9	0.00	0.00	0.00	1.0	S
7/19/2023 08:06:00	46.7	48.9	2.2	0.00	0.00	0.00	1.1	SSW
7/19/2023 08:07:00	45.4	48.8	3.5	0.00	0.00	0.00	1.1	SW
7/19/2023 08:08:00	45.4	48.4	3.0	0.00	0.00	0.00	1.1	S
7/19/2023 08:09:00	45.7	47.8	2.1	0.00	0.00	0.00	1.1	W
7/19/2023 08:10:00	46.2	46.9	0.7	0.00	0.00	0.00	1.1	WNW

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
7/19/2023 08:11:00	47.2	46.3	-0.9	0.00	0.00	0.00	1.1	SSE
7/19/2023 08:12:00	47.9	45.9	-1.9	0.00	0.00	0.00	1.0	SSE
7/19/2023 08:13:00	48.4	45.5	-2.9	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:14:00	48.9	45.6	-3.3	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:15:00	48.7	45.7	-3.1	0.00	0.00	0.00	1.0	S
7/19/2023 08:16:00	48.8	45.5	-3.3	0.00	0.00	0.00	1.0	SSE
7/19/2023 08:17:00	49.0	45.3	-3.7	0.00	0.00	0.00	1.0	S
7/19/2023 08:18:00	49.1	45.2	-4.0	0.00	0.00	0.00	0.9	S
7/19/2023 08:19:00	48.9	45.2	-3.7	0.00	0.00	0.00	0.9	NE
7/19/2023 08:20:00	48.8	45.1	-3.6	0.00	0.00	0.00	0.9	E
7/19/2023 08:21:00	48.7	45.3	-3.4	0.00	0.00	0.00	0.8	E
7/19/2023 08:22:00	48.6	45.3	-3.3	0.00	0.00	0.00	0.8	SE
7/19/2023 08:23:00	48.6	45.2	-3.4	0.00	0.00	0.00	0.8	SSE
7/19/2023 08:24:00	48.1	45.1	-3.0	0.00	0.00	0.00	0.8	NNW
7/19/2023 08:25:00	47.4	45.1	-2.3	0.00	0.00	0.00	0.7	WSW
7/19/2023 08:26:00	46.2	45.0	-1.2	0.00	0.00	0.00	0.8	W
7/19/2023 08:27:00	45.8	45.0	-0.8	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:28:00	45.3	45.7	0.3	0.00	0.00	0.00	0.9	SSE
7/19/2023 08:29:00	44.7	45.6	0.9	0.00	0.00	0.00	0.9	SE
7/19/2023 08:30:00	44.7	45.3	0.6	0.00	0.00	0.00	0.8	ESE
7/19/2023 08:31:00	44.6	45.1	0.5	0.00	0.00	0.00	0.8	SSE
7/19/2023 08:32:00	44.3	45.0	0.8	0.00	0.00	0.00	0.8	W
7/19/2023 08:33:00	44.1	44.9	0.8	0.00	0.00	0.00	0.8	SW
7/19/2023 08:34:00	44.8	45.0	0.2	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:35:00	46.1	45.1	-1.1	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:36:00	47.1	45.0	-2.1	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:37:00	48.2	45.1	-3.1	0.00	0.00	0.00	0.8	SW
7/19/2023 08:38:00	49.7	45.3	-4.5	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:39:00	50.2	45.3	-4.9	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:40:00	50.5	45.4	-5.1	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:41:00	50.5	45.5	-5.0	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:42:00	50.1	45.5	-4.6	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:43:00	50.0	44.9	-5.1	0.00	0.00	0.00	0.8	WSW

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
7/19/2023 08:44:00	50.1	45.0	-5.2	0.00	0.00	0.00	0.7	NE
7/19/2023 08:45:00	50.3	45.1	-5.2	0.00	0.00	0.00	0.7	SW
7/19/2023 08:46:00	50.8	45.2	-5.6	0.00	0.00	0.00	0.8	SSE
7/19/2023 08:47:00	51.0	45.6	-5.4	0.00	0.00	0.00	0.8	SSE
7/19/2023 08:48:00	50.8	45.9	-4.9	0.00	0.00	0.00	0.8	SE
7/19/2023 08:49:00	50.3	45.8	-4.5	0.00	0.00	0.00	0.8	S
7/19/2023 08:50:00	48.7	45.6	-3.2	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:51:00	47.6	45.4	-2.2	0.00	0.00	0.00	0.8	SSW
7/19/2023 08:52:00	46.4	45.3	-1.1	0.00	0.00	0.00	0.8	SW
7/19/2023 08:53:00	44.6	45.2	0.6	0.00	0.00	0.00	0.9	S
7/19/2023 08:54:00	44.1	45.2	1.0	0.00	0.00	0.00	0.9	ESE
7/19/2023 08:55:00	43.9	45.2	1.3	0.00	0.00	0.00	0.9	SSW
7/19/2023 08:56:00	43.8	45.1	1.4	0.00	0.00	0.00	0.9	SW
7/19/2023 08:57:00	43.8	45.2	1.4	0.00	0.00	0.00	1.0	SW
7/19/2023 08:58:00	44.2	45.3	1.1	0.00	0.00	0.00	1.0	S
7/19/2023 08:59:00	44.5	45.5	1.0	0.00	0.00	0.00	1.0	S
7/19/2023 09:00:00	44.5	45.7	1.2	0.00	0.00	0.00	1.0	S
7/19/2023 09:01:00	44.3	46.0	1.7	0.00	0.00	0.00	1.0	SW
