

**DAILY FIELD REPORT 013**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	June 22, 2023
------------------------	---------	--------------	---------------

<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 3:45 pm
----------------------	---	--------------	--------------------

<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	
<b>Tank Removal:</b> Brookside Environmental, Inc. (Brookside)	

**Work Activities Performed:**

- Urban graded an about 10-foot-long by 10-foot-wide area in the southern part of waste characterization grid WC02 and the western part of waste characterization grid WC03 and an about 20-foot-long by 4-foot-wide area in the eastern part of WC04 and the western part of WC05.
  - Urban installed five, about 38-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the western part of the site.
  - Brookside used a saw to cut open the top of the closed-in-place 3,000-gallon underground storage tank (UST) encased in concrete in the southern area of the site. Concrete was observed inside the UST.
  - Urban used an excavator to break up and remove the concrete inside the UST. After removal of the concrete from the UST, the UST was removed from the excavation, placed on, and covered with polyethylene sheeting adjacent to the excavation area.
  - Concrete debris removed from the UST was stockpiled adjacent to the excavation area, on top of polyethylene sheeting and sprayed with an odor suppressant (ATMOS Shield 645 Foam Concentrate) prior to being covered with polyethylene sheeting. The concrete exhibited impacts, including odors, staining, and a photoionization detector (PID) reading of 75.0 parts per million (ppm). This concrete will be disposed of off-site as regulated solid waste and not recycled.
  - Urban used an excavator to break up and remove the concrete encasing the UST in the southern part of the site. Concrete debris was stockpiled separately adjacent to the former UST area, pending off-site export for recycling. Impacts, including odors, staining, or elevated photoionization detector (PID) readings were not observed.
  - 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 program (CAMP), dust suppression, and procedures related to the removal of the UST and off-site disposal of soil/fill with Langan, Consigli, and Urban.
-

**Material Tracking:**

- No soil/fill was exported from the site.
- No material was imported to the site.

Materials Export Summary								
<b>Facility Name</b>	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
<b>Location</b>	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
<b>Type of Waste</b>	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&amp;D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	0	-	0	-	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	18	360	17	340	-	-	13	260

**Samples Collected:**

- No samples were collected.

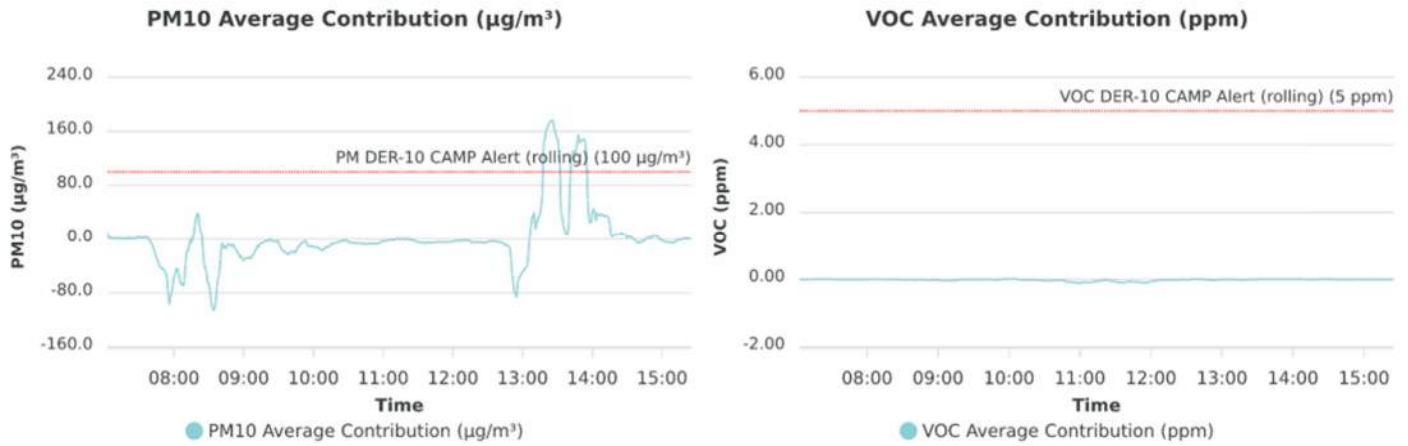
**Air Monitoring:**

The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No organic vapors exceeded the 15-minute average site contribution action level of 5 ppm, respectively, on this day. Particulates (PM10) exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> from 13:18 to 13:32. The exceedances were attributed to the use of a drilling rig near the downwind CAMP station. Water spraying was implemented for dust suppression and work was postponed and the exceedance subsided.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	7.3	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-105.8	VOC Average Site Contribution (Minimum)	-0.11
PM10 Average Site Contribution (Maximum)	176.4	VOC Average Site Contribution (Maximum)	0.01

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

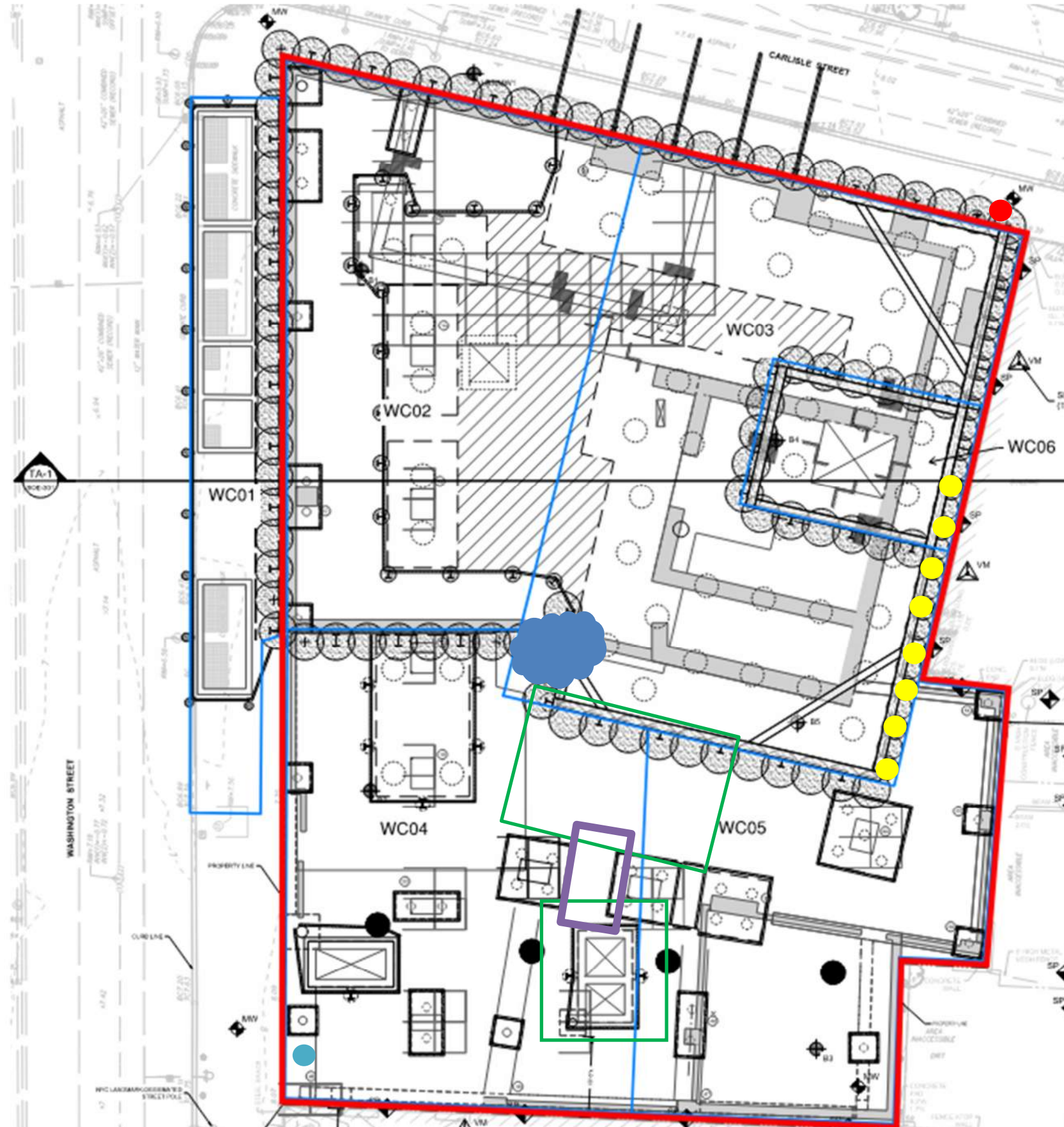
ppm: parts per million.



**Planned Activities:**

- Urban will continue installing soil-mix columns throughout the site.
- Urban will excavate in the vicinity of the 3,000-gallon UST and waste characterization grids WC04 and WC05.

