

DAILY FIELD REPORT 108

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	November 1, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:30 am to 5:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Padmanabhan Krishnaswamy (Environmental) Xianglei Zheng (Geotechnical)
Construction Manager: Consigli Construction Co., Inc. (Consigli) Foundation Contractor: Urban Foundation/Engineering (Urban)	

Work Activities Performed:

- Urban excavated an about 10-foot-long by 15-foot-wide area from about 5 feet below grade surface (bgs) to about 10 feet bgs in the southern part of WC03_5-10 to prepare for lagging installation. Excavated soil/fill was temporarily stockpiled in the northern part of grid WC02 prior to being loaded into trucks for off-site disposal.
- Urban excavated an about 5-foot-long by 5-foot-wide area to about 5 feet bgs in the southern part of WC05 in preparation for installation of a caisson. Excavated soil/fill was graded adjacent to the excavation area.
- Excavated 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 began installing a casing for one 36-inch outer diameter (OD) caisson using a Bauer BG28H Drill Rig in the western part of the site.
- Urban completed installation of one 16-inch OD caisson using an Urban Custom Build Drill Rig in the southern part of the site.

Material Tracking:

- The following soil/fill was exported from the site:
 - 6 loads of soil/fill from waste characterization grid WC03_5-10 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
Facility Name	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)
		0	--	6	120	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	127	2,540	66	1,320	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.

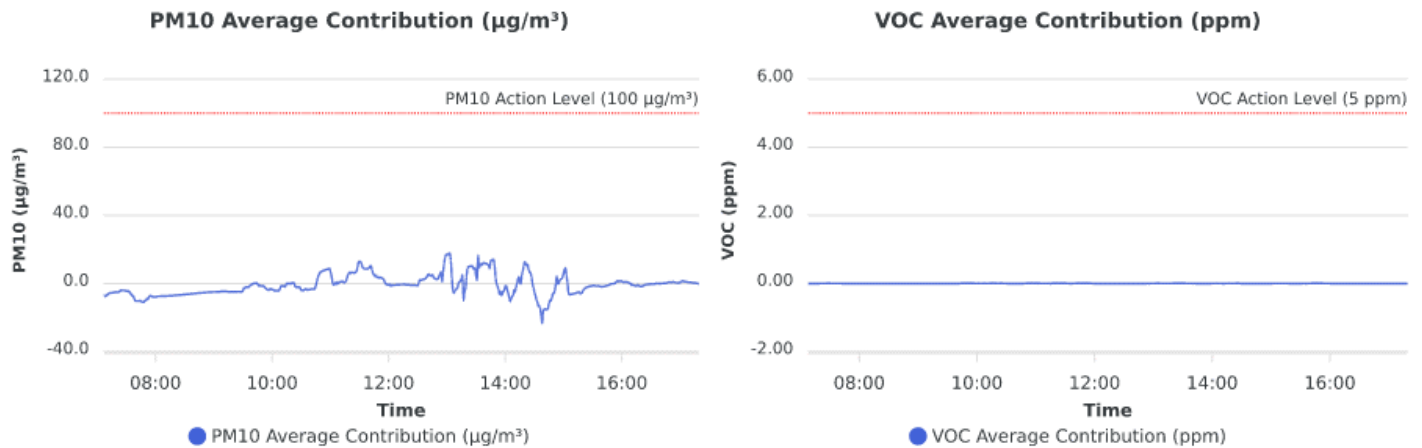
Air Monitoring:

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 $\mu\text{g}/\text{m}^3$ for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action levels of 100 $\mu\text{g}/\text{m}^3$ or 5 ppm, respectively, on this day. CAMP was not implemented from 8:03 AM to 9:05 AM due to sustained precipitation.

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)		Organic Vapor Monitoring (ppm)	
Daily Background	6.9	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-23.4	VOC Average Site Contribution (Minimum)	-0.00
PM10 Average Site Contribution (Maximum)	17.9	VOC Average Site Contribution (Maximum)	0.01

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

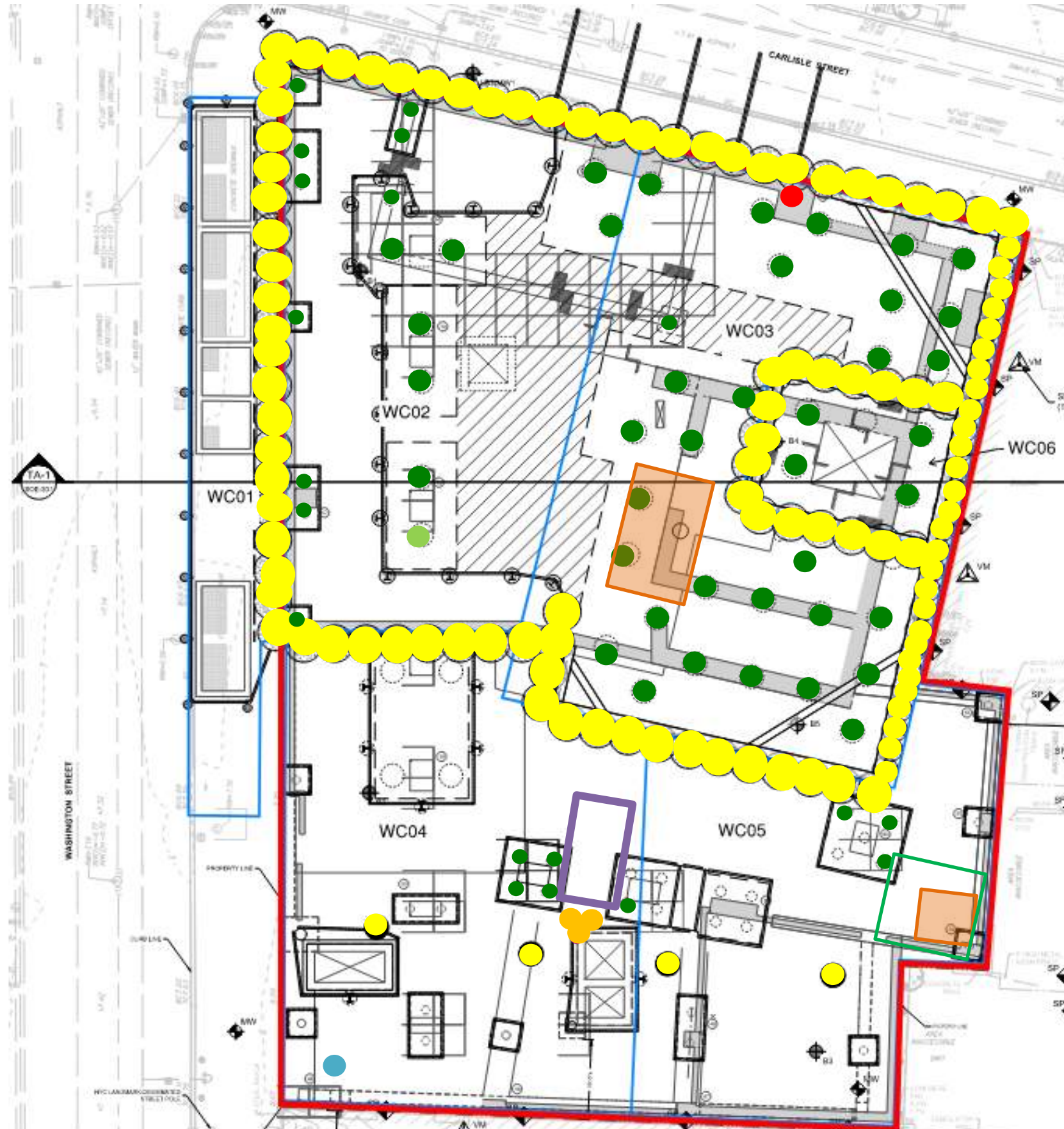
ppm: parts per million.



Planned Activities:

- Urban will continue installing caisson casings throughout the site.
- Urban will export soil/fill off-site.

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 Caisson
- Reinstalled 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: View of Urban loading soil/fill for off-site disposal (facing southeast).



Photo 2: View of Urban installing a caisson in the western part of the site (facing east).