7/19/2023 09:02:00	44.9	46.1	1.2	0.00	0.00	0.00	1.0	SSE
7/19/2023 09:03:00	45.8	46.0	0.3	0.00	0.00	0.00	1.0	SSW
7/19/2023 09:04:00	45.8	46.2	0.4	0.00	0.00	0.00	1.0	WSW
7/19/2023 09:05:00	46.2	46.2	0.0	0.00	0.00	0.00	1.0	S
7/19/2023 09:06:00	46.6	46.2	-0.3	0.00	0.00	0.00	1.0	SW
7/19/2023 09:07:00	46.7	46.1	-0.6	0.00	0.00	0.00	1.0	SSW
7/19/2023 09:08:00	46.7	46.0	-0.8	0.00	0.00	0.00	0.9	NE
7/19/2023 09:09:00	46.6	45.8	-0.8	0.00	0.00	0.00	0.9	NE
7/19/2023 09:10:00	46.7	45.5	-1.2	0.00	0.00	0.00	0.9	NNE
7/19/2023 09:11:00	46.8	45.3	-1.6	0.00	0.00	0.00	0.9	NE
7/19/2023 09:12:00	46.9	45.1	-1.8	0.00	0.00	0.00	0.9	NE
7/19/2023 09:13:00	46.5	45.5	-1.0	0.00	0.00	0.00	0.9	ENE
7/19/2023 09:14:00	46.0	45.2	-0.8	0.00	0.00	0.00	0.9	NNE
7/19/2023 09:15:00	45.7	44.9	-0.8	0.00	0.00	0.00	0.8	NNW
7/19/2023 09:16:00	45.5	44.6	-0.9	0.00	0.00	0.00	0.9	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/19/2023 09:17:00	44.8	44.2	-0.6	0.00	0.00	0.00	0.9	ENE
7/19/2023 09:18:00	44.0	44.0	0.0	0.00	0.00	0.00	0.8	N
7/19/2023 09:19:00	44.1	44.1	0.1	0.00	0.00	0.00	0.8	NW
7/19/2023 09:20:00	43.9	44.6	0.7	0.00	0.00	0.00	0.8	NW
7/19/2023 09:21:00	43.8	45.0	1.1	0.00	0.00	0.00	0.8	WNW
7/19/2023 09:22:00	44.1	45.2	1.1	0.00	0.00	0.00	0.8	WNW
7/19/2023 09:23:00	44.3	45.5	1.3	0.00	0.00	0.00	0.8	W
7/19/2023 09:24:00	44.5	45.9	1.4	0.00	0.00	0.00	0.8	ESE
7/19/2023 09:25:00	44.6	46.4	1.7	0.00	0.00	0.00	0.8	NNE
7/19/2023 09:26:00	45.3	46.7	1.4	0.00	0.00	0.00	0.8	WSW
7/19/2023 09:27:00	45.6	47.4	1.7	0.00	0.00	0.00	0.8	E
7/19/2023 09:28:00	45.9	47.2	1.3	0.00	0.00	0.00	0.8	ESE
7/19/2023 09:29:00	46.3	47.4	1.2	0.00	0.00	0.00	0.8	SW
7/19/2023 09:30:00	46.6	47.8	1.1	0.00	0.00	0.00	0.8	ENE
7/19/2023 09:31:00	46.9	48.0	1.1	0.00	0.00	0.00	0.9	E
7/19/2023 09:32:00	47.1	48.2	1.1	0.00	0.00	0.00	0.9	N
7/19/2023 09:33:00	47.1	48.3	1.1	0.00	0.00	0.00	0.9	N
7/19/2023 09:34:00	47.1	48.4	1.2	0.00	0.00	0.00	0.9	E
7/19/2023 09:35:00	47.1	48.2	1.1	0.00	0.00	0.00	0.9	ENE
7/19/2023 09:36:00	47.2	48.0	0.8	0.00	0.00	0.00	0.9	NE
7/19/2023 09:37:00	47.3	47.9	0.7	0.00	0.01	0.01	0.9	ENE
7/19/2023 09:38:00	47.3	48.2	0.8	0.00	0.01	0.01	0.9	WSW
7/19/2023 09:39:00	47.4	48.3	0.9	0.00	0.01	0.01	0.9	W
7/19/2023 09:40:00	47.5	48.2	0.7	0.00	0.01	0.01	0.9	S
7/19/2023 09:41:00	47.1	48.4	1.3	0.00	0.01	0.00	0.9	SSE
7/19/2023 09:42:00	47.0	47.9	0.9	0.00	0.01	0.00	0.8	ESE
7/19/2023 09:43:00	46.9	47.6	0.6	0.00	0.01	0.00	0.8	SW
7/19/2023 09:44:00	46.8	47.6	0.8	0.00	0.01	0.00	0.8	SSW
7/19/2023 09:45:00	46.6	47.5	0.9	0.00	0.01	0.00	0.8	SSW
7/19/2023 09:46:00	46.5	47.4	0.9	0.00	0.01	0.00	0.8	WNW
7/19/2023 09:47:00	46.4	47.3	0.9	0.00	0.01	0.00	0.8	SW
7/19/2023 09:48:00	46.2	47.1	0.9	0.00	0.01	0.00	0.9	SSW
7/19/2023 09:49:00	46.1	46.9	0.8	0.00	0.01	0.00	0.9	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
7/19/2023 09:50:00	46.2	47.1	0.9	0.00	0.01	0.00	0.9	SW
7/19/2023 09:51:00	46.3	47.9	1.6	0.00	0.00	0.00	0.9	SW
7/19/2023 09:52:00	46.2	49.0	2.7	0.00	0.00	0.00	1.0	SSW
7/19/2023 09:53:00	46.5	49.8	3.2	0.00	0.00	0.00	0.9	SSE
7/19/2023 09:54:00	46.8	50.2	3.4	0.00	0.00	0.00	0.9	SE
7/19/2023 09:55:00	46.7	50.5	3.8	0.00	0.00	0.00	0.9	ESE
7/19/2023 09:56:00	46.7	50.5	3.9	0.00	0.00	0.00	0.9	SE
7/19/2023 09:57:00	47.0	50.6	3.5	0.00	0.00	0.00	0.9	SW
7/19/2023 09:58:00	47.6	50.5	2.9	0.00	0.00	0.00	0.8	SW
7/19/2023 09:59:00	48.0	50.5	2.4	0.00	0.00	0.00	0.8	SSW
7/19/2023 10:00:00	48.4	50.4	2.0	0.00	0.00	0.00	0.8	SSW
7/19/2023 10:01:00	48.6	50.5	1.9	0.00	0.00	0.00	0.8	SSE
7/19/2023 10:02:00	49.0	51.1	2.1	0.00	0.00	0.00	0.8	S