**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**
- Approximate Location of the 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 concrete observed inside the 3,000-gallon closed-in-place UST (facing north).



**Photo 2:** Urban breaking up concrete within the UST (facing north).





**Photo 3:** Urban spraying an odor suppression (ATMOS Shield 645 Foam Concentrate) on concrete removed from the interior of the UST (facing southeast).



**Photo 4:** View concrete encasement below the UST (facing south).





**Photo 5:** View of CAMP Station 1 in the northern part of the site (next to door) (facing east).



**Photo 6:** View of CAMP Station 2 in the southwestern part of the site (facing southeast).



**Photo 7:** View of the entrance/exit of the site along Washington Street at the end of the work day (facing north).



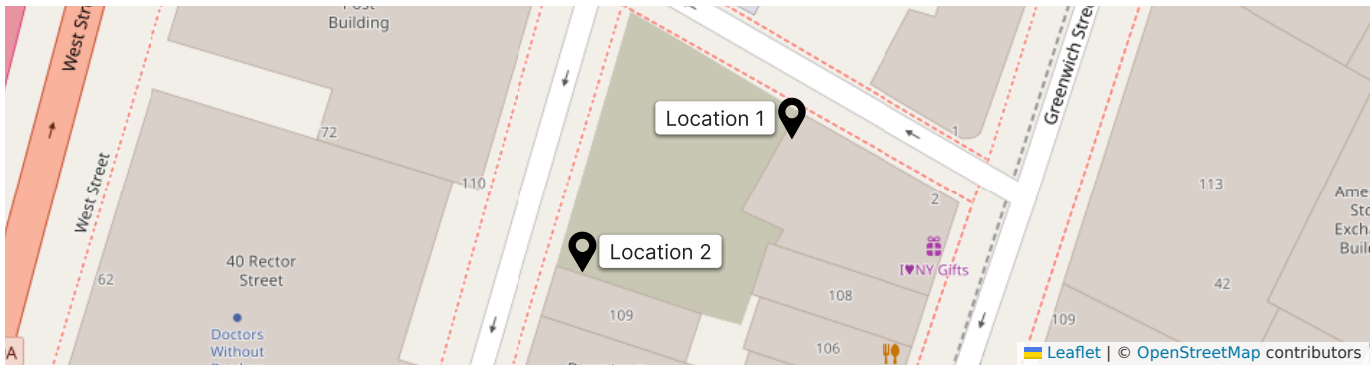
**Photo 8:** View of the entrance/exit of the site at the corner of Carlisle and Washington Street at the end of the work day (facing southeast).



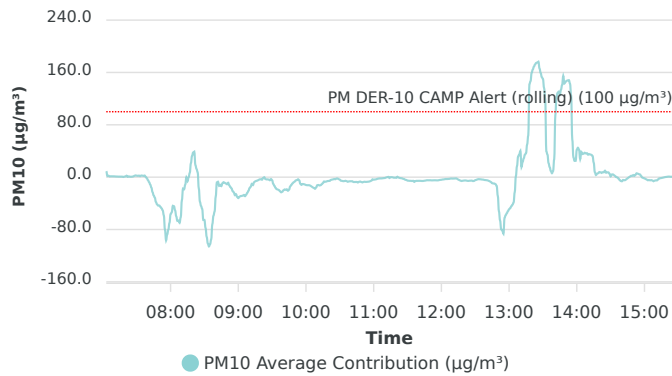


<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	6/22/2023 06:00
		<b>To:</b>	6/22/2023 18:00
		<b>PM10 Action Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5 ppm		

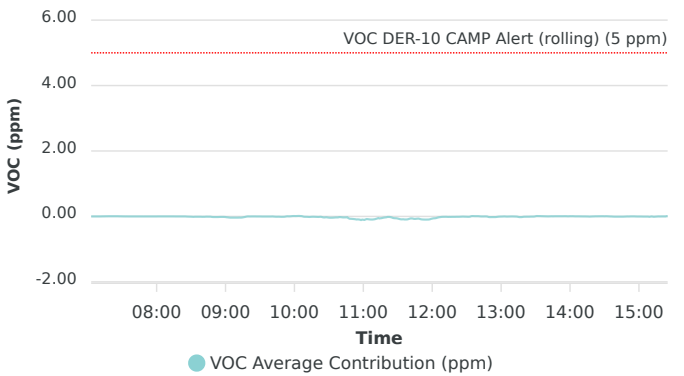
Daily Environmental Summary	Temp (°F)	Relative Humidity (%)	Barometer (inHg)	Windspeed (mph)	Prevailing wind direction
6/22/2023	-	-	-	0.6-5.6	E



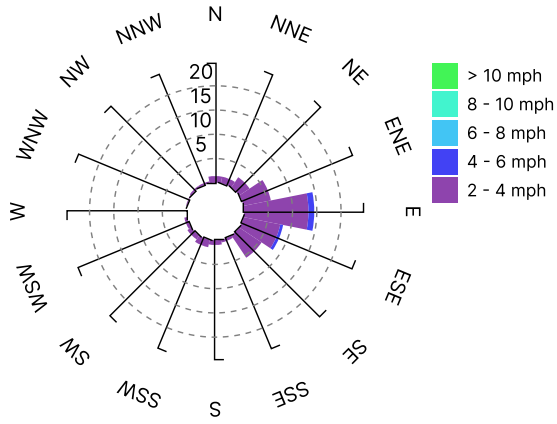
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**VOC Average Contribution (ppm)**



Contribution wind rose (mph)