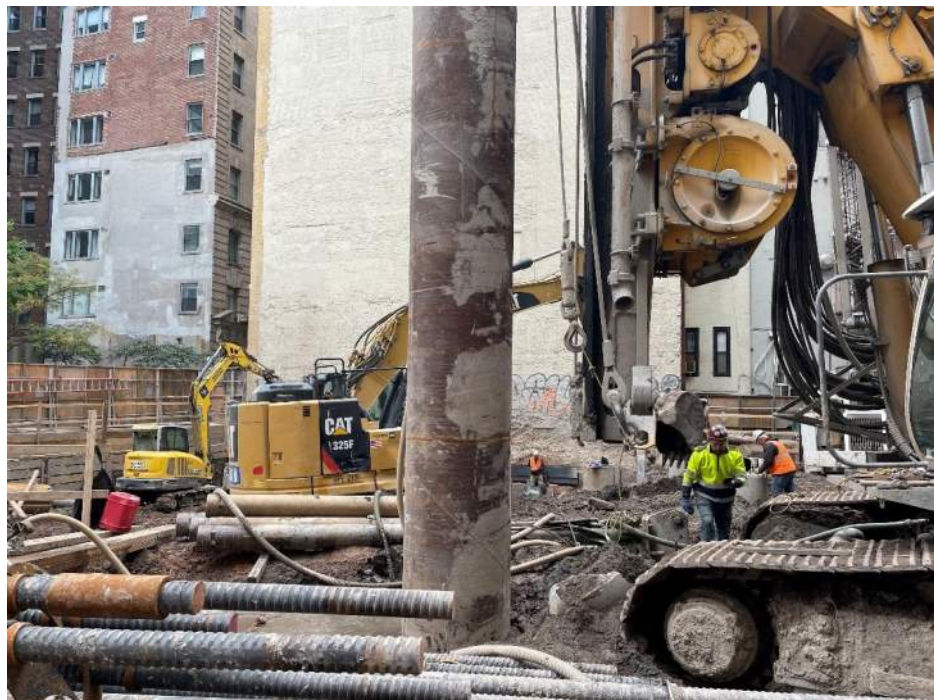


Photo 3: View of the site entrance/exit along Washington Street at the end of the work day (facing northeast).



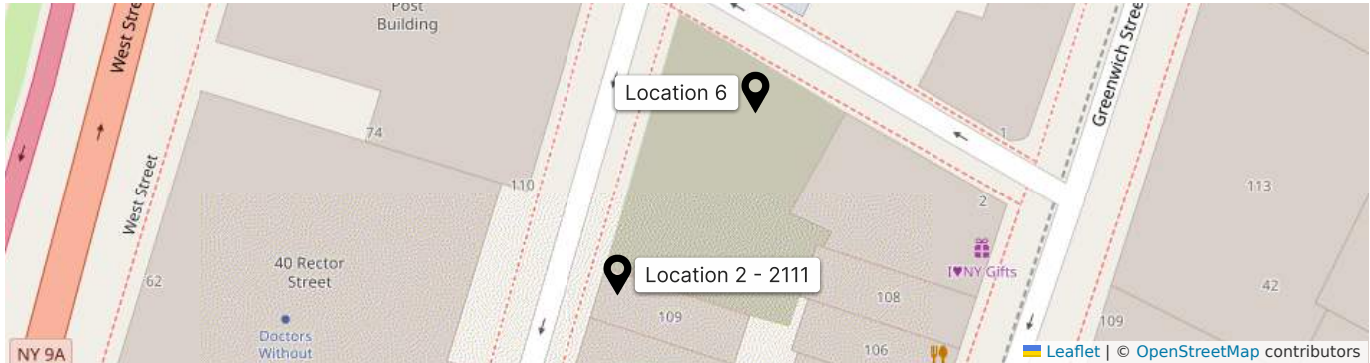
Photo 4: View of the site entrance/exit at the corner of Carlisle and Washington Street at the end of the work day (facing southeast).



LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	11/1/2023 06:00
		To:	11/1/2023 18:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

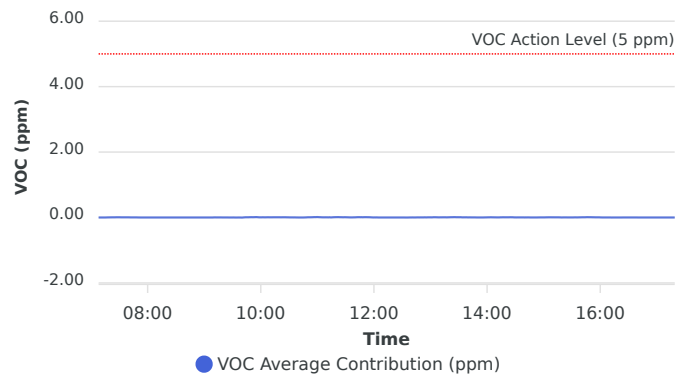
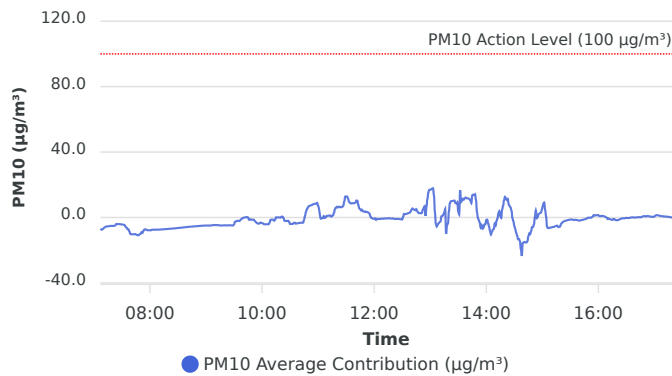
Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
11/1/2023	0.1-3.4	NE

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 11/1/2023	-23.4	14:38	-0.00	09:40
Max Contribution (15 min avg.) - 11/1/2023	17.9	13:03	0.01	11:00