7/19/2023 10:03:00	49.8	51.6	1.9	0.00	0.00	0.00	0.7	SSW
7/19/2023 10:04:00	50.5	51.8	1.3	0.00	0.00	0.00	0.7	W
7/19/2023 10:05:00	50.8	51.9	1.1	0.01	0.00	-0.01	0.7	WNW
7/19/2023 10:06:00	50.8	52.1	1.4	0.02	0.00	-0.02	0.7	SW
7/19/2023 10:07:00	50.8	51.2	0.4	0.02	0.00	-0.02	0.8	WSW
7/19/2023 10:08:00	50.4	50.3	-0.1	0.02	0.00	-0.02	0.8	W
7/19/2023 10:09:00	50.2	50.0	-0.2	0.02	0.00	-0.02	0.9	S
7/19/2023 10:10:00	50.2	49.8	-0.4	0.02	0.00	-0.02	0.9	S
7/19/2023 10:11:00	50.1	50.0	-0.1	0.02	0.00	-0.02	1.0	SW
7/19/2023 10:12:00	49.6	50.1	0.5	0.02	0.00	-0.02	1.0	SSW
7/19/2023 10:13:00	49.0	50.2	1.2	0.02	0.00	-0.02	1.1	SW
7/19/2023 10:14:00	48.5	50.2	1.7	0.02	0.00	-0.02	1.1	S
7/19/2023 10:15:00	48.1	50.5	2.4	0.02	0.00	-0.02	1.1	WSW
7/19/2023 10:16:00	47.8	50.8	3.0	0.02	0.00	-0.02	1.1	SW
7/19/2023 10:17:00	47.6	50.2	2.6	0.02	0.00	-0.02	1.2	ENE
7/19/2023 10:18:00	47.5	49.8	2.4	0.02	0.00	-0.02	1.1	W
7/19/2023 10:19:00	46.8	49.7	3.0	0.02	0.00	-0.02	1.1	NW
7/19/2023 10:20:00	46.4	49.2	2.8	0.01	0.00	-0.01	1.1	W
7/19/2023 10:21:00	46.7	48.4	1.7	0.00	0.00	0.00	1.0	SSE
7/19/2023 10:22:00	47.3	48.7	1.4	0.00	0.00	0.00	1.0	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
7/19/2023 10:23:00	47.9	48.7	0.9	0.00	0.00	0.00	0.9	S
7/19/2023 10:24:00	48.0	48.6	0.7	0.00	0.00	0.00	0.9	SSW
7/19/2023 10:25:00	47.9	48.5	0.6	0.00	0.00	0.00	0.8	SW
7/19/2023 10:26:00	47.8	48.2	0.4	0.00	0.00	0.00	0.8	SSW
7/19/2023 10:27:00	48.0	47.9	-0.2	0.00	0.00	0.00	0.8	SSE
7/19/2023 10:28:00	49.4	47.8	-1.6	0.00	0.00	0.00	0.8	NE
7/19/2023 10:29:00	50.1	48.0	-2.1	0.00	0.00	0.00	0.7	NE
7/19/2023 10:30:00	50.3	47.9	-2.4	0.00	0.00	0.00	0.8	ENE
7/19/2023 10:31:00	50.6	47.7	-2.9	0.00	0.00	0.00	0.7	N
7/19/2023 10:32:00	50.5	48.0	-2.5	0.00	0.00	0.00	0.7	ENE
7/19/2023 10:33:00	50.1	48.3	-1.8	0.00	0.00	0.00	0.8	ENE
7/19/2023 10:34:00	50.3	48.4	-1.9	0.00	0.00	0.00	0.8	W
7/19/2023 10:35:00	50.4	48.4	-1.9	0.00	0.00	0.00	0.8	ESE
7/19/2023 10:36:00	50.0	48.3	-1.6	0.00	0.00	0.00	0.8	SE
7/19/2023 10:37:00	49.4	47.8	-1.6	0.00	0.00	0.00	0.8	SE
7/19/2023 10:38:00	48.9	47.6	-1.3	0.00	0.00	0.00	0.8	ENE
7/19/2023 10:39:00	48.9	47.4	-1.4	0.00	0.00	0.00	0.8	E
7/19/2023 10:40:00	49.0	47.5	-1.5	0.00	0.00	0.00	0.8	WSW
7/19/2023 10:41:00	49.4	47.6	-1.8	0.00	0.00	0.00	0.8	SSW
7/19/2023 10:42:00	49.4	47.8	-1.6	0.00	0.00	0.00	0.8	SSW
7/19/2023 10:43:00	48.2	47.9	-0.3	0.00	0.00	0.00	0.8	W
7/19/2023 10:44:00	47.6	47.7	0.1	0.00	0.00	0.00	0.8	W
7/19/2023 10:45:00	47.5	47.7	0.2	0.00	0.00	0.00	0.8	SW
7/19/2023 10:46:00	47.4	47.7	0.2	0.00	0.00	0.00	0.7	SW
7/19/2023 10:47:00	47.4	47.5	0.1	0.00	0.00	0.00	0.7	WSW
7/19/2023 10:48:00	47.4	47.3	-0.1	0.00	0.00	0.00	0.7	WSW
7/19/2023 10:49:00	47.3	47.3	0.0	0.00	0.00	0.00	0.8	WSW
7/19/2023 10:50:00	47.3	47.2	0.0	0.00	0.00	0.00	0.8	WSW
7/19/2023 10:51:00	47.2	47.3	0.1	0.00	0.00	0.00	0.9	WSW
7/19/2023 10:52:00	47.2	47.4	0.2	0.00	0.00	0.00	1.0	SW
7/19/2023 10:53:00	47.2	47.6	0.4	0.00	0.00	0.00	1.0	SSW
7/19/2023 10:54:00	47.1	47.8	0.6	0.00	0.00	0.00	0.9	SSW
7/19/2023 10:55:00	47.1	47.8	0.7	0.00	0.00	0.00	1.0	WSW

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
7/19/2023 10:56:00	46.9	47.8	1.0	0.00	0.00	0.00	1.0	W
7/19/2023 10:57:00	46.6	48.2	1.5	0.00	0.00	0.00	1.1	W
7/19/2023 10:58:00	46.6	48.5	1.9	0.00	0.00	0.00	1.1	W
7/19/2023 10:59:00	46.6	48.7	2.1	0.00	0.00	0.00	1.1	SSE
7/19/2023 11:00:00	46.7	48.9	2.2	0.00	0.00	0.00	1.2	S
7/19/2023 11:01:00	46.8	45.7	-1.2	0.00	0.00	0.00	1.2	W
7/19/2023 11:02:00	46.9	46.0	-0.9	0.00	0.00	0.00	1.2	SSW
7/19/2023 11:03:00	47.0	46.3	-0.7	0.00	0.00	0.00	1.2	SSW