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
6/22/2023 07:02:00							1.3	ESE
6/22/2023 07:03:00	7.3	16.4	9.1	0.00	0.00	0.00	1.4	SE
6/22/2023 07:04:00	9.2	10.9	1.7	0.00	0.00	0.00	1.3	WSW
6/22/2023 07:05:00	7.3	9.6	2.3	0.00	0.00	0.00	1.2	ESE
6/22/2023 07:06:00	7.2	8.3	1.1	0.00	0.00	0.00	1.2	SSE
6/22/2023 07:07:00	6.5	7.9	1.3	0.00	0.00	0.00	1.4	E
6/22/2023 07:08:00	6.0	7.3	1.3	0.00	0.00	0.00	1.5	ESE
6/22/2023 07:09:00	5.7	6.9	1.3	0.00	0.00	0.00	1.5	ENE
6/22/2023 07:10:00	5.5	6.7	1.3	0.00	0.00	0.00	1.5	ESE
6/22/2023 07:11:00	5.5	6.5	1.1	0.00	0.00	0.00	1.5	ENE
6/22/2023 07:12:00	5.3	6.3	1.0	0.00	0.00	0.00	1.5	ENE
6/22/2023 07:13:00	5.2	6.2	0.9	0.00	0.00	0.00	1.6	E
6/22/2023 07:14:00	5.2	6.0	0.8	0.00	0.00	0.00	1.6	ENE
6/22/2023 07:15:00	5.1	6.0	0.8	0.00	0.00	0.00	1.7	ESE
6/22/2023 07:16:00	5.1	5.9	0.7	0.00	0.00	0.00	1.6	ESE
6/22/2023 07:17:00	5.1	5.9	0.8	0.00	0.00	0.00	1.6	NE
6/22/2023 07:18:00	4.8	5.1	0.3	0.00	0.00	0.01	1.7	ENE
6/22/2023 07:19:00	4.3	5.0	0.8	0.00	0.00	0.01	1.8	ENE
6/22/2023 07:20:00	4.3	5.4	1.2	0.00	0.00	0.01	1.8	E
6/22/2023 07:21:00	4.1	6.3	2.2	0.00	0.00	0.01	1.9	SE
6/22/2023 07:22:00	5.8	6.3	0.5	0.00	0.00	0.01	1.8	SE
6/22/2023 07:23:00	5.9	7.1	1.2	0.00	0.00	0.01	1.7	WSW
6/22/2023 07:24:00	6.4	7.1	0.7	0.00	0.00	0.01	1.7	E
6/22/2023 07:25:00	6.5	7.1	0.6	0.00	0.00	0.01	1.8	ENE
6/22/2023 07:26:00	6.5	7.3	0.8	0.00	0.00	0.01	1.7	NE
6/22/2023 07:27:00	6.9	8.1	1.2	0.00	0.00	0.00	1.7	SE
6/22/2023 07:28:00	7.1	9.2	2.1	0.00	0.00	0.00	1.7	ESE
6/22/2023 07:29:00	7.2	9.9	2.6	0.00	0.00	0.00	1.7	SE
6/22/2023 07:30:00	8.1	10.3	2.3	0.00	0.00	0.00	1.8	SE
6/22/2023 07:31:00	8.6	10.6	2.0	0.00	0.00	0.00	1.8	SE
6/22/2023 07:32:00	8.6	11.0	2.4	0.00	0.00	0.00	1.8	SSE
6/22/2023 07:33:00	9.5	11.0	1.6	0.00	0.00	0.00	1.8	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
6/22/2023 07:34:00	9.7	12.3	2.5	0.00	0.00	0.00	1.7	S
6/22/2023 07:35:00	10.2	12.5	2.3	0.00	0.00	0.00	1.8	ESE
6/22/2023 07:36:00	11.1	13.0	1.9	0.00	0.00	0.00	1.8	SE
6/22/2023 07:37:00	11.9	14.3	2.5	0.00	0.00	0.00	1.9	ESE
6/22/2023 07:38:00	15.8	16.2	0.3	0.00	0.00	0.00	2.0	SE
6/22/2023 07:39:00	21.1	19.3	-1.7	0.00	0.00	0.00	2.1	SE
6/22/2023 07:40:00	26.5	21.7	-4.7	0.00	0.00	0.00	2.1	SE
6/22/2023 07:41:00	31.0	23.2	-7.8	0.00	0.00	0.00	2.2	SE
6/22/2023 07:42:00	37.6	26.1	-11.5	0.00	0.00	0.00	2.1	ESE
6/22/2023 07:43:00	45.0	29.0	-16.0	0.00	0.00	0.00	2.1	ESE
6/22/2023 07:44:00	53.7	30.8	-22.9	0.00	0.00	0.00	2.1	SE
6/22/2023 07:45:00	61.4	33.4	-28.0	0.00	0.00	0.00	2.1	ESE
6/22/2023 07:46:00	66.1	34.9	-31.2	0.00	0.00	0.00	2.1	E
6/22/2023 07:47:00	74.9	36.9	-38.0	0.00	0.00	0.00	2.2	SE
6/22/2023 07:48:00	81.8	40.2	-41.6	0.00	0.00	0.00	2.2	ESE
6/22/2023 07:49:00	88.0	44.5	-43.4	0.00	0.00	0.00	2.3	SE
6/22/2023 07:50:00	93.7	50.4	-43.4	0.00	0.00	0.00	2.3	SE
6/22/2023 07:51:00	98.9	53.4	-45.5	0.00	0.00	0.00	2.3	SE
6/22/2023 07:52:00	106.2	58.6	-47.6	0.00	0.00	0.00	2.4	SE
6/22/2023 07:53:00	110.9	60.2	-50.7	0.00	0.00	0.00	2.4	SE
6/22/2023 07:54:00	117.0	58.7	-58.4	0.00	0.00	0.00	2.4	SE
6/22/2023 07:55:00	140.1	59.9	-80.2	0.00	0.00	0.00	2.4	E
6/22/2023 07:56:00	162.6	65.9	-96.7	0.00	0.00	0.00	2.4	E
6/22/2023 07:57:00	167.8	80.1	-87.7	0.00	0.00	0.00	2.4	E
6/22/2023 07:58:00	165.0	84.8	-80.2	0.00	0.00	0.00	2.4	E
6/22/2023 07:59:00	158.6	88.6	-70.0	0.00	0.00	0.00	2.4	E
6/22/2023 08:00:00	153.1	96.7	-56.4	0.00	0.00	0.00	2.3	E
6/22/2023 08:01:00	152.4	98.5	-53.9	0.00	0.00	0.00	2.3	SSE
6/22/2023 08:02:00	145.0	101.2	-43.8	0.00	0.00	0.00	2.2	SSW
6/22/2023 08:03:00	142.8	98.4	-44.4	0.00	0.00	0.00	2.2	SE
6/22/2023 08:04:00	144.4	93.7	-50.7	0.00	0.00	0.00	2.1	ESE
6/22/2023 08:05:00	149.9	90.0	-59.8	0.00	0.00	0.00	2.1	SE
6/22/2023 08:06:00	154.8	88.0	-66.8	0.00	0.00	0.00	2.0	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
6/22/2023 08:07:00	151.3	85.0	-66.3	0.00	0.00	0.00	1.9	SE
6/22/2023 08:08:00	151.6	81.8	-69.8	0.00	0.00	0.00	1.8	E
6/22/2023 08:09:00	145.7	84.4	-61.3	0.00	0.00	0.00	1.8	NNE
6/22/2023 08:10:00	121.5	86.1	-35.4	0.00	0.00	0.00	1.8	SE
6/22/2023 08:11:00	99.4	81.8	-17.6	0.00	0.00	0.00	1.9	ENE
6/22/2023 08:12:00	87.7	69.2	-18.4	0.00	0.00	0.00	1.9	ENE
6/22/2023 08:13:00	83.7	72.3	-11.4	0.00	0.00	0.00	2.0	ENE
6/22/2023 08:14:00	83.2	83.0	-0.2	0.00	0.00	0.00	1.9	ESE
6/22/2023 08:15:00	83.9	77.6	-6.3	0.00	0.00	0.00	1.9	NE
6/22/2023 08:16:00	80.8	80.8	0.0	0.00	0.00	0.00	1.9	ENE
6/22/2023 08:17:00	79.6	86.2	6.6	0.00	0.00	0.00	1.9	NNE
6/22/2023 08:18:00	75.0	96.3	21.3	0.00	0.00	0.00	1.9	SSE
6/22/2023 08:19:00	68.9	101.3	32.5	0.00	0.00	0.00	1.8	N
6/22/2023 08:20:00	63.9	101.6	37.7	0.00	0.00	0.00	1.8	E
6/22/2023 08:21:00	63.3	102.1	38.9	0.00	0.00	0.00	1.8	ENE
6/22/2023 08:22:00	82.3	100.7	18.4	0.00	0.00	0.00	1.8	SSE
6/22/2023 08:23:00	87.7	100.2	12.5	0.00	0.00	0.00	1.9	E
6/22/2023 08:24:00	89.7	97.2	7.5	0.00	0.00	0.00	1.9	SSE
6/22/2023 08:25:00	109.8	92.6	-17.1	0.00	0.00	0.00	1.8	SE
6/22/2023 08:26:00	128.4	90.7	-37.7	0.00	0.00	0.00	1.7	E
6/22/2023 08:27:00	135.8	91.7	-44.1	0.01	0.00	-0.01	1.7	SE
6/22/2023 08:28:00	145.0	96.6	-48.4	0.01	0.00	-0.01	1.6	ESE
6/22/2023 08:29:00	153.1	87.6	-65.5	0.01	0.00	-0.01	1.6	NE
6/22/2023 08:30:00	153.8	88.4	-65.4	0.01	0.00	-0.01	1.7	ESE
6/22/2023 08:31:00	160.9	83.2	-77.7	0.01	0.00	-0.01	1.7	ESE
6/22/2023 08:32:00	164.9	73.6	-91.3	0.01	0.00	-0.01	1.7	NE
6/22/2023 08:33:00	165.2	63.8	-101.5	0.01	0.00	-0.01	1.8	NW
6/22/2023 08:34:00	163.8	58.0	-105.8	0.01	0.01	-0.01	1.9	NNW
6/22/2023 08:35:00	157.6	55.0	-102.5	0.01	0.01	-0.01	1.9	NE
6/22/2023 08:36:00	147.6	52.6	-95.0	0.01	0.01	-0.01	1.9	NW
6/22/2023 08:37:00	122.5	50.7	-71.8	0.01	0.01	-0.01	1.9	ESE
6/22/2023 08:38:00	109.1	50.2	-58.9	0.01	0.01	-0.01	2.0	ESE
6/22/2023 08:39:00	101.6	48.9	-52.7	0.02	0.01	-0.01	2.0	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
6/22/2023 08:40:00	77.8	48.1	-29.7	0.02	0.01	-0.01	2.1	E
6/22/2023 08:41:00	54.6	46.6	-8.0	0.02	0.01	-0.01	2.1	E
6/22/2023 08:42:00	47.4	40.3	-7.1	0.02	0.01	-0.01	2.2	ESE
6/22/2023 08:43:00	37.4	24.0	-13.4	0.01	0.01	-0.01	2.2	SSE
6/22/2023 08:44:00	27.8	16.1	-11.7	0.01	0.01	-0.01	2.2	ESE
6/22/2023 08:45:00	24.9	11.2	-13.6	0.01	0.01	-0.01	2.3	E
6/22/2023 08:46:00	19.0	9.8	-9.2	0.02	0.01	-0.01	2.3	ESE
6/22/2023 08:47:00	16.5	8.8	-7.7	0.02	0.01	-0.01	2.3	ESE
6/22/2023 08:48:00	16.7	8.0	-8.7	0.02	0.00	-0.01	2.3	E
6/22/2023 08:49:00	17.6	7.8	-9.8	0.02	0.00	-0.02	2.3	E
6/22/2023 08:50:00	18.5	7.7	-10.8	0.02	0.00	-0.02	2.2	ESE
6/22/2023 08:51:00	18.3	9.7	-8.6	0.02	0.00	-0.02	2.1	SSW
6/22/2023 08:52:00	21.8	9.3	-12.4	0.02	0.00	-0.02	2.2	ENE
6/22/2023 08:53:00	24.4	9.3	-15.2	0.02	0.00	-0.02	2.1	ESE
6/22/2023 08:54:00	26.3	9.1	-17.1	0.02	0.00	-0.02	2.2	E
6/22/2023 08:55:00	30.4	9.0	-21.3	0.02	0.00	-0.02	2.2	E
