

DAILY FIELD REPORT 045

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	August 8, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 4:15 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
Construction Manager: Consigli Construction Co., Inc. (Consigli)	
Foundation Contractor: Urban Foundation/Engineering (Urban)	

Work Activities Performed:

- Urban excavated two about 20-foot-long by 15-foot-wide areas to about 5 feet below grade surface (bgs) in the southern part of waste characterization grid WC03_0-5 for the installation of caisson casings. Excavated soil/fill was added to the previously existing stockpile in the central part of grid WC02 and covered with polyethylene sheeting, pending off-site disposal.
- Urban excavated an about 35-foot-long by 10-foot-wide area from about 4 feet bgs to about 7 feet bgs in the northern part of waste characterization grid WC03_0-5 and WC03_5-10 to prepare for the installation of caisson casings. Excavated soil/fill was added to the previously existing stockpile in the central part of grid WC02 and covered with polyethene sheeting at the end of the day, pending off-site disposal.
- Urban graded an about 100-foot-long by 40-foot-wide area of soil/fill in the western part of waste characterization grid WC02 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.
- During routine refueling of a drill rig, Urban released less than 5 gallons of fuel oil onto the underlying concrete-paved sidewalk in the southwestern part of the site. Absorbent pads and booms were immediately applied to the area and the release was stopped and contained. No odors or elevated PID readings were observed on the underlying concrete pavement following the cleanup.
- Urban installed two caisson casings using a CAT00 Custom Build 3Double L drilling rig in the central part of the site.
- Urban drilled one rock socket for one caisson using a Bauer BG 28H drilling rig in the eastern part of the site.

Material Tracking:

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

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		3	60	0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	58	1,160	29	580	0	-	14	280

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

Samples Collected:

- No samples were collected.
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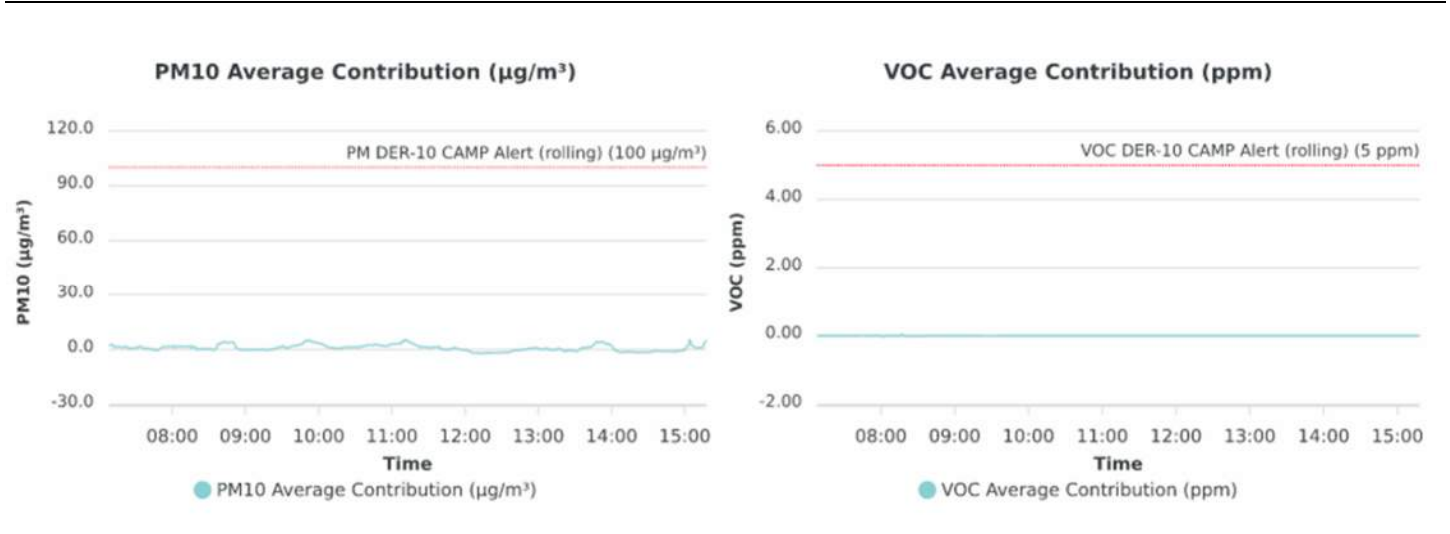
Air Monitoring:

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	8.0	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-2.0	VOC Average Site Contribution (Minimum)	-0.004
PM10 Average Site Contribution (Maximum)	5.4	VOC Average Site Contribution (Maximum)	0.04

µg/m³: micrograms per cubic meter.