7/19/2023 11:04:00	47.5	46.3	-1.2	0.00	0.00	0.00	1.1	NE
7/19/2023 11:05:00	48.1	43.1	-5.0	0.00	0.00	0.00	1.1	SE
7/19/2023 11:06:00	48.5	39.9	-8.5	0.00	0.00	0.00	1.0	ESE
7/19/2023 11:07:00	48.9	36.8	-12.1	0.00	0.00	0.00	1.0	W
7/19/2023 11:08:00	49.1	36.8	-12.3	0.00	0.00	0.00	1.1	SE
7/19/2023 11:09:00	49.2	36.8	-12.4	0.00	0.00	0.00	1.1	ESE
7/19/2023 11:10:00	49.5	36.9	-12.7	0.00	0.00	0.00	1.0	NW
7/19/2023 11:11:00	49.8	36.9	-12.9	0.00	0.00	0.00	1.0	NE
7/19/2023 11:12:00	50.1	36.7	-13.4	0.00	0.00	0.00	0.9	E
7/19/2023 11:13:00	50.3	36.3	-13.9	0.00	0.00	0.00	0.9	NNE
7/19/2023 11:14:00	50.6	36.2	-14.4	0.00	0.00	0.00	0.9	N
7/19/2023 11:15:00	50.9	36.3	-14.6	0.00	0.00	0.00	0.9	ESE
7/19/2023 11:16:00	51.1	40.2	-10.9	0.00	0.00	0.00	1.0	ESE
7/19/2023 11:17:00	51.5	40.5	-11.0	0.01	0.00	-0.01	1.0	E
7/19/2023 11:18:00	51.7	40.9	-10.8	0.01	0.00	-0.01	0.9	SE
7/19/2023 11:19:00	51.5	41.4	-10.2	0.01	0.01	0.00	0.9	NW
7/19/2023 11:20:00	51.8	45.2	-6.6	0.03	0.01	-0.01	1.0	E
7/19/2023 11:21:00	52.8	49.1	-3.8	0.03	0.01	-0.02	1.0	E
7/19/2023 11:22:00	53.0	52.9	-0.2	0.05	0.01	-0.04	1.0	ESE
7/19/2023 11:23:00	53.2	53.3	0.1	0.05	0.04	-0.01	0.9	WSW
7/19/2023 11:24:00	53.3	54.4	1.0	0.05	0.07	0.02	0.9	W
7/19/2023 11:25:00	54.2	54.1	-0.1	0.06	0.07	0.00	0.9	SE
7/19/2023 11:26:00	54.9	54.2	-0.7	0.07	0.07	-0.01	0.9	NNW
7/19/2023 11:27:00	54.9	55.0	0.1	0.07	0.07	0.00	1.0	SSW
7/19/2023 11:28:00	56.2	55.2	-0.9	0.08	0.07	0.00	1.0	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
7/19/2023 11:29:00	56.5	55.6	-0.8	0.08	0.07	-0.01	1.0	SE
7/19/2023 11:30:00	57.1	55.5	-1.6	0.08	0.07	-0.01	0.9	SE
7/19/2023 11:31:00	57.6	54.9	-2.7	0.08	0.07	0.00	0.8	ESE
7/19/2023 11:32:00	58.0	54.2	-3.8	0.07	0.07	0.00	0.8	E
7/19/2023 11:33:00	58.4	53.5	-4.8	0.07	0.07	0.01	0.8	ENE
7/19/2023 11:34:00	58.0	53.5	-4.5	0.07	0.07	0.00	0.8	WNW
7/19/2023 11:35:00	57.4	53.4	-4.0	0.06	0.07	0.01	0.8	WNW
7/19/2023 11:36:00	56.5	53.1	-3.4	0.05	0.07	0.02	0.8	S
7/19/2023 11:37:00	56.2	53.2	-3.0	0.03	0.07	0.03	0.8	SSW
7/19/2023 11:38:00	56.0	53.3	-2.7	0.03	0.04	0.00	0.9	SSW
7/19/2023 11:39:00	55.9	52.7	-3.2	0.03	0.01	-0.02	1.0	SSW
7/19/2023 11:40:00	54.9	53.3	-1.6	0.02	0.01	-0.01	1.0	S
7/19/2023 11:41:00	54.1	54.2	0.1	0.01	0.01	0.00	1.0	SSW
7/19/2023 11:42:00	54.0	54.3	0.3	0.01	0.00	-0.01	1.1	SSW
7/19/2023 11:43:00	52.6	54.4	1.8	0.00	0.00	0.00	1.1	SSW
7/19/2023 11:44:00	51.9	54.2	2.4	0.00	0.00	0.00	1.1	SSW
7/19/2023 11:45:00	52.1	54.3	2.2	0.00	0.00	0.00	1.1	SE
7/19/2023 11:46:00	52.2	54.3	2.1	0.00	0.00	0.00	1.2	ESE
7/19/2023 11:47:00	51.6	54.9	3.3	0.00	0.00	0.00	1.1	SSE
7/19/2023 11:48:00	51.8	55.2	3.4	0.00	0.00	0.00	1.1	ESE
7/19/2023 11:49:00	52.0	54.8	2.8	0.00	0.00	0.00	1.1	SE
7/19/2023 11:50:00	52.0	54.8	2.8	0.00	0.00	0.00	1.1	WNW
7/19/2023 11:51:00	52.0	54.5	2.5	0.00	0.00	0.00	1.0	SE
7/19/2023 11:52:00	52.0	53.9	1.9	0.00	0.00	0.00	1.0	SE
7/19/2023 11:53:00	52.0	53.6	1.5	0.00	0.00	0.00	1.0	ESE
7/19/2023 11:54:00	52.3	53.3	1.0	0.00	0.00	0.00	1.0	ENE
7/19/2023 11:55:00	52.5	53.0	0.5	0.00	0.00	0.00	1.0	E
7/19/2023 11:56:00	52.6	52.1	-0.5	0.00	0.00	0.00	1.0	NNW
7/19/2023 11:57:00	52.7	51.2	-1.5	0.00	0.00	0.00	1.0	NW
7/19/2023 11:58:00	53.0	51.0	-2.0	0.00	0.00	0.00	0.9	NW
7/19/2023 11:59:00	53.2	50.8	-2.4	0.00	0.00	0.00	0.9	NW
7/19/2023 12:00:00	52.1	50.8	-1.3	0.00	0.00	0.00	0.9	E
7/19/2023 12:01:00	51.3	50.6	-0.7	0.00	0.00	0.00	0.9	WNW

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
7/19/2023 12:02:00	51.1	50.2	-1.0	0.00	0.00	0.00	1.0	NW