6/22/2023 08:56:00	32.1	9.0	-23.1	0.02	0.00	-0.01	2.2	SE
6/22/2023 08:57:00	36.2	8.8	-27.4	0.02	0.00	-0.01	2.2	SE
6/22/2023 08:58:00	36.1	9.9	-26.2	0.02	0.00	-0.01	2.2	SSW
6/22/2023 08:59:00	39.9	9.7	-30.2	0.02	0.00	-0.02	2.2	ESE
6/22/2023 09:00:00	39.8	7.9	-32.0	0.02	0.00	-0.02	2.2	ESE
6/22/2023 09:01:00	37.6	7.6	-30.0	0.03	0.00	-0.03	2.1	E
6/22/2023 09:02:00	36.4	7.4	-28.9	0.03	0.00	-0.03	2.2	ESE
6/22/2023 09:03:00	36.1	7.3	-28.8	0.04	0.00	-0.03	2.2	E
6/22/2023 09:04:00	35.3	7.1	-28.1	0.04	0.00	-0.04	2.2	NE
6/22/2023 09:05:00	34.1	6.9	-27.2	0.04	0.00	-0.04	2.2	E
6/22/2023 09:06:00	33.8	4.8	-29.1	0.04	0.00	-0.04	2.1	SSW
6/22/2023 09:07:00	31.4	4.6	-26.8	0.04	0.00	-0.04	2.1	SE
6/22/2023 09:08:00	28.5	4.6	-23.9	0.04	0.00	-0.04	2.0	SSE
6/22/2023 09:09:00	26.0	5.1	-20.9	0.04	0.00	-0.04	1.8	SSW
6/22/2023 09:10:00	21.8	5.1	-16.7	0.04	0.00	-0.04	1.8	ENE
6/22/2023 09:11:00	19.8	5.1	-14.7	0.04	0.00	-0.04	1.8	NNE
6/22/2023 09:12:00	15.4	5.1	-10.3	0.04	0.00	-0.04	1.8	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
6/22/2023 09:13:00	15.7	3.6	-12.1	0.04	0.00	-0.04	1.8	N
6/22/2023 09:14:00	11.5	3.7	-7.8	0.04	0.00	-0.04	1.7	NE
6/22/2023 09:15:00	10.3	3.8	-6.4	0.03	0.00	-0.03	1.7	N
6/22/2023 09:16:00	9.7	4.0	-5.7	0.02	0.00	-0.02	1.7	WNW
6/22/2023 09:17:00	9.3	4.1	-5.2	0.02	0.00	-0.02	1.8	NNE
6/22/2023 09:18:00	8.3	4.1	-4.2	0.01	0.00	-0.01	1.7	NNE
6/22/2023 09:19:00	7.6	4.3	-3.4	0.00	0.00	0.00	1.8	NNW
6/22/2023 09:20:00	7.5	4.3	-3.2	0.00	0.00	0.00	1.9	NE
6/22/2023 09:21:00	7.9	4.0	-3.9	0.00	0.00	0.00	2.1	ENE
6/22/2023 09:22:00	6.7	5.4	-1.4	0.00	0.00	0.00	2.1	N
6/22/2023 09:23:00	6.2	6.1	-0.2	0.00	0.00	0.00	2.1	ENE
6/22/2023 09:24:00	8.4	5.6	-2.9	0.00	0.00	0.00	2.1	NE
6/22/2023 09:25:00	9.2	5.7	-3.5	0.00	0.00	0.00	2.1	ENE
6/22/2023 09:26:00	9.2	5.8	-3.4	0.00	0.00	0.00	2.2	SE
6/22/2023 09:27:00	9.6	5.8	-3.8	0.00	0.00	0.00	2.2	ESE
6/22/2023 09:28:00	10.9	6.1	-4.8	0.00	0.00	0.00	2.2	SE
6/22/2023 09:29:00	11.4	8.5	-2.9	0.00	0.00	0.00	2.2	S
6/22/2023 09:30:00	13.7	8.9	-4.8	0.00	0.00	0.00	2.2	SE
6/22/2023 09:31:00	19.3	9.0	-10.3	0.00	0.00	0.00	2.3	E
6/22/2023 09:32:00	22.2	8.9	-13.3	0.00	0.00	0.00	2.4	E
6/22/2023 09:33:00	25.2	8.9	-16.3	0.00	0.00	0.00	2.4	E
6/22/2023 09:34:00	27.1	8.7	-18.4	0.00	0.00	0.00	2.4	ESE
6/22/2023 09:35:00	27.6	8.7	-18.9	0.00	0.00	0.00	2.3	SSE
6/22/2023 09:36:00	28.4	8.7	-19.8	0.00	0.00	0.00	2.3	E
6/22/2023 09:37:00	28.8	7.3	-21.6	0.00	0.00	0.00	2.3	ENE
6/22/2023 09:38:00	29.8	6.6	-23.1	0.00	0.00	0.00	2.3	ESE
6/22/2023 09:39:00	28.9	6.5	-22.3	0.00	0.00	0.00	2.5	ESE
6/22/2023 09:40:00	27.5	7.4	-20.1	0.00	0.00	0.00	2.6	SSW
6/22/2023 09:41:00	27.2	8.4	-18.8	0.00	0.00	0.00	2.5	SSE
6/22/2023 09:42:00	27.6	8.3	-19.3	0.01	0.00	0.00	2.5	E
6/22/2023 09:43:00	26.5	8.0	-18.6	0.01	0.00	-0.01	2.5	ENE
6/22/2023 09:44:00	26.2	5.4	-20.7	0.01	0.00	-0.01	2.5	NE
6/22/2023 09:45:00	24.0	4.9	-19.1	0.01	0.00	-0.01	2.6	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
6/22/2023 09:46:00	18.8	4.6	-14.2	0.01	0.00	-0.01	2.4	ENE
6/22/2023 09:47:00	16.5	4.5	-11.9	0.01	0.00	-0.01	2.4	E
6/22/2023 09:48:00	14.2	4.6	-9.6	0.01	0.00	-0.01	2.4	ESE
6/22/2023 09:49:00	12.6	4.6	-8.0	0.01	0.00	-0.01	2.3	ESE
6/22/2023 09:50:00	12.1	5.4	-6.7	0.01	0.00	-0.01	2.3	WSW
6/22/2023 09:51:00	11.0	6.1	-5.0	0.01	0.00	-0.01	2.3	W
6/22/2023 09:52:00	10.5	6.1	-4.5	0.01	0.01	-0.01	2.2	N
6/22/2023 09:53:00	9.7	6.4	-3.3	0.01	0.02	0.00	2.2	ENE
6/22/2023 09:54:00	12.5	7.7	-4.9	0.02	0.02	0.00	2.0	ENE
6/22/2023 09:55:00	17.4	7.2	-10.2	0.02	0.02	0.00	2.1	NNW
6/22/2023 09:56:00	18.2	6.5	-11.7	0.02	0.02	0.00	2.1	NW
6/22/2023 09:57:00	17.1	6.6	-10.5	0.01	0.02	0.01	2.0	NNE
6/22/2023 09:58:00	17.4	6.7	-10.7	0.01	0.02	0.01	2.2	ENE
6/22/2023 09:59:00	18.0	6.8	-11.2	0.01	0.02	0.01	2.3	E
6/22/2023 10:00:00	18.8	6.8	-12.0	0.01	0.02	0.01	2.3	ESE
6/22/2023 10:01:00	19.1	6.8	-12.3	0.01	0.02	0.01	2.3	E
6/22/2023 10:02:00	19.1	6.8	-12.3	0.01	0.02	0.01	2.2	E
6/22/2023 10:03:00	19.2	6.8	-12.4	0.01	0.02	0.01	2.3	E
6/22/2023 10:04:00	20.0	6.8	-13.2	0.01	0.02	0.01	2.4	ESE
6/22/2023 10:05:00	20.4	6.0	-14.4	0.01	0.02	0.01	2.5	E
6/22/2023 10:06:00	20.9	5.3	-15.6	0.01	0.02	0.01	2.6	SE
6/22/2023 10:07:00	21.9	5.3	-16.6	0.01	0.01	0.00	2.7	ESE
6/22/2023 10:08:00	22.6	4.9	-17.7	0.01	0.00	-0.01	2.8	ESE
6/22/2023 10:09:00	19.3	3.6	-15.7	0.01	0.00	-0.01	2.8	E
6/22/2023 10:10:00	15.4	3.0	-12.3	0.01	0.00	-0.01	2.8	N
6/22/2023 10:11:00	14.7	2.7	-12.0	0.01	0.00	-0.01	2.8	NE
6/22/2023 10:12:00	15.3	2.6	-12.7	0.01	0.00	-0.01	2.7	ESE
6/22/2023 10:13:00	14.8	2.5	-12.3	0.02	0.00	-0.02	2.6	SE
6/22/2023 10:14:00	13.8	3.1	-10.8	0.02	0.00	-0.01	2.5	S
6/22/2023 10:15:00	12.7	3.7	-9.1	0.02	0.01	-0.01	2.3	S
6/22/2023 10:16:00	12.0	5.4	-6.6	0.02	0.01	-0.01	2.3	SSE
6/22/2023 10:17:00	12.5	5.5	-7.0	0.02	0.01	-0.01	2.4	E
6/22/2023 10:18:00	12.3	5.5	-6.7	0.02	0.01	-0.01	2.4	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
6/22/2023 10:19:00	11.7	5.7	-6.0	0.02	0.01	-0.01	2.3	E
6/22/2023 10:20:00	11.7	5.9	-5.8	0.03	0.01	-0.01	2.2	SE
6/22/2023 10:21:00	11.8	6.1	-5.7	0.03	0.01	-0.02	2.1	SE
6/22/2023 10:22:00	10.7	6.5	-4.2	0.02	0.01	-0.01	2.0	SSE
6/22/2023 10:23:00	10.4	6.6	-3.8	0.02	0.01	-0.01	2.1	ESE
6/22/2023 10:24:00	10.1	6.7	-3.4	0.03	0.01	-0.02	2.2	E
6/22/2023 10:25:00	9.6	6.8	-2.8	0.04	0.01	-0.03	2.2	E
6/22/2023 10:26:00	10.0	6.8	-3.2	0.04	0.01	-0.03	2.3	ESE
6/22/2023 10:27:00	9.3	7.1	-2.1	0.04	0.01	-0.03	2.3	S
6/22/2023 10:28:00	9.3	7.2	-2.1	0.04	0.01	-0.03	2.3	ESE
6/22/2023 10:29:00	9.7	6.6	-3.0	0.04	0.01	-0.03	2.4	ESE
6/22/2023 10:30:00	9.9	6.1	-3.9	0.04	0.01	-0.04	2.3	E
6/22/2023 10:31:00	10.7	5.3	-5.5	0.05	0.01	-0.04	2.3	SE
6/22/2023 10:32:00	11.9	6.2	-5.7	0.05	0.01	-0.04	2.2	ENE
6/22/2023 10:33:00	12.5	6.3	-6.2	0.05	0.01	-0.04	2.1	NNW
6/22/2023 10:34:00	12.3	6.3	-6.0	0.04	0.01	-0.04	2.1	N
6/22/2023 10:35:00	11.9	6.4	-5.6	0.04	0.01	-0.03	2.1	ENE
6/22/2023 10:36:00	12.6	6.5	-6.1	0.04	0.01	-0.03	2.1	E
6/22/2023 10:37:00	13.3	6.2	-7.1	0.04	0.01	-0.03	2.0	ESE
6/22/2023 10:38:00	13.1	6.6	-6.5	0.04	0.01	-0.03	1.9	ESE
6/22/2023 10:39:00	13.1	6.8	-6.3	0.03	0.01	-0.02	2.0	ESE
6/22/2023 10:40:00	13.1	6.8	-6.3	0.03	0.01	-0.02	2.1	E
6/22/2023 10:41:00	13.1	6.8	-6.3	0.03	0.01	-0.03	2.1	E
6/22/2023 10:42:00	13.9	6.5	-7.4	0.04	0.01	-0.03	2.1	ENE
6/22/2023 10:43:00	13.9	6.5	-7.4	0.04	0.01	-0.03	2.1	ENE
6/22/2023 10:44:00	13.8	6.5	-7.4	0.04	0.01	-0.03	2.2	NNW
6/22/2023 10:45:00	13.8	6.4	-7.3	0.04	0.01	-0.03	2.2	ENE
6/22/2023 10:46:00	13.7	5.6	-8.2	0.03	0.01	-0.03	2.2	ENE
6/22/2023 10:47:00	11.7	4.5	-7.1	0.06	0.00	-0.05	2.3	ENE
6/22/2023 10:48:00	11.1	4.4	-6.7	0.07	0.00	-0.07	2.3	ESE
6/22/2023 10:49:00	11.7	4.3	-7.4	0.08	0.00	-0.07	2.2	E
6/22/2023 10:50:00	12.1	4.0	-8.0	0.08	0.00	-0.07	2.3	ENE
6/22/2023 10:51:00	11.1	3.8	-7.3	0.08	0.00	-0.08	2.3	ENE