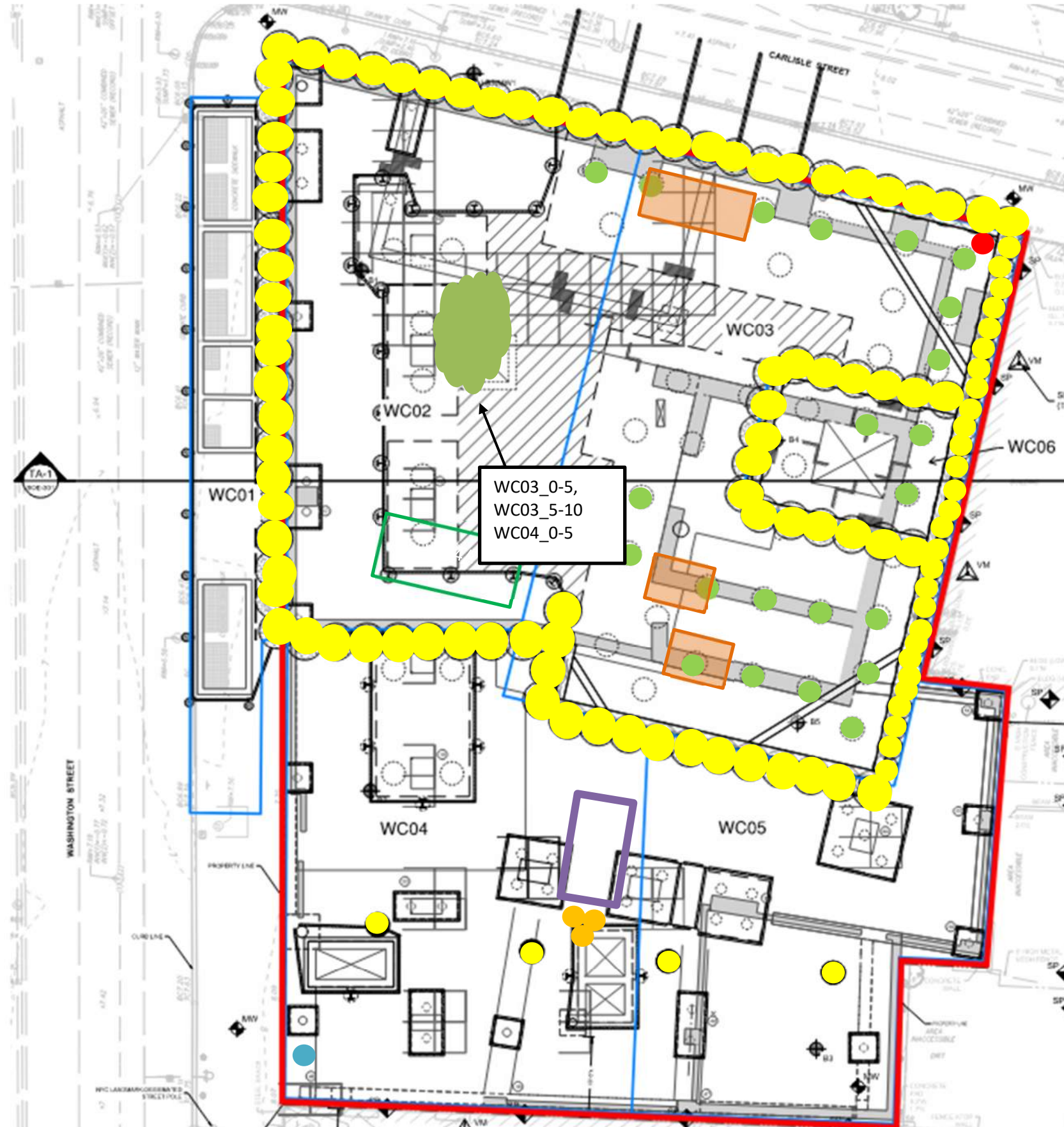
ppm: parts per million.



Planned Activities:

- Urban will continue installing caisson casings throughout the site.
- Urban will export soil/fill from WC03_0-5 and WC03_5-10.
- Urban will begin advancing three cores through the previously installed in-situ stabilization (ISS) columns for sampling and analysis.

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 WC03 (facing south).



Photo 3: View of CAMP Station 1 (next to the fence) in the northeastern part of the site (facing northeast).



Photo 4: View of CAMP Station 2 in the southwestern 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).



LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	8/8/2023 00:00
		To:	8/8/2023 23:59
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

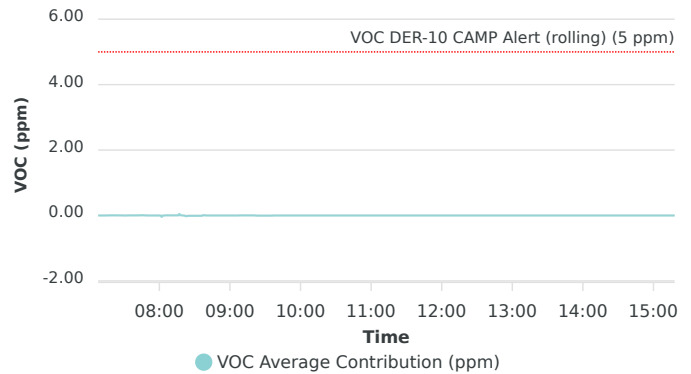
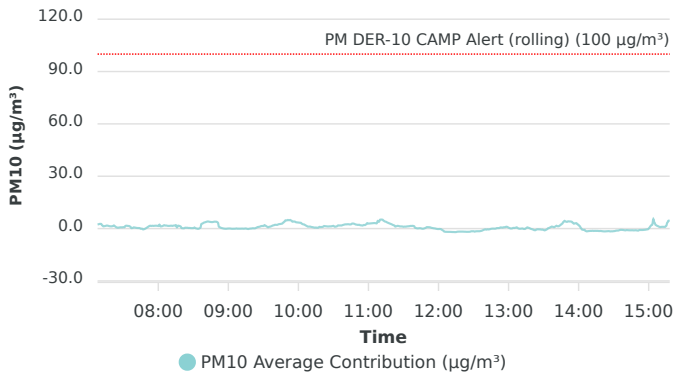
Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
8/8/2023	0.2-6.4	E