7/19/2023 12:03:00	50.5	50.0	-0.5	0.00	0.00	0.00	1.0	ENE
7/19/2023 12:04:00	50.1	49.9	-0.3	0.00	0.00	0.00	1.0	NNW
7/19/2023 12:05:00	50.0	49.2	-0.7	0.00	0.00	0.00	1.1	WNW
7/19/2023 12:06:00	49.5	48.9	-0.6	0.00	0.00	0.00	1.3	WNW
7/19/2023 12:07:00	49.0	48.4	-0.6	0.00	0.00	0.00	1.3	WNW
7/19/2023 12:08:00	48.5	47.9	-0.7	0.00	0.00	0.00	1.4	WNW
7/19/2023 12:09:00	48.0	47.3	-0.7	0.00	0.00	0.00	1.4	WNW
7/19/2023 12:10:00	47.5	46.7	-0.8	0.00	0.00	0.00	1.4	WNW
7/19/2023 12:11:00	47.0	46.2	-0.8	0.00	0.00	0.00	1.5	W
7/19/2023 12:12:00	46.5	45.6	-0.9	0.00	0.00	0.00	1.5	WNW
7/19/2023 12:13:00	46.0	45.1	-0.9	0.00	0.00	0.00	1.6	WNW
7/19/2023 12:14:00	45.6	44.6	-1.0	0.00	0.00	0.00	1.6	WNW
7/19/2023 12:15:00	45.2	44.0	-1.2	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:16:00	44.7	43.4	-1.3	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:17:00	44.2	42.8	-1.4	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:18:00	43.8	42.2	-1.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:19:00	43.3	41.7	-1.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:20:00	42.9	41.3	-1.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:21:00	42.6	41.0	-1.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:22:00	42.3	40.7	-1.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:23:00	42.0	40.5	-1.6	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:24:00	41.7	40.1	-1.6	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:25:00	41.5	39.8	-1.6	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:26:00	41.2	39.5	-1.7	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:27:00	40.8	39.3	-1.5	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:28:00	40.9	39.7	-1.2	0.00	0.00	0.00	1.8	NW
7/19/2023 12:29:00	41.2	39.8	-1.3	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:30:00	41.1	39.9	-1.2	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:31:00	41.2	39.9	-1.3	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:32:00	41.2	39.9	-1.3	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:33:00	42.1	40.0	-2.1	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:34:00	43.4	40.1	-3.2	0.00	0.00	0.00	1.7	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
7/19/2023 12:35:00	44.5	40.4	-4.1	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:36:00	46.0	40.5	-5.5	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:37:00	47.2	40.8	-6.4	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:38:00	48.0	41.4	-6.5	0.00	0.00	0.00	1.8	NW
7/19/2023 12:39:00	48.9	42.3	-6.6	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:40:00	49.4	42.8	-6.6	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:41:00	50.3	43.9	-6.4	0.00	0.00	0.00	1.7	NW
7/19/2023 12:42:00	51.5	44.5	-6.9	0.00	0.00	0.00	1.7	WNW
7/19/2023 12:43:00	52.1	44.5	-7.6	0.00	0.00	0.00	1.8	NW
7/19/2023 12:44:00	53.2	45.7	-7.6	0.00	0.00	0.00	1.8	NW
7/19/2023 12:45:00	54.6	47.5	-7.2	0.00	0.00	0.00	1.8	NW
7/19/2023 12:46:00	56.2	47.8	-8.3	0.00	0.00	0.00	1.9	NW
7/19/2023 12:47:00	57.6	48.2	-9.3	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:48:00	57.9	49.5	-8.5	0.00	0.00	0.00	1.9	NW
7/19/2023 12:49:00	57.7	50.6	-7.1	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:50:00	57.5	51.9	-5.6	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:51:00	56.8	52.9	-4.0	0.00	0.00	0.00	1.9	WNW
7/19/2023 12:52:00	56.7	54.3	-2.4	0.00	0.00	0.00	1.9	NW
7/19/2023 12:53:00	56.4	55.8	-0.6	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:54:00	56.6	60.0	3.3	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:55:00	57.3	64.8	7.5	0.00	0.00	0.00	1.8	WNW