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
6/22/2023 10:52:00	10.7	3.7	-7.0	0.08	0.00	-0.08	2.4	E
6/22/2023 10:53:00	10.6	3.3	-7.3	0.09	0.00	-0.09	2.4	E
6/22/2023 10:54:00	10.2	3.0	-7.2	0.10	0.00	-0.09	2.2	NE
6/22/2023 10:55:00	10.0	3.0	-7.0	0.09	0.00	-0.09	2.2	N
6/22/2023 10:56:00	9.8	3.1	-6.7	0.09	0.00	-0.09	2.2	ESE
6/22/2023 10:57:00	9.4	3.3	-6.1	0.10	0.00	-0.10	2.3	ESE
6/22/2023 10:58:00	8.9	3.5	-5.3	0.11	0.00	-0.11	2.4	ESE
6/22/2023 10:59:00	8.4	5.1	-3.3	0.11	0.01	-0.10	2.4	SSE
6/22/2023 11:00:00	8.9	4.9	-4.0	0.12	0.01	-0.10	2.5	E
6/22/2023 11:01:00	8.6	5.0	-3.6	0.12	0.01	-0.11	2.5	E
6/22/2023 11:02:00	8.8	5.4	-3.4	0.10	0.01	-0.09	2.4	E
6/22/2023 11:03:00	8.8	6.1	-2.7	0.10	0.01	-0.08	2.4	ESE
6/22/2023 11:04:00	8.4	6.1	-2.3	0.10	0.01	-0.09	2.5	ESE
6/22/2023 11:05:00	8.1	6.1	-2.0	0.10	0.01	-0.09	2.4	ESE
6/22/2023 11:06:00	8.2	6.2	-1.9	0.11	0.01	-0.09	2.5	E
6/22/2023 11:07:00	8.2	6.3	-1.9	0.11	0.01	-0.10	2.5	E
6/22/2023 11:08:00	8.3	6.6	-1.7	0.11	0.01	-0.10	2.5	ENE
6/22/2023 11:09:00	8.9	7.4	-1.4	0.11	0.01	-0.09	2.5	SE
6/22/2023 11:10:00	9.1	7.8	-1.3	0.10	0.01	-0.09	2.5	N
6/22/2023 11:11:00	9.1	8.6	-0.5	0.09	0.02	-0.07	2.4	E
6/22/2023 11:12:00	8.8	8.8	-0.1	0.08	0.02	-0.07	2.3	N
6/22/2023 11:13:00	9.2	9.6	0.4	0.07	0.02	-0.05	2.4	E
6/22/2023 11:14:00	9.9	8.6	-1.3	0.07	0.01	-0.06	2.4	ENE
6/22/2023 11:15:00	9.6	9.5	-0.1	0.06	0.01	-0.06	2.3	SE
6/22/2023 11:16:00	9.7	9.7	0.0	0.06	0.01	-0.05	2.2	E
6/22/2023 11:17:00	9.7	9.3	-0.3	0.05	0.00	-0.04	2.2	ESE
6/22/2023 11:18:00	9.6	8.7	-0.9	0.04	0.00	-0.04	2.2	ESE
6/22/2023 11:19:00	9.4	8.7	-0.7	0.03	0.00	-0.03	2.2	E
6/22/2023 11:20:00	10.0	8.9	-1.1	0.03	0.00	-0.03	2.2	E
6/22/2023 11:21:00	9.9	10.5	0.6	0.02	0.01	-0.02	2.0	SW
6/22/2023 11:22:00	11.3	10.7	-0.6	0.02	0.01	-0.02	2.0	E
6/22/2023 11:23:00	11.8	10.6	-1.2	0.02	0.01	-0.02	2.1	E
6/22/2023 11:24:00	11.4	9.9	-1.5	0.03	0.01	-0.02	2.1	ENE