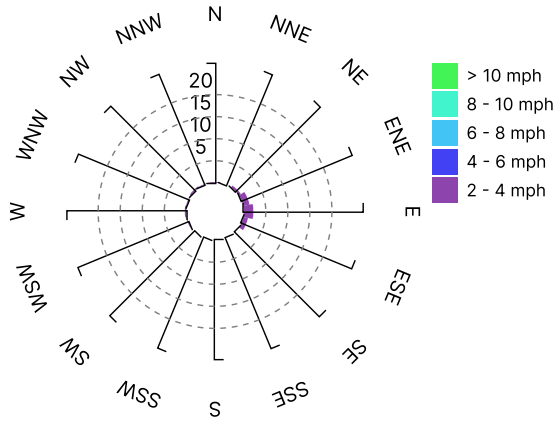


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

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
11/1/2023 07:07:00	6.9	0.0	-6.9				0.1	ENE
11/1/2023 07:08:00	7.4	0.0	-7.4	0.00	0.00	0.00	1.1	ESE
11/1/2023 07:09:00	7.3	0.0	-7.3	0.00	0.00	0.00	1.4	E
11/1/2023 07:10:00	6.8	0.0	-6.8	0.00	0.00	0.00	1.6	ESE
11/1/2023 07:11:00	6.2	0.0	-6.2	0.00	0.00	0.00	1.6	E
11/1/2023 07:12:00	5.8	0.0	-5.8	0.00	0.00	0.00	1.6	NE
11/1/2023 07:13:00	5.6	0.0	-5.6	0.00	0.00	0.00	1.5	E
11/1/2023 07:14:00	5.5	0.0	-5.5	0.00	0.00	0.00	1.5	E
11/1/2023 07:15:00	5.4	0.0	-5.4	0.00	0.00	0.00	1.5	ENE
11/1/2023 07:16:00	5.4	0.0	-5.4	0.00	0.00	0.00	1.4	NNE
11/1/2023 07:17:00	5.3	0.0	-5.2	0.00	0.00	0.00	1.4	ENE
11/1/2023 07:18:00	5.2	0.0	-5.1	0.00	0.00	0.00	1.4	NW
11/1/2023 07:19:00	5.2	0.0	-5.2	0.00	0.00	0.00	1.4	ENE
11/1/2023 07:20:00	5.2	0.0	-5.2	0.00	0.00	0.00	1.4	ENE
11/1/2023 07:21:00	5.2	0.0	-5.2	0.00	0.00	0.00	1.4	E
11/1/2023 07:22:00	5.0	0.0	-5.0	0.00	0.01	0.01	1.5	ENE
11/1/2023 07:23:00	4.8	0.0	-4.8	0.00	0.01	0.01	1.4	NE
11/1/2023 07:24:00	4.3	0.3	-4.0	0.00	0.01	0.01	1.4	W
11/1/2023 07:25:00	4.3	0.3	-4.0	0.00	0.01	0.01	1.3	NNE
11/1/2023 07:26:00	4.4	0.3	-4.0	0.00	0.01	0.01	1.3	E
11/1/2023 07:27:00	4.4	0.3	-4.0	0.00	0.01	0.01	1.3	ENE
11/1/2023 07:28:00	4.4	0.3	-4.0	0.00	0.01	0.01	1.4	ENE
11/1/2023 07:29:00	4.5	0.3	-4.2	0.00	0.01	0.01	1.3	ESE
11/1/2023 07:30:00	4.6	0.3	-4.3	0.00	0.01	0.01	1.3	E
11/1/2023 07:31:00	4.6	0.3	-4.3	0.00	0.01	0.01	1.4	E
11/1/2023 07:32:00	4.8	0.3	-4.5	0.00	0.01	0.01	1.4	E
11/1/2023 07:33:00	5.1	0.4	-4.7	0.00	0.01	0.01	1.5	ENE
11/1/2023 07:34:00	6.2	0.4	-5.8	0.00	0.01	0.01	1.5	E
11/1/2023 07:35:00	6.5	0.4	-6.2	0.00	0.01	0.01	1.5	E
11/1/2023 07:36:00	7.5	0.4	-7.2	0.00	0.01	0.01	1.6	ENE
11/1/2023 07:37:00	7.6	0.4	-7.2	0.00	0.01	0.01	1.7	ENE
11/1/2023 07:38:00	9.0	0.4	-8.6	0.00	0.01	0.01	1.7	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/1/2023 07:39:00	10.2	0.1	-10.1	0.00	0.01	0.01	1.7	E
11/1/2023 07:40:00	10.3	0.1	-10.3	0.00	0.01	0.01	1.8	E
11/1/2023 07:41:00	10.3	0.1	-10.2	0.00	0.00	0.00	1.9	ESE
11/1/2023 07:42:00	10.3	0.1	-10.2	0.00	0.00	0.00	1.9	E
11/1/2023 07:43:00	10.4	0.1	-10.3	0.00	0.00	0.00	1.9	SE
11/1/2023 07:44:00	10.2	0.1	-10.1	0.00	0.00	0.00	1.9	E
11/1/2023 07:45:00	10.4	0.1	-10.4	0.00	0.00	0.00	1.9	E
11/1/2023 07:46:00	10.7	0.1	-10.7	0.00	0.00	0.00	1.9	NNE
11/1/2023 07:47:00	10.9	0.0	-10.9	0.00	0.00	0.00	1.9	E
11/1/2023 07:48:00	10.8	0.0	-10.8	0.00	0.00	0.00	2.0	NE
11/1/2023 07:49:00	10.2	0.0	-10.2	0.00	0.00	0.00	1.9	NNW
11/1/2023 07:50:00	9.9	0.0	-9.9	0.00	0.00	0.00	1.9	N
11/1/2023 07:51:00	9.0	0.0	-9.0	0.00	0.00	0.00	1.8	E
11/1/2023 07:52:00	9.4	0.0	-9.4	0.00	0.00	0.00	1.7	ENE
11/1/2023 07:53:00	8.2	0.0	-8.2	0.00	0.00	0.00	1.6	NE
11/1/2023 07:54:00	7.4	0.0	-7.4	0.00	0.00	0.00	1.6	E
11/1/2023 07:55:00	7.2	0.0	-7.2	0.00	0.00	0.00	1.6	E
11/1/2023 07:56:00	7.5	0.0	-7.5	0.00	0.00	0.00	1.5	ENE
11/1/2023 07:57:00	7.8	0.0	-7.8	0.00	0.00	0.00	1.6	ENE
11/1/2023 07:58:00	7.8	0.0	-7.8	0.00	0.00	0.00	1.7	E
11/1/2023 07:59:00	7.8	0.0	-7.8	0.00	0.00	0.00	1.7	E
11/1/2023 08:00:00	7.8	0.0	-7.8	0.00	0.00	0.00	1.7	ENE
11/1/2023 08:01:00	7.8	0.0	-7.8	0.00	0.00	0.00	1.8	E
11/1/2023 08:02:00	7.5	0.0	-7.5	0.00	0.00	0.00	1.8	NNE
11/1/2023 09:06:00	4.9	0.0	-4.9	0.00	0.00	0.00	0.4	ENE
11/1/2023 09:07:00	4.7	0.0	-4.7	0.00	0.00	0.00	0.6	ENE
11/1/2023 09:08:00	4.6	0.0	-4.6	0.00	0.00	0.00	0.8	NE
11/1/2023 09:09:00	4.6	0.0	-4.6	0.00	0.00	0.00	0.9	ENE
11/1/2023 09:10:00	4.6	0.0	-4.6	0.00	0.00	0.00	1.0	NW
11/1/2023 09:11:00	4.7	0.0	-4.7	0.00	0.00	0.00	1.0	NE
11/1/2023 09:12:00	4.6	0.0	-4.6	0.00	0.00	0.00	1.0	ENE
11/1/2023 09:13:00	4.7	0.0	-4.7	0.00	0.00	0.00	1.2	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/1/2023 09:14:00	4.7	0.0	-4.7	0.00	0.00	0.00	1.4	ESE
11/1/2023 09:15:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.4	E
11/1/2023 09:16:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.5	NE
11/1/2023 09:17:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.5	E
11/1/2023 09:18:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.6	ENE
11/1/2023 09:19:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.5	ESE
11/1/2023 09:20:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.5	ESE
11/1/2023 09:21:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.6	ENE
11/1/2023 09:22:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.7	E
11/1/2023 09:23:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.7	NW
11/1/2023 09:24:00	4.8	0.0	-4.8	0.00	0.00	0.00	1.7	ENE
11/1/2023 09:25:00	4.7	0.0	-4.7	0.00	0.00	0.00	1.7	ENE
11/1/2023 09:26:00	4.7	0.0	-4.7	0.00	0.00	0.00	1.7	ENE
11/1/2023 09:27:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.7	NE
11/1/2023 09:28:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.6	E
11/1/2023 09:29:00	4.9	0.0	-4.9	0.00	0.00	0.00	1.5	SE
11/1/2023 09:30:00	4.8	0.5	-4.3	0.00	0.00	0.00	1.5	ENE
11/1/2023 09:31:00	4.7	2.1	-2.6	0.00	0.00	0.00	1.4	ENE
11/1/2023 09:32:00	4.8	2.4	-2.5	0.00	0.00	0.00	1.4	WNW
11/1/2023 09:33:00	4.8	2.7	-2.0	0.00	0.00	0.00	1.4	W
11/1/2023 09:34:00	4.8	2.7	-2.1	0.00	0.00	0.00	1.4	ENE
11/1/2023 09:35:00	4.8	2.7	-2.1	0.00	0.00	0.00	1.3	NNE
11/1/2023 09:36:00	4.8	2.7	-2.1	0.00	0.00	0.00	1.3	ENE
11/1/2023 09:37:00	4.5	3.0	-1.4	0.00	0.00	0.00	1.2	WNW
11/1/2023 09:38:00	4.2	3.4	-0.9	0.00	0.00	0.00	1.1	WNW
11/1/2023 09:39:00	4.2	3.7	-0.5	0.00	0.00	0.00	1.1	WNW
11/1/2023 09:40:00	4.2	4.0	-0.2	0.00	0.00	0.00	1.1	NW
11/1/2023 09:41:00	4.1	4.1	0.0	0.00	0.00	0.00	1.1	ENE
11/1/2023 09:42:00	4.0	4.1	0.1	0.00	0.01	0.00	1.1	ENE