7/19/2023 12:56:00	57.4	67.3	9.9	0.00	0.00	0.00	1.7	SW
7/19/2023 12:57:00	57.2	68.1	10.8	0.00	0.00	0.00	1.7	NW
7/19/2023 12:58:00	57.2	68.7	11.5	0.00	0.00	0.00	1.6	W
7/19/2023 12:59:00	56.1	68.6	12.4	0.00	0.00	0.00	1.6	NW
7/19/2023 13:00:00	55.4	67.1	11.7	0.00	0.00	0.00	1.6	WNW
7/19/2023 13:01:00	54.6	67.1	12.6	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:02:00	54.1	67.5	13.3	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:03:00	54.0	66.9	12.9	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:04:00	54.1	66.9	12.8	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:05:00	54.6	66.9	12.2	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:06:00	54.9	66.7	11.8	0.00	0.00	0.00	1.4	WNW
7/19/2023 13:07:00	54.6	65.9	11.3	0.00	0.00	0.00	1.4	WSW

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
7/19/2023 13:08:00	54.6	64.4	9.8	0.00	0.00	0.00	1.5	NW
7/19/2023 13:09:00	53.8	60.2	6.4	0.00	0.01	0.01	1.5	WNW
7/19/2023 13:10:00	52.9	55.3	2.3	0.00	0.01	0.01	1.6	NW
7/19/2023 13:11:00	52.1	52.1	0.0	0.00	0.01	0.01	1.7	W
7/19/2023 13:12:00	51.3	51.1	-0.2	0.00	0.01	0.01	1.7	SSW
7/19/2023 13:13:00	50.4	50.6	0.2	0.00	0.01	0.01	1.7	NW
7/19/2023 13:14:00	50.1	50.0	0.0	0.00	0.01	0.01	1.6	NW
7/19/2023 13:15:00	50.4	50.3	0.0	0.00	0.01	0.01	1.6	WNW
7/19/2023 13:16:00	51.2	51.1	-0.2	0.00	0.01	0.01	1.7	WNW
7/19/2023 13:17:00	52.7	51.5	-1.3	0.00	0.01	0.01	1.6	WNW
7/19/2023 13:18:00	53.6	52.2	-1.5	0.00	0.01	0.01	1.6	NW
7/19/2023 13:19:00	53.7	51.6	-2.1	0.00	0.01	0.01	1.6	WNW
7/19/2023 13:20:00	53.4	51.1	-2.3	0.00	0.01	0.01	1.7	WNW
7/19/2023 13:21:00	53.1	51.5	-1.6	0.00	0.01	0.01	1.7	WNW
7/19/2023 13:22:00	53.0	51.9	-1.1	0.00	0.01	0.01	1.7	WNW
7/19/2023 13:23:00	53.5	52.6	-0.9	0.00	0.01	0.01	1.7	WNW
7/19/2023 13:24:00	53.9	52.6	-1.3	0.00	0.01	0.01	1.8	WNW
7/19/2023 13:25:00	54.0	52.4	-1.5	0.00	0.00	0.00	1.7	WNW
7/19/2023 13:26:00	54.2	51.9	-2.3	0.00	0.00	0.00	1.7	WNW
7/19/2023 13:27:00	54.4	51.5	-2.9	0.00	0.00	0.00	1.8	WNW
7/19/2023 13:28:00	54.7	52.4	-2.3	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:29:00	55.0	52.9	-2.1	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:30:00	54.5	52.4	-2.1	0.00	0.00	0.00	2.0	WNW
7/19/2023 13:31:00	53.0	51.2	-1.9	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:32:00	50.4	50.7	0.2	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:33:00	47.9	50.2	2.3	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:34:00	46.1	49.4	3.2	0.00	0.00	0.00	1.9	WNW
7/19/2023 13:35:00	44.4	47.9	3.4	0.00	0.00	0.00	1.8	N
7/19/2023 13:36:00	42.7	45.9	3.2	0.00	0.00	0.00	1.7	NNE
7/19/2023 13:37:00	41.1	44.1	3.0	0.00	0.00	0.00	1.7	ENE
7/19/2023 13:38:00	39.5	42.1	2.6	0.00	0.00	0.00	1.7	NNW
7/19/2023 13:39:00	37.9	40.9	3.0	0.00	0.00	0.00	1.6	NW
7/19/2023 13:40:00	36.9	40.8	3.9	0.00	0.00	0.00	1.6	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
7/19/2023 13:41:00	36.1	42.7	6.7	0.00	0.00	0.00	1.5	WNW
7/19/2023 13:42:00	36.8	42.6	5.8	0.00	0.00	0.00	1.4	N
7/19/2023 13:43:00	36.1	41.3	5.2	0.00	0.00	0.00	1.3	SW
7/19/2023 13:44:00	35.1	39.4	4.3	0.00	0.00	0.00	1.2	N
7/19/2023 13:45:00	33.7	38.7	5.0	0.00	0.00	0.00	1.1	NNW
7/19/2023 13:46:00	32.8	38.0	5.2	0.00	0.00	0.00	1.0	ESE
7/19/2023 13:47:00	31.9	36.7	4.8	0.00	0.00	0.00	1.0	NW
7/19/2023 13:48:00	31.7	34.8	3.1	0.00	0.00	0.00	0.9	SE
7/19/2023 13:49:00	31.3	34.0	2.6	0.00	0.00	0.00	0.9	SSE
7/19/2023 13:50:00	31.2	33.6	2.5	0.00	0.00	0.00	0.9	E
7/19/2023 13:51:00	31.1	33.9	2.9	0.00	0.00	0.00	0.9	S