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
6/22/2023 11:25:00	11.3	9.6	-1.8	0.04	0.01	-0.04	2.0	E
6/22/2023 11:26:00	11.3	8.8	-2.5	0.05	0.01	-0.05	2.1	E
6/22/2023 11:27:00	11.3	8.4	-2.9	0.06	0.00	-0.05	2.0	E
6/22/2023 11:28:00	11.4	7.4	-4.0	0.06	0.00	-0.06	2.0	E
6/22/2023 11:29:00	11.4	7.0	-4.3	0.06	0.00	-0.06	1.9	ESE
6/22/2023 11:30:00	11.9	6.6	-5.3	0.07	0.00	-0.07	2.0	E
6/22/2023 11:31:00	11.9	6.5	-5.4	0.08	0.00	-0.07	2.0	E
6/22/2023 11:32:00	12.2	6.6	-5.7	0.09	0.00	-0.08	2.0	ESE
6/22/2023 11:33:00	12.3	6.7	-5.6	0.09	0.00	-0.09	2.0	ESE
6/22/2023 11:34:00	12.5	6.6	-5.9	0.09	0.00	-0.09	2.2	ESE
6/22/2023 11:35:00	12.1	6.5	-5.6	0.09	0.00	-0.09	2.2	E
6/22/2023 11:36:00	12.1	4.9	-7.2	0.09	0.00	-0.09	2.3	E
6/22/2023 11:37:00	10.5	4.6	-6.0	0.09	0.00	-0.09	2.6	E
6/22/2023 11:38:00	10.0	4.4	-5.6	0.09	0.00	-0.09	2.6	ESE
6/22/2023 11:39:00	10.0	4.3	-5.7	0.08	0.00	-0.09	2.6	E
6/22/2023 11:40:00	9.8	4.2	-5.6	0.07	0.00	-0.07	2.6	E
6/22/2023 11:41:00	9.8	4.2	-5.6	0.06	0.00	-0.06	2.6	E
6/22/2023 11:42:00	9.8	4.1	-5.8	0.06	0.00	-0.06	2.8	E
6/22/2023 11:43:00	9.9	4.0	-5.9	0.07	0.00	-0.07	2.9	E
6/22/2023 11:44:00	9.6	3.8	-5.8	0.07	0.00	-0.07	2.9	ENE
6/22/2023 11:45:00	9.1	3.6	-5.5	0.08	0.00	-0.08	2.9	ESE
6/22/2023 11:46:00	8.7	3.5	-5.2	0.07	0.00	-0.07	3.1	SE
6/22/2023 11:47:00	8.2	3.4	-4.8	0.07	0.00	-0.07	3.1	E
6/22/2023 11:48:00	8.1	3.3	-4.7	0.07	0.00	-0.07	3.2	E
6/22/2023 11:49:00	8.2	3.3	-4.8	0.08	0.00	-0.07	3.1	E
6/22/2023 11:50:00	8.0	3.3	-4.7	0.09	0.00	-0.09	3.1	ENE
6/22/2023 11:51:00	8.2	3.3	-4.9	0.09	0.00	-0.09	3.1	ESE
6/22/2023 11:52:00	8.3	3.3	-5.0	0.09	0.00	-0.10	3.0	SE
6/22/2023 11:53:00	8.2	3.3	-4.8	0.10	0.00	-0.10	3.2	ESE
6/22/2023 11:54:00	8.1	3.3	-4.8	0.10	0.00	-0.10	3.3	NE
6/22/2023 11:55:00	8.1	3.3	-4.8	0.10	0.00	-0.10	3.3	E
6/22/2023 11:56:00	8.3	3.3	-4.9	0.10	0.00	-0.10	3.3	E
6/22/2023 11:57:00	8.3	3.3	-4.9	0.09	0.00	-0.10	3.3	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
6/22/2023 11:58:00	8.1	3.6	-4.5	0.09	0.00	-0.09	3.2	WSW
6/22/2023 11:59:00	8.0	3.8	-4.2	0.08	0.00	-0.07	3.2	S
6/22/2023 12:00:00	7.9	3.8	-4.0	0.07	0.00	-0.07	3.4	ESE
6/22/2023 12:01:00	7.7	4.1	-3.6	0.07	0.01	-0.06	3.2	S
6/22/2023 12:02:00	7.8	4.3	-3.5	0.07	0.01	-0.06	3.1	ENE
6/22/2023 12:03:00	7.5	4.4	-3.1	0.06	0.01	-0.05	3.0	E
6/22/2023 12:04:00	7.3	4.5	-2.8	0.05	0.01	-0.04	3.0	E
6/22/2023 12:05:00	7.4	4.5	-2.9	0.04	0.01	-0.03	3.0	E
6/22/2023 12:06:00	7.2	4.5	-2.7	0.03	0.01	-0.03	3.0	ENE
6/22/2023 12:07:00	7.2	4.5	-2.7	0.03	0.01	-0.02	2.9	E
6/22/2023 12:08:00	7.0	4.8	-2.2	0.02	0.01	-0.01	2.6	SSE
6/22/2023 12:09:00	6.9	4.8	-2.1	0.02	0.01	-0.01	2.5	ESE
6/22/2023 12:10:00	7.2	4.9	-2.2	0.02	0.01	-0.01	2.4	E
6/22/2023 12:11:00	7.2	5.1	-2.1	0.02	0.01	-0.01	2.3	ENE
6/22/2023 12:12:00	7.3	5.2	-2.1	0.02	0.01	-0.01	2.1	SE
6/22/2023 12:13:00	7.4	5.5	-1.9	0.02	0.01	-0.01	2.0	SW
6/22/2023 12:14:00	8.1	5.5	-2.6	0.02	0.00	-0.01	1.9	E
6/22/2023 12:15:00	9.5	5.7	-3.8	0.02	0.00	-0.01	1.8	E
6/22/2023 12:16:00	10.3	5.8	-4.5	0.02	0.00	-0.01	1.8	E
6/22/2023 12:17:00	11.1	5.7	-5.4	0.01	0.00	-0.01	1.8	NE
6/22/2023 12:18:00	11.7	5.9	-5.8	0.01	0.00	-0.01	1.9	ENE
6/22/2023 12:19:00	11.9	6.4	-5.4	0.01	0.00	-0.01	1.9	NE
6/22/2023 12:20:00	12.1	6.9	-5.2	0.01	0.00	-0.01	1.9	ENE
6/22/2023 12:21:00	12.3	7.2	-5.0	0.01	0.00	-0.01	1.9	NNW
6/22/2023 12:22:00	12.8	7.7	-5.2	0.01	0.00	-0.01	2.0	N
6/22/2023 12:23:00	13.3	7.7	-5.6	0.01	0.00	-0.01	2.1	ENE
6/22/2023 12:24:00	13.7	7.9	-5.7	0.01	0.00	-0.01	2.1	NE
6/22/2023 12:25:00	13.5	8.0	-5.5	0.01	0.00	-0.01	2.2	NE
6/22/2023 12:26:00	13.4	8.0	-5.4	0.01	0.00	-0.01	2.3	NNE
6/22/2023 12:27:00	13.2	8.0	-5.3	0.01	0.00	-0.01	2.4	E
6/22/2023 12:28:00	13.4	7.4	-6.0	0.01	0.00	-0.01	2.5	E
6/22/2023 12:29:00	13.0	7.3	-5.7	0.01	0.00	-0.01	2.6	E
6/22/2023 12:30:00	11.6	7.0	-4.6	0.01	0.00	-0.01	2.7	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
6/22/2023 12:31:00	10.9	6.8	-4.1	0.01	0.00	-0.01	2.8	E
6/22/2023 12:32:00	10.1	6.7	-3.4	0.01	0.00	-0.01	2.8	ESE
6/22/2023 12:33:00	9.5	6.5	-3.0	0.01	0.00	-0.01	2.8	E
6/22/2023 12:34:00	9.2	6.0	-3.2	0.01	0.02	0.01	2.8	ESE
6/22/2023 12:35:00	9.1	5.8	-3.3	0.01	0.02	0.01	2.8	E
6/22/2023 12:36:00	9.2	5.6	-3.7	0.01	0.02	0.01	2.9	E
6/22/2023 12:37:00	9.0	5.2	-3.7	0.01	0.02	0.01	2.7	E
6/22/2023 12:38:00	9.4	5.1	-4.3	0.01	0.02	0.01	2.7	ENE
6/22/2023 12:39:00	9.4	5.0	-4.5	0.01	0.02	0.01	2.7	E
6/22/2023 12:40:00	9.5	4.9	-4.7	0.01	0.02	0.01	2.7	E
6/22/2023 12:41:00	9.8	4.8	-5.0	0.02	0.02	0.00	2.7	E
6/22/2023 12:42:00	10.5	4.8	-5.7	0.02	0.02	0.00	2.6	E
6/22/2023 12:43:00	11.4	4.9	-6.5	0.02	0.02	0.00	2.6	E
6/22/2023 12:44:00	12.6	5.0	-7.6	0.02	0.02	0.00	2.6	E
6/22/2023 12:45:00	14.3	5.1	-9.2	0.02	0.02	0.00	2.5	ESE
6/22/2023 12:46:00	14.7	5.1	-9.7	0.02	0.02	0.00	2.5	E
6/22/2023 12:47:00	14.8	5.0	-9.8	0.02	0.02	0.00	2.6	E
6/22/2023 12:48:00	15.8	5.0	-10.8	0.02	0.02	0.00	2.5	E
6/22/2023 12:49:00	18.2	4.9	-13.3	0.02	0.00	-0.02	2.5	SE
6/22/2023 12:50:00	33.2	4.6	-28.6	0.02	0.00	-0.02	2.5	E
6/22/2023 12:51:00	56.8	4.6	-52.2	0.02	0.00	-0.02	2.5	ESE
6/22/2023 12:52:00	70.8	4.6	-66.2	0.02	0.00	-0.02	2.5	E
6/22/2023 12:53:00	84.3	4.6	-79.7	0.02	0.00	-0.02	2.5	E
6/22/2023 12:54:00	86.2	4.5	-81.7	0.02	0.00	-0.02	2.5	NE
6/22/2023 12:55:00	91.1	4.6	-86.5	0.02	0.00	-0.02	2.5	ENE
6/22/2023 12:56:00	90.7	28.6	-62.1	0.02	0.00	-0.02	2.4	W
6/22/2023 12:57:00	89.9	31.9	-58.0	0.01	0.00	-0.01	2.4	SSW
6/22/2023 12:58:00	88.7	33.6	-55.1	0.01	0.00	-0.01	2.4	WSW
6/22/2023 12:59:00	87.1	35.2	-51.9	0.01	0.00	-0.01	2.3	SSW
6/22/2023 13:00:00	85.3	36.3	-49.1	0.01	0.00	0.00	2.3	SSW
6/22/2023 13:01:00	84.9	37.5	-47.3	0.01	0.00	0.00	2.3	S
6/22/2023 13:02:00	84.8	40.3	-44.5	0.01	0.01	0.00	2.2	SSW
6/22/2023 13:03:00	83.9	41.7	-42.1	0.01	0.01	0.00	2.2	SW