11/1/2023 09:43:00	3.9	4.1	0.2	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:44:00	3.9	4.2	0.2	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:45:00	3.9	3.9	0.0	0.00	0.01	0.01	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
11/1/2023 09:46:00	3.9	2.6	-1.3	0.00	0.01	0.01	1.2	N
11/1/2023 09:47:00	3.6	2.6	-1.0	0.00	0.01	0.01	1.2	WNW
11/1/2023 09:48:00	3.6	2.3	-1.4	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:49:00	3.6	2.3	-1.4	0.00	0.01	0.01	1.2	NE
11/1/2023 09:50:00	3.6	2.3	-1.3	0.00	0.01	0.01	1.1	NE
11/1/2023 09:51:00	3.6	2.2	-1.3	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:52:00	3.9	1.9	-2.0	0.00	0.01	0.01	1.1	NNE
11/1/2023 09:53:00	4.2	1.6	-2.6	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:54:00	4.5	1.3	-3.2	0.00	0.01	0.01	1.1	E
11/1/2023 09:55:00	4.6	1.0	-3.6	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:56:00	4.6	0.9	-3.8	0.00	0.01	0.01	1.2	ENE
11/1/2023 09:57:00	4.6	0.9	-3.7	0.00	0.01	0.01	1.2	NE
11/1/2023 09:58:00	4.3	1.1	-3.2	0.00	0.01	0.01	1.2	W
11/1/2023 09:59:00	4.3	1.0	-3.2	0.00	0.01	0.01	1.1	NNW
11/1/2023 10:00:00	4.2	0.8	-3.4	0.00	0.01	0.01	1.1	NE
11/1/2023 10:01:00	4.2	0.6	-3.7	0.00	0.01	0.01	1.1	N
11/1/2023 10:02:00	4.4	0.3	-4.1	0.00	0.01	0.01	1.0	NE
11/1/2023 10:03:00	4.4	0.3	-4.2	0.00	0.01	0.01	1.1	ENE
11/1/2023 10:04:00	4.4	0.3	-4.2	0.00	0.01	0.01	1.1	NE
11/1/2023 10:05:00	4.4	0.3	-4.1	0.00	0.01	0.01	1.1	NE
11/1/2023 10:06:00	4.4	0.3	-4.1	0.00	0.01	0.01	1.2	ENE
11/1/2023 10:07:00	4.3	0.3	-4.1	0.00	0.01	0.01	1.1	E
11/1/2023 10:08:00	4.2	1.0	-3.3	0.00	0.01	0.01	1.1	NNW
11/1/2023 10:09:00	4.0	2.6	-1.5	0.00	0.01	0.01	1.1	NE
11/1/2023 10:10:00	4.0	2.6	-1.3	0.00	0.01	0.01	1.0	ENE
11/1/2023 10:11:00	4.0	2.6	-1.3	0.00	0.01	0.01	1.0	NE
11/1/2023 10:12:00	4.0	2.6	-1.4	0.00	0.01	0.01	1.0	NE
11/1/2023 10:13:00	4.4	2.4	-2.0	0.00	0.01	0.01	1.0	NE
11/1/2023 10:14:00	4.4	3.2	-1.2	0.00	0.01	0.01	1.1	NE
11/1/2023 10:15:00	4.4	4.5	0.1	0.00	0.01	0.01	1.1	E
11/1/2023 10:16:00	4.4	4.5	0.1	0.00	0.01	0.01	1.2	ENE
11/1/2023 10:17:00	4.5	4.5	0.0	0.00	0.01	0.01	1.2	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
11/1/2023 10:18:00	4.5	4.5	0.1	0.00	0.01	0.01	1.2	ENE
11/1/2023 10:19:00	4.5	4.5	0.0	0.00	0.01	0.01	1.2	E
11/1/2023 10:20:00	4.6	4.6	-0.1	0.00	0.01	0.01	1.2	ENE
11/1/2023 10:21:00	4.4	5.0	0.5	0.00	0.01	0.01	1.1	W
11/1/2023 10:22:00	4.5	5.0	0.5	0.00	0.01	0.01	1.1	NE
11/1/2023 10:23:00	4.6	4.3	-0.3	0.00	0.01	0.01	1.1	NE
11/1/2023 10:24:00	4.7	2.7	-2.0	0.00	0.01	0.01	1.1	NNE
11/1/2023 10:25:00	4.8	2.6	-2.1	0.00	0.01	0.01	1.1	NE
11/1/2023 10:26:00	4.8	2.6	-2.1	0.00	0.01	0.01	1.1	ENE
11/1/2023 10:27:00	4.7	2.6	-2.1	0.00	0.01	0.01	1.1	NE
11/1/2023 10:28:00	4.6	2.6	-2.0	0.00	0.01	0.01	1.0	NE
11/1/2023 10:29:00	4.6	1.9	-2.8	0.00	0.01	0.01	1.0	NW
11/1/2023 10:30:00	4.5	0.5	-4.0	0.00	0.01	0.00	0.9	ENE
11/1/2023 10:31:00	4.5	0.5	-4.0	0.00	0.00	0.00	0.9	NE
11/1/2023 10:32:00	4.5	0.5	-4.0	0.00	0.00	0.00	0.9	N
11/1/2023 10:33:00	4.4	0.5	-3.9	0.00	0.00	0.00	0.9	ENE
11/1/2023 10:34:00	4.1	0.8	-3.3	0.00	0.00	0.00	0.9	WNW
11/1/2023 10:35:00	3.9	0.7	-3.2	0.00	0.00	0.00	0.9	N
11/1/2023 10:36:00	4.1	0.3	-3.8	0.00	0.00	0.00	0.9	E
11/1/2023 10:37:00	4.0	0.3	-3.7	0.00	0.00	0.00	0.9	NE
11/1/2023 10:38:00	3.8	0.3	-3.5	0.00	0.00	0.00	0.9	NNE
11/1/2023 10:39:00	3.7	0.3	-3.4	0.00	0.00	0.00	0.9	E
11/1/2023 10:40:00	3.6	0.3	-3.3	0.00	0.00	0.00	0.9	NW
11/1/2023 10:41:00	3.5	0.3	-3.3	0.00	0.00	0.00	1.0	NE
11/1/2023 10:42:00	3.5	0.3	-3.2	0.00	0.00	0.00	1.0	E
11/1/2023 10:43:00	3.4	0.3	-3.2	0.00	0.00	0.00	1.0	ENE
11/1/2023 10:44:00	3.4	0.3	-3.2	0.00	0.00	0.00	1.0	ENE
11/1/2023 10:45:00	3.6	2.4	-1.3	0.00	0.00	0.00	1.0	NE
11/1/2023 10:46:00	3.8	4.8	1.1	0.00	0.00	0.00	1.0	NNW
11/1/2023 10:47:00	3.8	7.2	3.5	0.00	0.00	0.00	1.1	E
11/1/2023 10:48:00	3.8	8.8	5.1	0.00	0.00	0.00	1.0	E
11/1/2023 10:49:00	4.0	10.0	6.0	0.00	0.01	0.01	1.0	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
11/1/2023 10:50:00	4.0	11.0	6.9	0.00	0.01	0.01	1.0	NE
11/1/2023 10:51:00	4.0	11.2	7.1	0.00	0.01	0.01	1.0	NE
11/1/2023 10:52:00	4.1	11.5	7.4	0.00	0.01	0.01	1.0	W
11/1/2023 10:53:00	4.1	11.7	7.6	0.00	0.01	0.01	1.1	N
11/1/2023 10:54:00	4.1	11.9	7.8	0.00	0.01	0.01	1.1	NE
11/1/2023 10:55:00	4.1	12.2	8.1	0.00	0.01	0.01	1.1	ENE
11/1/2023 10:56:00	4.1	12.4	8.3	0.00	0.01	0.01	1.2	NE
11/1/2023 10:57:00	4.1	12.6	8.4	0.00	0.01	0.01	1.2	N
11/1/2023 10:58:00	4.2	12.8	8.6	0.00	0.01	0.01	1.2	NW
11/1/2023 10:59:00	4.2	13.1	8.9	0.00	0.01	0.01	1.2	NE
11/1/2023 11:00:00	4.0	11.0	7.0	0.00	0.02	0.01	1.2	NNE
11/1/2023 11:01:00				0.00	0.01	0.01	1.1	WNW
11/1/2023 11:02:00				0.00	0.01	0.01	1.1	WNW
11/1/2023 11:03:00	3.8	3.0	-0.7	0.00	0.01	0.01	1.1	NW
11/1/2023 11:04:00	3.8	3.2	-0.6	0.00	0.01	0.01	1.2	ENE
11/1/2023 11:05:00	3.9	3.7	-0.3	0.00	0.01	0.01	1.1	ENE
11/1/2023 11:06:00	4.1	5.0	0.9	0.00	0.01	0.01	1.1	ENE
11/1/2023 11:07:00	5.3	5.0	-0.3	0.01	0.01	0.01	1.1	SSE
11/1/2023 11:08:00	5.2	5.2	0.0	0.01	0.01	0.01	1.0	E
11/1/2023 11:09:00	5.1	6.0	0.9	0.01	0.01	0.01	1.1	ENE
11/1/2023 11:10:00	5.0	5.9	0.9	0.01	0.01	0.01	1.0	ENE
11/1/2023 11:11:00	4.9	6.0	1.1	0.01	0.01	0.01	1.0	ENE
11/1/2023 11:12:00	4.9	6.0	1.2	0.01	0.01	0.00	1.1	ENE
11/1/2023 11:13:00	4.8	6.0	1.2	0.00	0.01	0.01	1.1	NE
11/1/2023 11:14:00	5.3	5.8	0.5	0.01	0.01	0.00	1.1	SW
11/1/2023 11:15:00	5.2	6.0	0.9	0.01	0.01	0.00	1.2	ENE
11/1/2023 11:16:00	5.1	6.4	1.4	0.00	0.01	0.01	1.3	NW
11/1/2023 11:17:00	5.0	7.9	2.9	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:18:00	5.0	10.1	5.1	0.00	0.01	0.01	1.4	ENE
11/1/2023 11:19:00	5.0	11.0	6.0	0.00	0.01	0.01	1.4	NNE
11/1/2023 11:20:00	5.0	11.6	6.5	0.00	0.01	0.01	1.4	NW
11/1/2023 11:21:00	5.1	11.2	6.1	0.00	0.01	0.01	1.4	NW