7/19/2023 13:52:00	30.9	33.9	2.9	0.00	0.00	0.00	0.8	WSW
7/19/2023 13:53:00	30.6	33.9	3.3	0.00	0.00	0.00	0.8	W
7/19/2023 13:54:00	30.3	34.2	3.9	0.00	0.00	0.00	0.8	NW
7/19/2023 13:55:00	31.3	33.2	1.9	0.00	0.00	0.00	0.8	NNE
7/19/2023 13:56:00	31.7	30.8	-0.9	0.00	0.00	0.00	0.8	E
7/19/2023 13:57:00	30.7	30.2	-0.5	0.00	0.00	0.00	0.8	E
7/19/2023 13:58:00	30.4	29.8	-0.6	0.00	0.00	0.00	0.8	WNW
7/19/2023 13:59:00	30.2	30.2	0.0	0.00	0.00	0.00	0.8	SW
7/19/2023 14:00:00	30.6	30.1	-0.5	0.00	0.00	0.00	0.8	ENE
7/19/2023 14:01:00	30.5	30.1	-0.5	0.00	0.00	0.00	0.9	ENE
7/19/2023 14:02:00	30.6	29.8	-0.8	0.00	0.00	0.00	0.9	SE
7/19/2023 14:03:00	30.6	29.9	-0.7	0.00	0.00	0.00	0.9	NNE
7/19/2023 14:04:00	30.8	29.8	-1.0	0.00	0.00	0.00	1.0	ESE
7/19/2023 14:05:00	30.5	30.1	-0.4	0.00	0.00	0.00	1.1	SSE
7/19/2023 14:06:00	31.3	29.5	-1.8	0.00	0.00	0.00	1.1	E
7/19/2023 14:07:00	31.8	29.3	-2.5	0.00	0.00	0.00	1.1	E
7/19/2023 14:08:00	32.0	29.6	-2.4	0.00	0.00	0.00	1.1	NW
7/19/2023 14:09:00	32.2	29.3	-3.0	0.00	0.00	0.00	1.1	SW
7/19/2023 14:10:00	31.6	29.5	-2.1	0.00	0.00	0.00	1.1	NNE
7/19/2023 14:11:00	31.1	30.0	-1.1	0.00	0.00	0.00	1.2	SW
7/19/2023 14:12:00	30.6	30.8	0.2	0.00	0.00	0.00	1.2	WNW
7/19/2023 14:13:00	30.8	31.5	0.7	0.00	0.00	0.00	1.2	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
7/19/2023 14:14:00	31.8	31.9	0.1	0.00	0.00	0.00	1.2	ESE
7/19/2023 14:15:00	32.4	32.6	0.3	0.00	0.00	0.00	1.2	S
7/19/2023 14:16:00	33.0	33.8	0.8	0.00	0.00	0.00	1.2	W
7/19/2023 14:17:00	33.5	35.0	1.5	0.00	0.00	0.00	1.2	NW
7/19/2023 14:18:00	34.1	36.2	2.1	0.00	0.00	0.00	1.2	SW
7/19/2023 14:19:00	35.2	38.1	2.9	0.00	0.00	0.00	1.2	NW
7/19/2023 14:20:00	36.6	39.2	2.7	0.00	0.00	0.00	1.2	WNW
7/19/2023 14:21:00	37.4	40.5	3.1	0.00	0.00	0.00	1.2	W
7/19/2023 14:22:00	38.2	41.6	3.4	0.00	0.00	0.00	1.1	NW
7/19/2023 14:23:00	39.0	44.4	5.4	0.00	0.00	0.00	1.1	WNW
7/19/2023 14:24:00	39.8	46.0	6.2	0.00	0.00	0.00	1.1	NW
7/19/2023 14:25:00	40.3	47.0	6.6	0.00	0.00	0.00	1.0	NNW
7/19/2023 14:26:00	40.9	47.0	6.1	0.00	0.00	0.00	1.0	NNE
7/19/2023 14:27:00	41.3	47.0	5.6	0.00	0.00	0.00	1.0	E
7/19/2023 14:28:00	41.6	46.4	4.8	0.00	0.00	0.00	1.0	ENE
7/19/2023 14:29:00	41.2	46.5	5.3	0.00	0.00	0.00	1.0	NNW
7/19/2023 14:30:00	41.2	49.2	8.0	0.00	0.00	0.00	1.0	NNW
7/19/2023 14:31:00	43.7	48.8	5.2	0.00	0.00	0.00	1.0	NNE
7/19/2023 14:32:00	44.1	48.6	4.5	0.00	0.00	0.00	0.9	NNW
7/19/2023 14:33:00	44.0	48.6	4.6	0.00	0.00	0.00	0.9	NNE
7/19/2023 14:34:00	43.9	47.5	3.6	0.00	0.00	0.00	0.9	W
7/19/2023 14:35:00	43.7	47.8	4.1	0.00	0.00	0.00	0.9	NW
7/19/2023 14:36:00	43.9	48.1	4.2	0.00	0.00	0.00	0.9	NNW
7/19/2023 14:37:00	43.7	48.1	4.5	0.00	0.00	0.00	0.9	ESE
7/19/2023 14:38:00	44.4	46.0	1.6	0.00	0.00	0.00	1.0	ENE
7/19/2023 14:39:00	44.8	45.2	0.5	0.00	0.00	0.00	1.0	WNW
7/19/2023 14:40:00	45.2	48.2	3.0	0.00	0.00	0.00	1.0	NW
7/19/2023 14:41:00	46.5	48.5	2.1	0.00	0.00	0.00	1.0	NNW
7/19/2023 14:42:00	46.8	48.8	2.0	0.00	0.00	0.00	1.0	N
7/19/2023 14:43:00	47.3	49.2	1.9	0.00	0.00	0.00	1.0	NW
7/19/2023 14:44:00	48.2	49.4	1.2	0.00	0.00	0.00	1.0	NE
7/19/2023 14:45:00	48.6	47.2	-1.3	0.00	0.00	0.00	1.0	ENE
7/19/2023 14:46:00	46.6	47.7	1.1	0.00	0.00	0.00	1.0	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/19/2023 14:47:00	46.6	47.9	1.3	0.00	0.00	0.00	1.0	NNW
7/19/2023 14:48:00	46.7	47.6	0.9	0.00	0.00	0.00	1.0	WNW
7/19/2023 14:49:00	46.3	47.8	1.4	0.00	0.00	0.00	1.0	SSE
7/19/2023 14:50:00	45.9	47.0	1.1	0.00	0.00	0.00	1.0	NW
7/19/2023 14:51:00	45.1	46.2	1.2	0.00	0.00	0.00	1.0	ESE
7/19/2023 14:52:00	44.8	46.0	1.2	0.00	0.00	0.00	0.9	ENE