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
6/22/2023 13:04:00	81.3	42.5	-38.9	0.01	0.01	0.00	2.1	WNW
6/22/2023 13:05:00	66.1	43.1	-23.0	0.01	0.01	-0.01	2.0	WNW
6/22/2023 13:06:00	42.7	44.1	1.4	0.01	0.01	0.00	1.9	W
6/22/2023 13:07:00	28.4	45.3	16.9	0.01	0.01	0.00	2.0	S
6/22/2023 13:08:00	14.2	45.9	31.7	0.01	0.01	0.00	2.0	SW
6/22/2023 13:09:00	11.9	46.5	34.7	0.01	0.01	0.00	1.9	W
6/22/2023 13:10:00	7.1	47.2	40.0	0.01	0.01	0.00	1.9	SSW
6/22/2023 13:11:00	8.5	24.0	15.4	0.01	0.01	0.00	1.9	SSW
6/22/2023 13:12:00	9.5	32.7	23.2	0.01	0.01	0.00	1.8	SSW
6/22/2023 13:13:00	9.7	38.5	28.8	0.01	0.01	0.00	1.8	SSW
6/22/2023 13:14:00	10.2	44.6	34.3	0.01	0.01	-0.01	1.8	SW
6/22/2023 13:15:00	10.4	47.0	36.5	0.02	0.00	-0.01	1.9	SSW
6/22/2023 13:16:00	10.4	60.4	50.0	0.02	0.00	-0.02	1.8	SSW
6/22/2023 13:17:00	10.2	74.0	63.8	0.02	0.00	-0.02	1.8	SSW
6/22/2023 13:18:00	10.1	152.1	142.0	0.02	0.00	-0.02	1.8	SW
6/22/2023 13:19:00	10.6	157.2	146.5	0.02	0.00	-0.01	1.8	SW
6/22/2023 13:20:00	10.6	170.0	159.4	0.01	0.01	-0.01	1.8	SSW
6/22/2023 13:21:00	10.1	174.6	164.5	0.01	0.01	-0.01	1.8	SSW
6/22/2023 13:22:00	10.4	179.3	168.9	0.01	0.01	-0.01	1.8	S
6/22/2023 13:23:00	11.1	183.3	172.2	0.01	0.01	-0.01	1.7	SSW
6/22/2023 13:24:00	11.3	185.8	174.5	0.01	0.01	-0.01	1.8	WSW
6/22/2023 13:25:00	11.3	186.7	175.4	0.01	0.01	-0.01	1.7	SW
6/22/2023 13:26:00	10.7	187.1	176.4	0.01	0.01	-0.01	1.7	SW
6/22/2023 13:27:00	9.9	175.7	165.9	0.01	0.01	-0.01	1.8	SSW
6/22/2023 13:28:00	10.0	169.2	159.2	0.01	0.01	-0.01	1.7	SSW
6/22/2023 13:29:00	9.8	162.6	152.8	0.01	0.01	0.00	1.7	W
6/22/2023 13:30:00	9.7	159.9	150.2	0.01	0.01	0.01	1.6	SSW
6/22/2023 13:31:00	9.7	146.0	136.3	0.00	0.01	0.01	1.6	SSW
6/22/2023 13:32:00	10.5	129.8	119.3	0.00	0.01	0.01	1.6	SE
6/22/2023 13:33:00	11.1	50.5	39.4	0.00	0.01	0.01	1.6	NE
6/22/2023 13:34:00	11.2	45.8	34.6	0.00	0.01	0.01	1.6	NE
6/22/2023 13:35:00	11.8	33.1	21.3	0.00	0.01	0.01	1.6	WSW
6/22/2023 13:36:00	12.5	27.6	15.2	0.00	0.01	0.01	1.6	NE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
6/22/2023 13:37:00	13.2	22.5	9.3	0.00	0.01	0.01	1.6	NNE
6/22/2023 13:38:00	13.2	19.2	6.0	0.00	0.00	0.00	1.5	SSE
6/22/2023 13:39:00	13.1	22.4	9.3	0.00	0.00	0.00	1.6	SW
6/22/2023 13:40:00	12.9	40.6	27.7	0.00	0.00	0.00	1.5	WSW
6/22/2023 13:41:00	12.2	106.9	94.7	0.00	0.00	0.00	1.5	NW
6/22/2023 13:42:00	12.0	134.7	122.7	0.00	0.00	0.00	1.4	NW
6/22/2023 13:43:00	11.9	140.7	128.8	0.00	0.00	0.00	1.4	WNW
6/22/2023 13:44:00	11.8	142.5	130.7	0.00	0.01	0.01	1.5	SW
6/22/2023 13:45:00	15.6	141.8	126.2	0.00	0.01	0.00	1.5	NNE
6/22/2023 13:46:00	16.0	149.8	133.7	0.00	0.01	0.00	1.4	WSW
6/22/2023 13:47:00	15.7	156.7	141.0	0.00	0.01	0.01	1.5	WSW
6/22/2023 13:48:00	15.0	169.7	154.7	0.00	0.01	0.01	1.5	WSW
6/22/2023 13:49:00	25.6	168.7	143.1	0.00	0.01	0.01	1.5	N
6/22/2023 13:50:00	24.9	170.5	145.6	0.00	0.01	0.01	1.5	NW
6/22/2023 13:51:00	24.4	171.6	147.2	0.00	0.01	0.01	1.4	SW
6/22/2023 13:52:00	23.8	171.6	147.9	0.00	0.01	0.01	1.4	SW
6/22/2023 13:53:00	22.9	171.1	148.2	0.00	0.01	0.01	1.4	WNW
6/22/2023 13:54:00	22.6	165.5	142.9	0.00	0.01	0.01	1.3	SW
6/22/2023 13:55:00	22.3	146.6	124.3	0.00	0.01	0.01	1.3	SW
6/22/2023 13:56:00	22.2	79.9	57.7	0.00	0.01	0.01	1.4	SSW
6/22/2023 13:57:00	22.1	52.5	30.4	0.00	0.01	0.01	1.5	SSW
6/22/2023 13:58:00	22.1	46.9	24.9	0.00	0.00	0.00	1.5	SSW
6/22/2023 13:59:00	22.7	47.6	24.9	0.00	0.00	0.00	1.5	WSW
6/22/2023 14:00:00	19.8	61.7	42.0	0.00	0.01	0.01	1.5	SW
6/22/2023 14:01:00	19.4	64.3	44.9	0.00	0.01	0.01	1.5	SW
6/22/2023 14:02:00	18.9	60.9	42.0	0.00	0.01	0.01	1.5	W
6/22/2023 14:03:00	20.3	47.8	27.5	0.00	0.01	0.01	1.5	NNE
6/22/2023 14:04:00	10.1	48.8	38.6	0.00	0.01	0.00	1.5	SSE
6/22/2023 14:05:00	11.4	46.7	35.3	0.00	0.01	0.00	1.6	NE
6/22/2023 14:06:00	12.3	48.1	35.8	0.00	0.01	0.00	1.7	NE
6/22/2023 14:07:00	12.5	49.7	37.3	0.00	0.01	0.00	1.7	NNE
6/22/2023 14:08:00	13.2	49.5	36.3	0.00	0.01	0.00	1.8	NE
6/22/2023 14:09:00	14.2	50.8	36.6	0.00	0.01	0.00	1.8	NE