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
11/1/2023 11:22:00	4.7	11.3	6.5	0.00	0.01	0.01	1.4	E
11/1/2023 11:23:00	4.7	11.3	6.6	0.00	0.01	0.01	1.4	E
11/1/2023 11:24:00	4.7	10.9	6.2	0.00	0.01	0.01	1.4	NE
11/1/2023 11:25:00	4.8	11.1	6.4	0.00	0.01	0.01	1.4	NE
11/1/2023 11:26:00	4.7	11.3	6.5	0.00	0.01	0.01	1.4	ENE
11/1/2023 11:27:00	4.7	12.1	7.3	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:28:00	4.8	14.6	9.8	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:29:00	4.3	17.1	12.8	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:30:00	4.3	17.2	12.9	0.00	0.01	0.01	1.3	E
11/1/2023 11:31:00	4.3	17.1	12.8	0.00	0.01	0.01	1.2	ENE
11/1/2023 11:32:00	4.3	15.9	11.6	0.00	0.01	0.01	1.2	NNW
11/1/2023 11:33:00	4.3	14.0	9.7	0.00	0.01	0.01	1.1	N
11/1/2023 11:34:00	4.3	13.3	9.0	0.00	0.00	0.00	1.1	NNE
11/1/2023 11:35:00	4.2	12.8	8.6	0.00	0.00	0.00	1.1	N
11/1/2023 11:36:00	4.2	12.8	8.6	0.00	0.00	0.00	1.1	WNW
11/1/2023 11:37:00	4.1	12.9	8.7	0.00	0.00	0.00	1.2	NE
11/1/2023 11:38:00	4.1	12.8	8.7	0.00	0.00	0.00	1.2	E
11/1/2023 11:39:00	4.1	12.9	8.8	0.00	0.01	0.01	1.2	E
11/1/2023 11:40:00	4.0	13.2	9.1	0.00	0.01	0.01	1.3	NE
11/1/2023 11:41:00	4.0	14.4	10.4	0.00	0.01	0.01	1.3	E
11/1/2023 11:42:00	4.0	14.2	10.2	0.00	0.01	0.01	1.3	E
11/1/2023 11:43:00	3.9	11.7	7.8	0.00	0.01	0.01	1.3	NNE
11/1/2023 11:44:00	4.0	9.6	5.6	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:45:00	4.8	9.9	5.1	0.00	0.01	0.01	1.3	NNE
11/1/2023 11:46:00	5.4	9.7	4.3	0.00	0.01	0.01	1.3	W
11/1/2023 11:47:00	5.5	10.3	4.8	0.00	0.01	0.01	1.3	NE
11/1/2023 11:48:00	6.2	10.0	3.8	0.00	0.01	0.01	1.3	W
11/1/2023 11:49:00	6.4	10.0	3.6	0.00	0.01	0.01	1.3	N
11/1/2023 11:50:00	6.6	9.9	3.4	0.00	0.01	0.01	1.3	E
11/1/2023 11:51:00	6.4	10.1	3.7	0.00	0.01	0.01	1.3	WNW
11/1/2023 11:52:00	6.4	9.8	3.4	0.00	0.01	0.01	1.3	ENE
11/1/2023 11:53:00	6.4	9.6	3.2	0.00	0.01	0.01	1.3	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
11/1/2023 11:54:00	6.4	9.4	3.0	0.00	0.01	0.01	1.3	NNW
11/1/2023 11:55:00	6.5	8.8	2.3	0.00	0.01	0.01	1.2	ESE
11/1/2023 11:56:00	6.5	7.2	0.7	0.00	0.01	0.01	1.1	NNW
11/1/2023 11:57:00	6.6	6.3	-0.3	0.00	0.01	0.01	1.1	N
11/1/2023 11:58:00	6.7	6.2	-0.5	0.00	0.01	0.00	1.1	ENE
11/1/2023 11:59:00	6.5	5.7	-0.8	0.00	0.01	0.00	1.1	NE
11/1/2023 12:00:00	5.8	5.0	-0.7	0.00	0.01	0.00	1.0	NE
11/1/2023 12:01:00	5.2	4.7	-0.5	0.00	0.01	0.00	1.0	NNE
11/1/2023 12:02:00	5.1	3.7	-1.4	0.00	0.00	0.00	0.9	NNE
11/1/2023 12:03:00	4.4	3.6	-0.8	0.00	0.00	0.00	0.9	NE
11/1/2023 12:04:00	4.3	3.4	-0.9	0.00	0.00	0.00	0.9	ENE
11/1/2023 12:05:00	4.2	3.3	-0.9	0.00	0.00	0.00	0.9	NE
11/1/2023 12:06:00	4.2	3.2	-0.9	0.00	0.00	0.00	0.9	WNW
11/1/2023 12:07:00	4.1	3.4	-0.8	0.00	0.00	0.00	0.9	WNW
11/1/2023 12:08:00	4.2	3.5	-0.7	0.00	0.00	0.00	0.9	N
11/1/2023 12:09:00	4.2	3.5	-0.8	0.00	0.00	0.00	0.9	NE
11/1/2023 12:10:00	4.2	3.5	-0.7	0.00	0.00	0.00	0.9	E
11/1/2023 12:11:00	4.2	3.5	-0.7	0.00	0.00	0.00	0.9	E
11/1/2023 12:12:00	4.0	3.5	-0.6	0.00	0.00	0.00	0.9	ENE
11/1/2023 12:13:00	4.0	3.4	-0.6	0.00	0.00	0.00	0.9	E
11/1/2023 12:14:00	4.0	3.4	-0.6	0.00	0.00	0.00	0.9	ENE
11/1/2023 12:15:00	4.0	3.5	-0.5	0.00	0.00	0.00	0.9	ENE
11/1/2023 12:16:00	4.1	3.7	-0.4	0.00	0.00	0.00	0.9	E
11/1/2023 12:17:00	4.6	4.0	-0.6	0.00	0.00	0.00	1.0	ENE
11/1/2023 12:18:00	5.0	4.3	-0.6	0.00	0.00	0.00	1.0	ENE
11/1/2023 12:19:00	5.2	4.5	-0.7	0.00	0.00	0.00	0.9	N
11/1/2023 12:20:00	5.3	4.7	-0.6	0.00	0.00	0.00	0.9	NE
11/1/2023 12:21:00	5.4	4.7	-0.7	0.00	0.00	0.00	0.9	ENE
11/1/2023 12:22:00	5.5	4.6	-0.9	0.00	0.00	0.00	0.9	NNW
11/1/2023 12:23:00	5.5	4.6	-0.9	0.00	0.00	0.00	0.8	ESE
11/1/2023 12:24:00	5.5	4.7	-0.8	0.00	0.00	0.00	0.8	ENE
11/1/2023 12:25:00	5.7	4.8	-0.9	0.00	0.00	0.00	0.8	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
11/1/2023 12:26:00	5.8	4.9	-0.9	0.00	0.00	0.00	0.8	ENE
11/1/2023 12:27:00	5.9	4.9	-0.9	0.00	0.00	0.00	0.9	E
11/1/2023 12:28:00	6.1	5.0	-1.0	0.00	0.00	0.00	0.9	NE
11/1/2023 12:29:00	6.2	5.2	-1.1	0.00	0.00	0.00	0.9	E
11/1/2023 12:30:00	6.5	5.3	-1.2	0.00	0.00	0.00	1.0	NE
11/1/2023 12:31:00	6.8	7.3	0.5	0.00	0.00	0.00	1.0	NE
11/1/2023 12:32:00	6.6	8.8	2.2	0.00	0.00	0.00	1.0	E
11/1/2023 12:33:00	6.7	8.7	2.0	0.00	0.00	0.00	1.1	WNW
11/1/2023 12:34:00	6.6	8.8	2.1	0.00	0.00	0.00	1.1	ENE
11/1/2023 12:35:00	6.8	9.2	2.3	0.00	0.00	0.00	1.2	E
11/1/2023 12:36:00	7.2	9.8	2.5	0.00	0.00	0.00	1.2	NW
11/1/2023 12:37:00	7.4	10.1	2.7	0.00	0.00	0.00	1.2	NE
11/1/2023 12:38:00	7.5	10.4	2.9	0.00	0.00	0.00	1.2	NW
11/1/2023 12:39:00	7.7	11.4	3.7	0.00	0.00	0.00	1.2	E
11/1/2023 12:40:00	7.7	12.4	4.8	0.00	0.00	0.00	1.2	ENE
11/1/2023 12:41:00	7.7	13.3	5.5	0.00	0.00	0.00	1.2	ENE
11/1/2023 12:42:00	8.4	13.4	5.0	0.00	0.00	0.00	1.2	WNW
11/1/2023 12:43:00	8.5	13.3	4.7	0.00	0.00	0.00	1.2	WNW
11/1/2023 12:44:00	8.8	13.2	4.4	0.00	0.00	0.00	1.2	WNW
11/1/2023 12:45:00	8.5	13.6	5.1	0.00	0.00	0.00	1.1	ENE
11/1/2023 12:46:00	8.3	12.3	4.0	0.00	0.00	0.00	1.1	N
11/1/2023 12:47:00	8.1	11.2	3.0	0.00	0.01	0.00	1.1	NNW
11/1/2023 12:48:00	8.6	11.2	2.6	0.00	0.01	0.00	1.1	WNW
11/1/2023 12:49:00	8.5	11.2	2.7	0.00	0.01	0.00	1.1	NE
11/1/2023 12:50:00	8.4	10.9	2.5	0.00	0.01	0.00	1.1	W
11/1/2023 12:51:00	8.1	10.8	2.7	0.00	0.01	0.00	1.1	NNW
11/1/2023 12:52:00	7.9	12.5	4.6	0.00	0.01	0.00	1.1	NNE
11/1/2023 12:53:00	7.8	13.5	5.8	0.00	0.01	0.00	1.1	ENE
11/1/2023 12:54:00	7.5	14.3	6.8	0.00	0.01	0.01	1.2	ENE
11/1/2023 12:55:00	12.2	13.3	1.0	0.00	0.01	0.00	1.2	SSW
11/1/2023 12:56:00	12.2	18.9	6.6	0.00	0.01	0.00	1.3	ESE