7/19/2023 14:53:00	44.1	46.0	1.9	0.00	0.00	0.00	0.9	ESE
7/19/2023 14:54:00	43.6	45.7	2.1	0.00	0.00	0.00	0.8	NE
7/19/2023 14:55:00	42.9	42.6	-0.2	0.00	0.00	0.00	0.8	E
7/19/2023 14:56:00	41.5	42.5	1.0	0.00	0.00	0.00	0.8	NW
7/19/2023 14:57:00	41.3	42.1	0.9	0.00	0.00	0.00	0.8	ENE
7/19/2023 14:58:00				0.00	0.00	0.00	0.8	ESE
7/19/2023 14:59:00				0.00	0.00	0.00	0.8	ESE
7/19/2023 15:00:00	35.6	35.3	-0.2	0.00	0.00	0.00	0.8	N
7/19/2023 15:01:00	35.0	35.1	0.1	0.00	0.00	0.00	0.9	ENE
7/19/2023 15:02:00	34.3	35.0	0.8	0.00	0.00	0.00	0.9	E
7/19/2023 15:03:00	33.6	34.8	1.2	0.00	0.00	0.00	1.0	E
7/19/2023 15:04:00	33.2	27.9	-5.3	0.00	0.00	0.00	1.0	NE
7/19/2023 15:05:00	32.9	23.2	-9.7	0.00	0.00	0.00	1.0	ENE
7/19/2023 15:06:00	32.5	24.2	-8.2	0.00	0.00	0.00	1.0	NW
7/19/2023 15:07:00	32.2	24.8	-7.4	0.00	0.00	0.00	1.0	ESE
7/19/2023 15:08:00	31.9	25.3	-6.7	0.00	0.00	0.00	1.0	NNE
7/19/2023 15:09:00	31.7	25.8	-5.9	0.00	0.00	0.00	1.0	SW
7/19/2023 15:10:00	31.5	26.4	-5.0	0.00	0.00	0.00	1.1	SSE
7/19/2023 15:11:00	31.2	26.7	-4.6	0.00	0.00	0.00	1.1	S
7/19/2023 15:12:00	31.0	26.8	-4.3	0.00	0.00	0.00	1.1	SE
7/19/2023 15:13:00	30.7	26.9	-3.9	0.00	0.00	0.00	1.1	WNW
7/19/2023 15:14:00	30.5	27.0	-3.5	0.00	0.00	0.00	1.1	S
7/19/2023 15:15:00	29.9	26.5	-3.4	0.00	0.00	0.00	1.1	WNW
7/19/2023 15:16:00	29.5	26.0	-3.5	0.00	0.00	0.00	1.1	ESE
7/19/2023 15:17:00	29.1	25.6	-3.6	0.00	0.00	0.00	1.0	W
7/19/2023 15:18:00	28.8	25.1	-3.6	0.00	0.00	0.00	1.0	W
7/19/2023 15:19:00	28.4	27.0	-1.4	0.00	0.00	0.00	1.0	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
7/19/2023 15:20:00	28.0	28.9	0.8	0.00	0.00	0.00	1.0	WNW
7/19/2023 15:21:00	27.8	28.7	0.9	0.00	0.00	0.00	1.0	WSW
7/19/2023 15:22:00	27.4	28.7	1.3	0.00	0.00	0.00	1.0	NW
7/19/2023 15:23:00	27.2	28.6	1.5	0.00	0.00	0.00	1.0	WSW
7/19/2023 15:24:00	27.2	28.4	1.2	0.00	0.00	0.00	1.0	N
7/19/2023 15:25:00	27.2	28.0	0.8	0.00	0.00	0.00	1.0	SE
7/19/2023 15:26:00	27.2	27.8	0.6	0.00	0.00	0.00	1.0	NE
7/19/2023 15:27:00	27.1	30.3	3.1	0.00	0.00	0.00	1.0	WNW
7/19/2023 15:28:00	28.6	35.0	6.4	0.00	0.00	0.00	1.0	WNW
7/19/2023 15:29:00	29.4	42.6	13.2	0.00	0.00	0.00	1.0	WNW
7/19/2023 15:30:00	30.1	46.4	16.2	0.00	0.00	0.00	1.0	WSW
7/19/2023 15:31:00	30.2	47.1	17.0	0.00	0.00	0.00	1.0	WNW
7/19/2023 15:32:00	30.6	47.2	16.6	0.00	0.00	0.00	1.0	N
7/19/2023 15:33:00	31.0	47.3	16.3	0.00	0.00	0.00	1.0	SE
7/19/2023 15:34:00	32.5	47.3	14.9	0.00	0.00	0.00	1.0	SE
7/19/2023 15:35:00	32.5	51.5	19.0	0.00	0.00	0.00	1.0	S
7/19/2023 15:36:00	34.3	51.5	17.1	0.00	0.00	0.00	0.9	NE
7/19/2023 15:37:00	35.3	51.6	16.3	0.00	0.00	0.00	0.9	N
7/19/2023 15:38:00	35.7	51.7	16.0	0.00	0.00	0.00	0.9	ESE
7/19/2023 15:39:00	35.5	68.2	32.7	0.00	0.00	0.00	0.9	SSW
7/19/2023 15:40:00	35.2	89.4	54.2	0.00	0.00	0.00	1.0	SW
7/19/2023 15:41:00	35.0	90.3	55.3	0.00	0.00	0.00	1.0	WSW
7/19/2023 15:42:00	34.9	88.3	53.4	0.00	0.00	0.00	1.0	S
7/19/2023 15:43:00	33.2	83.6	50.4	0.00	0.00	0.00	1.0	SSE
7/19/2023 15:44:00	32.3	76.0	43.8	0.00	0.00	0.00	1.0	WSW
7/19/2023 15:45:00	31.4	72.3	40.9	0.00	0.00	0.00	1.0	SW
7/19/2023 15:46:00	31.1	71.7	40.6	0.00	0.00	0.00	1.0	NW
7/19/2023 15:47:00	30.6	71.7	41.2	0.00	0.00	0.00	1.0	S
7/19/2023 15:48:00	30.0	71.6	41.6	0.00	0.00	0.00	1.0	SW
7/19/2023 15:49:00	28.5	71.7	43.2	0.00	0.00	0.00	1.0	SSE
7/19/2023 15:50:00	28.7	67.3	38.6	0.00	0.00	0.00	1.0	ESE
7/19/2023 15:51:00	26.8	67.5	40.6	0.00	0.00	0.00	1.0	SSW
7/19/2023 15:52:00	26.0	67.1	41.0	0.00	0.00	0.00	1.0	NNE

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
7/19/2023 15:53:00	25.9	66.8	40.9	0.00	0.00	0.00	1.0	SE