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
6/22/2023 14:10:00	16.5	50.8	34.3	0.00	0.00	0.00	1.7	W
6/22/2023 14:11:00	17.0	52.2	35.2	0.00	0.00	0.00	1.7	SSW
6/22/2023 14:12:00	17.7	52.3	34.6	0.00	0.00	0.00	1.7	WSW
6/22/2023 14:13:00	17.8	51.9	34.0	0.00	0.00	0.00	1.6	NNW
6/22/2023 14:14:00	17.1	49.4	32.3	0.00	0.00	0.00	1.6	SSW
6/22/2023 14:15:00	16.1	38.3	22.2	0.00	0.00	0.00	1.6	WSW
6/22/2023 14:16:00	19.6	27.0	7.5	0.01	0.00	0.00	1.6	N
6/22/2023 14:17:00	20.1	23.4	3.2	0.01	0.00	-0.01	1.6	E
6/22/2023 14:18:00	18.5	23.8	5.3	0.01	0.00	0.00	1.7	S
6/22/2023 14:19:00	17.4	23.4	6.1	0.00	0.00	0.00	1.7	SSW
6/22/2023 14:20:00	16.0	23.8	7.8	0.00	0.00	0.00	1.6	SSW
6/22/2023 14:21:00	14.9	22.3	7.4	0.00	0.00	0.00	1.6	NNW
6/22/2023 14:22:00	14.4	20.9	6.5	0.00	0.01	0.00	1.5	S
6/22/2023 14:23:00	13.7	21.2	7.6	0.00	0.01	0.00	1.4	SW
6/22/2023 14:24:00	12.9	20.3	7.4	0.00	0.01	0.00	1.4	S
6/22/2023 14:25:00	10.6	20.4	9.8	0.00	0.01	0.00	1.5	S
6/22/2023 14:26:00	11.5	18.3	6.8	0.00	0.01	0.00	1.4	NNW
6/22/2023 14:27:00	10.9	18.3	7.4	0.00	0.01	0.01	1.4	W
6/22/2023 14:28:00	11.0	18.3	7.3	0.00	0.01	0.01	1.4	WNW
6/22/2023 14:29:00	11.9	17.2	5.3	0.00	0.01	0.01	1.4	NNE
6/22/2023 14:30:00	12.8	14.0	1.3	0.00	0.01	0.00	1.4	NE
6/22/2023 14:31:00	10.0	14.0	4.1	0.00	0.01	0.01	1.4	NE
6/22/2023 14:32:00	9.9	14.1	4.2	0.00	0.01	0.01	1.4	NE
6/22/2023 14:33:00	10.5	13.5	3.0	0.00	0.01	0.00	1.3	NNE
6/22/2023 14:34:00	11.2	12.8	1.6	0.00	0.01	0.00	1.4	E
6/22/2023 14:35:00	11.9	11.9	0.1	0.01	0.00	0.00	1.4	NE
6/22/2023 14:36:00	11.8	11.4	-0.4	0.01	0.00	0.00	1.4	SSW
6/22/2023 14:37:00	12.5	10.2	-2.2	0.01	0.00	0.00	1.5	NNW
6/22/2023 14:38:00	13.5	9.2	-4.3	0.01	0.00	-0.01	1.4	ESE
6/22/2023 14:39:00	13.9	8.0	-5.9	0.01	0.00	-0.01	1.4	NE
6/22/2023 14:40:00	13.8	7.5	-6.3	0.01	0.00	-0.01	1.4	SSW
6/22/2023 14:41:00	12.4	8.1	-4.3	0.01	0.00	-0.01	1.5	SW
6/22/2023 14:42:00	12.3	7.5	-4.7	0.01	0.00	-0.01	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
6/22/2023 14:43:00	11.8	7.4	-4.5	0.01	0.00	-0.01	1.5	S
6/22/2023 14:44:00	10.8	7.7	-3.1	0.01	0.00	-0.01	1.5	W
6/22/2023 14:45:00	9.9	8.1	-1.8	0.01	0.00	-0.01	1.6	SSW
6/22/2023 14:46:00	9.0	8.6	-0.4	0.01	0.00	-0.01	1.6	WSW
6/22/2023 14:47:00	8.4	9.1	0.7	0.01	0.00	-0.01	1.6	W
6/22/2023 14:48:00	7.8	9.8	2.0	0.01	0.00	0.00	1.6	WSW
6/22/2023 14:49:00	7.7	9.7	2.0	0.01	0.00	0.00	1.5	NNW
6/22/2023 14:50:00	7.0	10.1	3.1	0.00	0.00	0.00	1.5	WSW
6/22/2023 14:51:00	7.5	9.5	2.0	0.00	0.00	0.00	1.5	SE
6/22/2023 14:52:00	6.4	10.0	3.5	0.00	0.00	0.00	1.5	S
6/22/2023 14:53:00	5.3	11.1	5.9	0.00	0.00	0.00	1.5	SSW
6/22/2023 14:54:00	5.8	11.2	5.4	0.00	0.00	0.00	1.6	ENE
6/22/2023 14:55:00	5.8	10.4	4.6	0.00	0.00	0.00	1.6	SSW
6/22/2023 14:56:00	5.6	9.7	4.1	0.00	0.00	0.00	1.5	N
6/22/2023 14:57:00	7.0	8.7	1.8	0.00	0.00	0.00	1.5	NE
6/22/2023 14:58:00	8.4	7.8	-0.6	0.00	0.00	0.00	1.5	NE
6/22/2023 14:59:00	8.7	7.4	-1.3	0.00	0.00	0.00	1.5	NE
6/22/2023 15:00:00	8.9	7.0	-1.9	0.00	0.00	0.00	1.5	NNE
6/22/2023 15:01:00	9.2	6.4	-2.8	0.00	0.00	0.00	1.5	NE
6/22/2023 15:02:00	9.6	5.9	-3.7	0.00	0.00	0.00	1.5	NNE
6/22/2023 15:03:00	10.0	5.2	-4.8	0.01	0.00	0.00	1.6	NNE
6/22/2023 15:04:00	9.7	5.3	-4.4	0.01	0.00	-0.01	1.6	ENE
6/22/2023 15:05:00	9.8	4.9	-4.9	0.01	0.00	-0.01	1.6	NNE
6/22/2023 15:06:00	9.4	4.9	-4.5	0.01	0.00	-0.01	1.7	NE
6/22/2023 15:07:00	9.6	4.5	-5.1	0.01	0.00	-0.01	1.7	ENE
6/22/2023 15:08:00	9.5	3.3	-6.2	0.01	0.00	-0.01	1.6	SW
6/22/2023 15:09:00	8.7	3.3	-5.4	0.01	0.00	-0.01	1.6	SE
6/22/2023 15:10:00	8.6	3.7	-4.9	0.01	0.01	-0.01	1.5	W
6/22/2023 15:11:00	8.8	3.8	-5.0	0.01	0.01	0.00	1.5	S
6/22/2023 15:12:00	7.6	4.0	-3.6	0.02	0.01	-0.01	1.6	N
6/22/2023 15:13:00	6.4	4.2	-2.1	0.02	0.01	-0.01	1.5	ENE
6/22/2023 15:14:00	5.9	4.3	-1.6	0.02	0.02	-0.01	1.6	SW
6/22/2023 15:15:00	5.6	4.3	-1.3	0.02	0.02	-0.01	1.6	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
6/22/2023 15:16:00	5.4	4.4	-0.9	0.02	0.02	0.00	1.5	SSW
6/22/2023 15:17:00	5.0	4.5	-0.5	0.02	0.02	0.00	1.4	SW
6/22/2023 15:18:00	4.6	4.5	0.0	0.02	0.02	0.00	1.4	SSW
6/22/2023 15:19:00	4.2	4.5	0.3	0.02	0.02	0.00	1.4	SSW
6/22/2023 15:20:00	4.0	4.6	0.5	0.02	0.02	0.00	1.4	SSW
6/22/2023 15:21:00	3.8	4.7	0.8	0.02	0.02	0.00	1.4	SSW
6/22/2023 15:22:00	3.8	4.6	0.8	0.02	0.02	0.00	1.4	NNE
6/22/2023 15:23:00	3.9	4.5	0.6	0.02	0.02	0.00	1.5	NNE
6/22/2023 15:24:00	3.9	4.5	0.7	0.02	0.02	0.01	1.5	N
6/22/2023 15:25:00	3.9	4.1	0.2	0.02	0.02	0.00	1.6	SSW