11/1/2023 12:57:00	11.6	23.1	11.5	0.00	0.01	0.01	1.3	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/1/2023 12:58:00	11.4	26.8	15.4	0.00	0.01	0.01	1.3	NE
11/1/2023 12:59:00	11.2	28.1	16.9	0.00	0.01	0.01	1.4	E
11/1/2023 13:00:00	11.3	28.3	17.0	0.00	0.01	0.01	1.5	E
11/1/2023 13:01:00				0.00	0.01	0.00	1.5	NNE
11/1/2023 13:02:00				0.00	0.01	0.01	1.5	E
11/1/2023 13:03:00	5.9	23.8	17.9	0.00	0.01	0.01	1.5	ENE
11/1/2023 13:04:00	5.7	19.1	13.4	0.00	0.01	0.01	1.5	N
11/1/2023 13:05:00	11.1	14.3	3.2	0.00	0.01	0.01	1.5	NW
11/1/2023 13:06:00	16.1	12.2	-3.9	0.00	0.01	0.01	1.5	NW
11/1/2023 13:07:00	16.4	10.8	-5.6	0.00	0.01	0.01	1.5	NW
11/1/2023 13:08:00	14.3	10.0	-4.4	0.00	0.01	0.01	1.5	ENE
11/1/2023 13:09:00	12.9	9.3	-3.6	0.00	0.01	0.00	1.4	NNW
11/1/2023 13:10:00	11.7	8.8	-2.9	0.00	0.01	0.01	1.4	E
11/1/2023 13:11:00	11.1	8.7	-2.4	0.00	0.01	0.01	1.3	ENE
11/1/2023 13:12:00	10.6	11.3	0.7	0.00	0.01	0.01	1.3	E
11/1/2023 13:13:00	10.1	11.0	1.0	0.00	0.01	0.01	1.3	NNE
11/1/2023 13:14:00	9.6	11.3	1.8	0.00	0.01	0.01	1.2	NE
11/1/2023 13:15:00	9.1	12.1	3.0	0.00	0.01	0.01	1.1	ENE
11/1/2023 13:16:00	8.8	13.9	5.2	0.00	0.01	0.01	1.2	ENE
11/1/2023 13:17:00	23.3	13.3	-10.0	0.00	0.01	0.00	1.2	WNW
11/1/2023 13:18:00	23.2	18.5	-4.7	0.00	0.01	0.01	1.2	N
11/1/2023 13:19:00	23.1	19.5	-3.6	0.00	0.01	0.01	1.2	NE
11/1/2023 13:20:00	21.9	25.8	3.9	0.00	0.01	0.01	1.2	E
11/1/2023 13:21:00	20.1	28.8	8.7	0.00	0.01	0.01	1.2	NE
11/1/2023 13:22:00	19.1	29.0	9.9	0.00	0.01	0.01	1.2	N
11/1/2023 13:23:00	19.1	29.2	10.0	0.00	0.01	0.01	1.2	N
11/1/2023 13:24:00	19.1	29.3	10.1	0.00	0.01	0.01	1.2	ENE
11/1/2023 13:25:00	19.1	29.4	10.3	0.00	0.01	0.01	1.2	NE
11/1/2023 13:26:00	19.0	29.3	10.3	0.00	0.01	0.01	1.2	NE
11/1/2023 13:27:00	18.8	27.5	8.7	0.00	0.01	0.01	1.1	E
11/1/2023 13:28:00	18.6	27.3	8.6	0.00	0.01	0.01	1.1	ESE
11/1/2023 13:29:00	18.6	27.9	9.3	0.00	0.01	0.01	1.2	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
11/1/2023 13:30:00	23.2	26.7	3.5	0.00	0.01	0.01	1.2	NW
11/1/2023 13:31:00	23.2	25.0	1.8	0.00	0.01	0.01	1.1	N
11/1/2023 13:32:00	8.3	24.9	16.6	0.00	0.01	0.01	1.0	NE
11/1/2023 13:33:00	9.0	18.4	9.4	0.00	0.01	0.01	1.0	NW
11/1/2023 13:34:00	9.0	19.5	10.5	0.00	0.01	0.00	1.0	NNE
11/1/2023 13:35:00	9.0	20.4	11.5	0.00	0.01	0.01	1.1	E
11/1/2023 13:36:00	8.9	19.9	10.9	0.00	0.01	0.01	1.1	E
11/1/2023 13:37:00	8.9	20.7	11.8	0.00	0.01	0.01	1.1	E
11/1/2023 13:38:00	8.8	21.0	12.2	0.00	0.01	0.01	1.1	NE
11/1/2023 13:39:00	9.0	20.7	11.8	0.00	0.01	0.00	1.1	WNW
11/1/2023 13:40:00	8.9	20.6	11.7	0.00	0.01	0.00	1.1	N
11/1/2023 13:41:00	9.0	20.5	11.6	0.00	0.01	0.00	1.2	E
11/1/2023 13:42:00	9.1	20.3	11.2	0.00	0.01	0.00	1.2	NNW
11/1/2023 13:43:00	9.9	20.2	10.4	0.00	0.01	0.00	1.3	W
11/1/2023 13:44:00	10.1	18.9	8.8	0.00	0.01	0.00	1.3	WNW
11/1/2023 13:45:00	5.5	19.1	13.6	0.00	0.01	0.00	1.3	NNW
11/1/2023 13:46:00	5.6	19.5	13.9	0.00	0.01	0.00	1.3	N
11/1/2023 13:47:00	5.9	19.6	13.7	0.00	0.01	0.00	1.4	W
11/1/2023 13:48:00	5.4	19.6	14.2	0.00	0.01	0.00	1.4	W
11/1/2023 13:49:00	6.1	16.8	10.6	0.00	0.01	0.00	1.4	WNW
11/1/2023 13:50:00	6.3	9.7	3.4	0.00	0.00	0.00	1.4	ENE
11/1/2023 13:51:00	7.9	7.6	-0.2	0.00	0.00	0.00	1.4	ENE
11/1/2023 13:52:00	9.1	7.5	-1.7	0.00	0.00	0.00	1.3	NNE
11/1/2023 13:53:00	12.4	9.2	-3.2	0.00	0.00	0.00	1.3	ESE
11/1/2023 13:54:00	16.3	10.0	-6.2	0.00	0.00	0.00	1.3	NW
11/1/2023 13:55:00	17.1	12.4	-4.6	0.00	0.00	0.00	1.3	NNE
11/1/2023 13:56:00	21.0	14.1	-6.9	0.00	0.00	0.00	1.3	E
11/1/2023 13:57:00	23.8	17.6	-6.2	0.00	0.01	0.00	1.3	N
11/1/2023 13:58:00	25.9	21.6	-4.3	0.00	0.01	0.00	1.2	NE
11/1/2023 13:59:00	31.8	27.6	-4.2	0.00	0.01	0.00	1.3	ENE
11/1/2023 14:00:00	34.0	32.5	-1.4	0.00	0.01	0.00	1.3	ENE
11/1/2023 14:01:00	35.8	34.5	-1.3	0.00	0.01	0.01	1.3	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
11/1/2023 14:02:00	40.3	36.6	-3.7	0.00	0.01	0.01	1.3	NW
11/1/2023 14:03:00	44.8	39.3	-5.6	0.00	0.01	0.01	1.2	E
11/1/2023 14:04:00	49.1	40.8	-8.3	0.00	0.01	0.01	1.2	NE
11/1/2023 14:05:00	51.5	41.0	-10.5	0.00	0.01	0.01	1.2	NNW
11/1/2023 14:06:00	50.1	41.3	-8.8	0.00	0.01	0.01	1.2	ENE
11/1/2023 14:07:00	49.2	41.7	-7.5	0.00	0.01	0.01	1.2	ENE
11/1/2023 14:08:00	46.6	39.5	-7.1	0.00	0.01	0.00	1.3	WNW
11/1/2023 14:09:00	42.6	38.9	-3.8	0.00	0.01	0.00	1.3	NE
11/1/2023 14:10:00	42.0	37.0	-5.0	0.00	0.00	0.00	1.4	E
11/1/2023 14:11:00	38.3	36.2	-2.1	0.00	0.00	0.00	1.3	ENE
11/1/2023 14:12:00	35.5	35.0	-0.5	0.00	0.00	0.00	1.4	NE
11/1/2023 14:13:00	32.8	35.5	2.7	0.00	0.00	0.00	1.4	NE
11/1/2023 14:14:00	27.0	30.9	3.9	0.00	0.01	0.01	1.4	NNE
11/1/2023 14:15:00	25.1	25.9	0.8	0.00	0.01	0.01	1.3	ENE
11/1/2023 14:16:00	23.3	23.1	-0.3	0.00	0.01	0.01	1.3	N
11/1/2023 14:17:00	18.9	23.8	5.0	0.00	0.01	0.01	1.4	WSW
11/1/2023 14:18:00	14.5	21.6	7.1	0.00	0.01	0.01	1.4	WNW
11/1/2023 14:19:00	9.7	20.3	10.6	0.00	0.01	0.01	1.4	E
11/1/2023 14:20:00	7.5	20.1	12.6	0.00	0.01	0.01	1.4	ENE
11/1/2023 14:21:00	7.9	19.5	11.6	0.00	0.01	0.01	1.4	N
11/1/2023 14:22:00	7.8	18.5	10.7	0.00	0.01	0.01	1.4	NW
11/1/2023 14:23:00	7.3	18.6	11.3	0.00	0.01	0.01	1.4	NNW
11/1/2023 14:24:00	10.5	18.6	8.1	0.00	0.01	0.01	1.4	NE
11/1/2023 14:25:00	11.1	18.0	6.9	0.00	0.01	0.01	1.4	E
11/1/2023 14:26:00	11.1	17.3	6.2	0.00	0.01	0.01	1.4	NW
11/1/2023 14:27:00	11.1	15.2	4.1	0.00	0.01	0.01	1.4	N
11/1/2023 14:28:00	11.2	10.8	-0.4	0.00	0.01	0.01	1.4	WNW
11/1/2023 14:29:00	11.9	9.6	-2.3	0.00	0.01	0.00	1.5	NNW
11/1/2023 14:30:00	15.3	10.1	-5.2	0.00	0.01	0.00	1.5	N
11/1/2023 14:31:00	17.8	10.7	-7.0	0.00	0.00	0.00	1.5	NNE
11/1/2023 14:32:00	17.6	8.3	-9.4	0.00	0.01	0.00	1.5	NW
11/1/2023 14:33:00	19.2	8.3	-11.0	0.00	0.01	0.00	1.5	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
11/1/2023 14:34:00	21.6	8.4	-13.2	0.00	0.01	0.00	1.5	NNE
11/1/2023 14:35:00	21.6	8.5	-13.2	0.00	0.01	0.00	1.5	W
11/1/2023 14:36:00	23.0	8.5	-14.5	0.00	0.01	0.00	1.5	NE
11/1/2023 14:37:00	28.2	8.7	-19.4	0.00	0.01	0.00	1.5	NNE
11/1/2023 14:38:00	32.4	9.0	-23.4	0.00	0.01	0.00	1.4	N
11/1/2023 14:39:00	29.8	14.2	-15.6	0.00	0.01	0.00	1.4	NW
11/1/2023 14:40:00	29.8	14.6	-15.2	0.00	0.00	0.00	1.4	NW
11/1/2023 14:41:00	30.1	15.1	-14.9	0.00	0.00	0.00	1.4	WNW
11/1/2023 14:42:00	30.5	15.2	-15.3	0.00	0.00	0.00	1.4	WNW
11/1/2023 14:43:00	30.3	15.1	-15.2	0.00	0.00	0.00	1.4	W
11/1/2023 14:44:00	29.3	14.8	-14.5	0.00	0.00	0.00	1.4	W
11/1/2023 14:45:00	25.8	14.2	-11.5	0.00	0.00	0.00	1.4	N
11/1/2023 14:46:00	23.2	13.4	-9.8	0.00	0.00	0.00	1.4	NW
11/1/2023 14:47:00	23.2	13.0	-10.2	0.00	0.00	0.00	1.4	NW
11/1/2023 14:48:00	21.2	13.0	-8.3	0.00	0.00	0.00	1.5	ENE
11/1/2023 14:49:00	18.8	13.0	-5.8	0.00	0.00	0.00	1.5	E
11/1/2023 14:50:00	18.5	12.7	-5.8	0.00	0.00	0.00	1.4	W
11/1/2023 14:51:00	16.6	12.2	-4.3	0.00	0.00	0.00	1.4	W
11/1/2023 14:52:00	11.3	11.6	0.2	0.00	0.00	0.00	1.4	WNW
11/1/2023 14:53:00	6.9	11.2	4.3	0.00	0.00	0.00	1.4	ENE
11/1/2023 14:54:00	6.4	6.0	-0.4	0.00	0.00	0.00	1.4	N
11/1/2023 14:55:00	5.7	6.0	0.3	0.00	0.00	0.00	1.5	ENE
11/1/2023 14:56:00	5.3	7.4	2.1	0.00	0.00	0.00	1.5	NE
11/1/2023 14:57:00	5.1	7.6	2.5	0.00	0.00	0.00	1.4	NW
11/1/2023 14:58:00	5.1	7.9	2.8	0.00	0.00	0.00	1.4	E
11/1/2023 14:59:00				0.00	0.00	0.00	1.3	NNW
11/1/2023 15:00:00				0.00	0.00	0.00	1.3	NNW
11/1/2023 15:01:00				0.00	0.00	0.00	1.3	NNE
11/1/2023 15:02:00	8.8	18.0	9.2	0.00	0.00	0.00	1.3	E
11/1/2023 15:03:00	8.2	12.8	4.6	0.00	0.01	0.01	1.2	NE
11/1/2023 15:04:00	9.0	9.7	0.7	0.00	0.01	0.01	1.2	ENE
11/1/2023 15:05:00	13.6	8.0	-5.6	0.00	0.01	0.01	1.3	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/1/2023 15:06:00	13.4	6.9	-6.5	0.00	0.01	0.01	1.3	NE
11/1/2023 15:07:00	12.6	6.1	-6.5	0.00	0.01	0.01	1.3	ENE
11/1/2023 15:08:00	11.8	5.5	-6.2	0.00	0.01	0.01	1.3	ENE
11/1/2023 15:09:00	11.5	5.3	-6.2	0.00	0.01	0.01	1.4	NNE
11/1/2023 15:10:00	11.2	5.2	-6.0	0.00	0.01	0.01	1.3	E
11/1/2023 15:11:00	10.7	4.9	-5.8	0.00	0.01	0.01	1.4	E
11/1/2023 15:12:00	10.5	4.7	-5.8	0.00	0.01	0.01	1.4	ENE
11/1/2023 15:13:00	10.0	4.5	-5.6	0.00	0.01	0.01	1.4	E
11/1/2023 15:14:00	9.6	4.3	-5.3	0.00	0.01	0.01	1.5	NNW
11/1/2023 15:15:00	9.3	4.2	-5.1	0.00	0.01	0.01	1.5	NE
11/1/2023 15:16:00	9.1	4.2	-5.0	0.00	0.01	0.01	1.5	ESE
11/1/2023 15:17:00	8.9	3.1	-5.8	0.00	0.00	0.00	1.5	E
11/1/2023 15:18:00	8.7	2.9	-5.8	0.00	0.00	0.00	1.5	NW
11/1/2023 15:19:00	8.4	2.9	-5.5	0.00	0.00	0.00	1.5	NE
11/1/2023 15:20:00	7.0	3.0	-4.0	0.00	0.00	0.00	1.4	ENE
11/1/2023 15:21:00	6.4	3.1	-3.3	0.00	0.00	0.00	1.4	NW
11/1/2023 15:22:00	6.0	3.3	-2.7	0.00	0.00	0.00	1.4	NNE
11/1/2023 15:23:00	5.8	3.4	-2.4	0.00	0.00	0.00	1.3	NE
11/1/2023 15:24:00	5.5	3.5	-2.1	0.00	0.00	0.00	1.4	N
11/1/2023 15:25:00	5.3	3.3	-1.9	0.00	0.00	0.00	1.3	ENE
11/1/2023 15:26:00	5.3	3.4	-1.8	0.00	0.00	0.00	1.3	E
11/1/2023 15:27:00	5.1	3.5	-1.6	0.00	0.00	0.00	1.3	ENE
11/1/2023 15:28:00	5.0	3.6	-1.4	0.00	0.00	0.00	1.2	NE
11/1/2023 15:29:00	5.0	3.5	-1.4	0.00	0.00	0.00	1.2	NNW
11/1/2023 15:30:00	4.8	3.5	-1.3	0.00	0.00	0.00	1.2	E
11/1/2023 15:31:00	4.7	3.5	-1.2	0.00	0.00	0.00	1.2	E
11/1/2023 15:32:00	4.7	3.5	-1.2	0.00	0.00	0.00	1.1	ENE
11/1/2023 15:33:00	4.9	3.4	-1.4	0.00	0.00	0.00	1.1	NNE
11/1/2023 15:34:00	5.0	3.5	-1.6	0.00	0.00	0.00	1.1	ENE
11/1/2023 15:35:00	5.0	3.6	-1.4	0.00	0.00	0.00	1.1	E
11/1/2023 15:36:00	5.1	3.7	-1.5	0.00	0.00	0.00	1.2	ESE
11/1/2023 15:37:00	5.2	3.6	-1.5	0.00	0.00	0.00	1.1	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
11/1/2023 15:38:00	5.4	3.7	-1.7	0.00	0.01	0.01	1.2	NNW
11/1/2023 15:39:00	5.5	3.6	-1.9	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:40:00	5.7	3.9	-1.8	0.00	0.01	0.01	1.2	E
11/1/2023 15:41:00	5.7	3.9	-1.8	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:42:00	5.5	4.0	-1.6	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:43:00	5.5	4.0	-1.5	0.00	0.01	0.01	1.1	NE
11/1/2023 15:44:00	5.4	4.2	-1.3	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:45:00	5.4	4.3	-1.2	0.00	0.01	0.01	1.1	NW
11/1/2023 15:46:00	5.4	4.4	-1.0	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:47:00	5.3	4.5	-0.8	0.00	0.01	0.01	1.1	NNW
11/1/2023 15:48:00	5.1	4.6	-0.5	0.00	0.01	0.01	1.2	N
11/1/2023 15:49:00	4.7	4.6	-0.1	0.00	0.01	0.01	1.1	NNW
11/1/2023 15:50:00	4.5	4.4	-0.1	0.00	0.01	0.01	1.1	E
11/1/2023 15:51:00	4.4	4.3	-0.1	0.00	0.01	0.01	1.1	WNW
11/1/2023 15:52:00	4.3	4.2	-0.1	0.00	0.01	0.01	1.1	WNW
11/1/2023 15:53:00	4.1	4.3	0.2	0.00	0.01	0.01	1.1	ENE
11/1/2023 15:54:00	3.8	4.5	0.7	0.00	0.01	0.01	1.1	NE
11/1/2023 15:55:00	3.5	5.0	1.5	0.00	0.01	0.01	1.1	NNW
11/1/2023 15:56:00	3.8	4.9	1.2	0.00	0.01	0.01	1.2	WNW
11/1/2023 15:57:00	3.8	5.2	1.4	0.00	0.01	0.01	1.2	ENE
11/1/2023 15:58:00	4.0	5.4	1.4	0.00	0.01	0.01	1.2	NW
11/1/2023 15:59:00	4.2	5.6	1.5	0.00	0.01	0.01	1.2	W
11/1/2023 16:00:00	4.3	5.7	1.4	0.00	0.00	0.00	1.2	WNW
11/1/2023 16:01:00	4.9	5.7	0.9	0.00	0.00	0.00	1.2	NNW
11/1/2023 16:02:00	5.1	5.9	0.7	0.00	0.00	0.00	1.3	N
11/1/2023 16:03:00	5.3	6.3	1.0	0.00	0.00	0.00	1.3	N
11/1/2023 16:04:00	5.6	6.5	0.9	0.00	0.00	0.00	1.4	NNW
11/1/2023 16:05:00	5.8	6.7	0.9	0.00	0.00	0.00	1.3	WNW
11/1/2023 16:06:00	6.0	6.7	0.7	0.00	0.00	0.00	1.3	ENE
11/1/2023 16:07:00	6.1	6.7	0.6	0.00	0.00	0.00	1.3	NNW
11/1/2023 16:08:00	6.3	6.5	0.2	0.00	0.00	0.00	1.3	ENE
11/1/2023 16:09:00	6.4	6.3	-0.2	0.00	0.00	0.00	1.3	E

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
11/1/2023 16:10:00	6.5	5.6	-1.0	0.00	0.00	0.00	1.3	E
11/1/2023 16:11:00	6.2	5.6	-0.7	0.00	0.00	0.00	1.3	E
11/1/2023 16:12:00	6.3	5.3	-1.0	0.00	0.00	0.00	1.3	ENE
11/1/2023 16:13:00	6.3	5.2	-1.1	0.00	0.00	0.00	1.3	E
11/1/2023 16:14:00	6.3	5.0	-1.4	0.00	0.00	0.00	1.3	NNE
11/1/2023 16:15:00	6.4	4.9	-1.5	0.00	0.00	0.00	1.2	NE
11/1/2023 16:16:00	5.9	5.0	-0.9	0.00	0.00	0.00	1.2	E
11/1/2023 16:17:00	5.7	4.8	-0.9	0.00	0.00	0.00	1.1	ENE
11/1/2023 16:18:00	5.7	4.2	-1.5	0.00	0.00	0.00	1.2	NW
11/1/2023 16:19:00	5.7	4.1	-1.6	0.00	0.00	0.00	1.2	ENE
11/1/2023 16:20:00	5.7	4.0	-1.7	0.00	0.00	0.00	1.2	WNW
11/1/2023 16:21:00	5.6	4.0	-1.5	0.00	0.00	0.00	1.2	NNW
11/1/2023 16:22:00	5.5	4.1	-1.4	0.00	0.00	0.00	1.3	E
11/1/2023 16:23:00	5.4	4.4	-1.0	0.00	0.00	0.00	1.3	E
11/1/2023 16:24:00	5.4	4.6	-0.8	0.00	0.00	0.00	1.3	E
11/1/2023 16:25:00	5.4	4.8	-0.6	0.00	0.00	0.00	1.3	E
11/1/2023 16:26:00	5.4	4.9	-0.6	0.00	0.00	0.00	1.3	E
11/1/2023 16:27:00	5.4	4.9	-0.5	0.00	0.00	0.00	1.3	E
11/1/2023 16:28:00	5.3	4.8	-0.5	0.00	0.00	0.00	1.3	N
11/1/2023 16:29:00	5.2	4.8	-0.4	0.00	0.00	0.00	1.3	E
11/1/2023 16:30:00	5.0	4.8	-0.2	0.00	0.00	0.00	1.3	WNW
11/1/2023 16:31:00	5.0	4.7	-0.3	0.00	0.00	0.00	1.4	NE
11/1/2023 16:32:00	5.0	4.6	-0.4	0.00	0.00	0.00	1.5	E
11/1/2023 16:33:00	4.9	4.6	-0.3	0.00	0.00	0.00	1.4	ENE
11/1/2023 16:34:00	4.8	4.7	-0.2	0.00	0.00	0.00	1.4	NW
11/1/2023 16:35:00	4.7	4.7	0.0	0.00	0.00	0.00	1.5	ENE
11/1/2023 16:36:00	4.7	4.8	0.1	0.00	0.00	0.00	1.4	NNE
11/1/2023 16:37:00	4.7	4.8	0.1	0.00	0.00	0.00	1.3	E
11/1/2023 16:38:00	4.8	4.7	-0.1	0.00	0.00	0.00	1.3	NE
11/1/2023 16:39:00	4.8	4.8	0.0	0.00	0.00	0.00	1.3	E
11/1/2023 16:40:00	4.8	4.9	0.1	0.00	0.00	0.00	1.3	NE
11/1/2023 16:41:00	4.8	4.9	0.1	0.00	0.00	0.00	1.2	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
11/1/2023 16:42:00	4.8	4.9	0.1	0.00	0.00	0.00	1.2	WNW
11/1/2023 16:43:00	4.8	5.0	0.2	0.00	0.00	0.00	1.2	SSE
11/1/2023 16:44:00	4.7	4.9	0.2	0.00	0.00	0.00	1.2	E
11/1/2023 16:45:00	4.8	4.9	0.1	0.00	0.00	0.00	1.2	ESE
11/1/2023 16:46:00	4.8	5.1	0.3	0.00	0.00	0.00	1.2	ESE
11/1/2023 16:47:00	4.9	5.4	0.5	0.00	0.00	0.00	1.1	E
11/1/2023 16:48:00	4.8	5.5	0.8	0.00	0.00	0.00	1.1	ENE
11/1/2023 16:49:00	4.8	5.6	0.9	0.00	0.00	0.00	1.1	ESE
11/1/2023 16:50:00	4.8	5.5	0.8	0.00	0.00	0.00	1.2	NNW
11/1/2023 16:51:00	4.8	5.5	0.7	0.00	0.00	0.00	1.2	WSW
11/1/2023 16:52:00	4.7	5.6	0.8	0.00	0.00	0.00	1.3	W
11/1/2023 16:53:00	4.6	5.5	0.9	0.00	0.00	0.00	1.3	W
11/1/2023 16:54:00	4.5	5.3	0.8	0.00	0.00	0.00	1.3	ENE
11/1/2023 16:55:00	4.5	5.1	0.6	0.00	0.00	0.00	1.3	NNW
11/1/2023 16:56:00	4.4	4.9	0.5	0.00	0.00	0.00	1.4	ENE
11/1/2023 16:57:00	4.4	4.8	0.5	0.00	0.00	0.00	1.4	NE
11/1/2023 16:58:00	4.4	4.7	0.3	0.00	0.00	0.00	1.4	NNE
11/1/2023 16:59:00				0.00	0.00	0.00	1.4	ENE
11/1/2023 17:00:00	2.4	3.0	0.6	0.00	0.00	0.00	1.4	NW
11/1/2023 17:01:00	2.6	3.8	1.2	0.00	0.00	0.00	1.4	ENE
11/1/2023 17:02:00	2.9	4.3	1.4	0.00	0.00	0.00	1.3	E
11/1/2023 17:03:00	2.9	4.3	1.4	0.00	0.00	0.00	1.3	NNW
11/1/2023 17:04:00	3.0	4.3	1.3	0.00	0.00	0.00	1.3	ENE
11/1/2023 17:05:00	3.0	4.2	1.1	0.00	0.00	0.00	1.2	NNW
11/1/2023 17:06:00	3.1	4.1	1.0	0.00	0.00	0.00	1.1	N
11/1/2023 17:07:00	3.1	4.0	0.9	0.00	0.00	0.00	1.1	E
11/1/2023 17:08:00	3.1	3.9	0.8	0.00	0.00	0.00	1.2	ENE
11/1/2023 17:09:00	3.1	3.9	0.8	0.00	0.00	0.00	1.2	N
11/1/2023 17:10:00	3.3	3.9	0.6	0.00	0.00	0.00	1.2	NNE
11/1/2023 17:11:00	3.4	4.1	0.7	0.00	0.00	0.00	1.2	W
11/1/2023 17:12:00	3.5	4.0	0.6	0.00	0.00	0.00	1.2	W
11/1/2023 17:13:00	3.5	4.0	0.5	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
11/1/2023 17:14:00	3.5	3.9	0.5	0.00	0.00	0.00	1.2	E
11/1/2023 17:15:00	3.5	3.9	0.4	0.00	0.00	0.00	1.2	NE
11/1/2023 17:16:00	3.5	3.8	0.3	0.00	0.00	0.00	1.2	NE
11/1/2023 17:17:00	3.5	3.7	0.2	0.00	0.00	0.00	1.2	NE
11/1/2023 17:18:00	3.5	3.6	0.1	0.00	0.00	0.00	1.3	E
11/1/2023 17:19:00	3.5	3.5	0.0	0.00	0.00	0.00	1.2	ENE