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 8/8/2023	-2.0	12:14	-0.04	08:02
Max Contribution (15 min avg.) - 8/8/2023	5.4	15:04	0.04	08:17

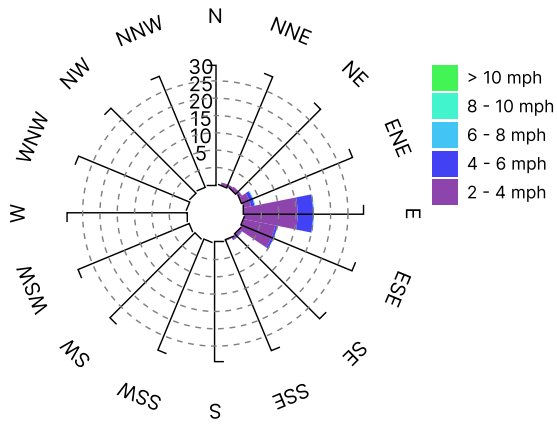


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 07:08:00	8.0	10.3	2.3	0.00	0.00	0.00	0.5	E
8/8/2023 07:09:00	7.2	9.7	2.5	0.00	0.00	0.00	0.6	ESE
8/8/2023 07:10:00	6.5	9.2	2.7	0.00	0.00	0.00	0.6	ESE
8/8/2023 07:11:00	6.0	8.6	2.7	0.00	0.00	0.00	0.6	ENE
8/8/2023 07:12:00	6.0	7.8	1.8	0.00	0.00	0.00	0.6	W
8/8/2023 07:13:00	6.0	7.2	1.3	0.00	0.00	0.00	0.6	WSW
8/8/2023 07:14:00	5.7	7.1	1.4	0.00	0.00	0.00	0.6	SE
8/8/2023 07:15:00	5.5	7.1	1.6	0.00	0.00	0.00	0.7	E
8/8/2023 07:16:00	5.4	7.1	1.7	0.00	0.00	0.00	0.7	ESE
8/8/2023 07:17:00	5.7	7.3	1.6	0.00	0.00	0.00	0.7	ESE
8/8/2023 07:18:00	6.1	7.5	1.4	0.00	0.00	0.00	0.8	E
8/8/2023 07:19:00	6.2	7.5	1.3	0.00	0.00	0.00	0.8	NNW
8/8/2023 07:20:00	6.3	7.6	1.3	0.00	0.01	0.01	0.8	ENE
8/8/2023 07:21:00	6.5	7.9	1.4	0.00	0.01	0.01	0.8	ESE
8/8/2023 07:22:00	6.6	8.4	1.8	0.00	0.01	0.01	0.8	E
8/8/2023 07:23:00	7.1	8.3	1.3	0.00	0.01	0.01	0.8	NW
8/8/2023 07:24:00	7.5	8.3	0.8	0.00	0.01	0.00	0.9	NW
8/8/2023 07:25:00	8.0	8.5	0.5	0.00	0.01	0.00	0.9	NW
8/8/2023 07:26:00	8.3	8.9	0.6	0.00	0.01	0.00	0.9	NNE
8/8/2023 07:27:00	8.7	9.3	0.7	0.00	0.01	0.00	0.8	NW
8/8/2023 07:28:00	9.2	9.9	0.8	0.00	0.01	0.00	0.8	NW
8/8/2023 07:29:00	9.6	10.3	0.7	0.00	0.01	0.00	0.9	NW
8/8/2023 07:30:00	9.8	10.6	0.8	0.01	0.01	0.00	0.8	NW
8/8/2023 07:31:00	10.1	10.9	0.8	0.01	0.01	0.00	0.8	WNW
8/8/2023 07:32:00	10.1	11.7	1.6	0.01	0.01	0.00	0.8	NNE
8/8/2023 07:33:00	10.1	11.7	1.6	0.01	0.01	0.00	0.7	NE
8/8/2023 07:34:00	10.3	11.8	1.5	0.01	0.01	0.00	0.8	E
8/8/2023 07:35:00	10.3	11.8	1.5	0.01	0.01	0.00	0.8	E
8/8/2023 07:36:00	10.5	11.6	1.1	0.01	0.01	0.00	0.8	E
8/8/2023 07:37:00	10.7	11.0	0.3	0.01	0.01	0.00	0.8	E
8/8/2023 07:38:00	10.4	10.8	0.3	0.01	0.01	0.00	0.8	NNE
8/8/2023 07:39:00	10.0	10.7	0.7	0.01	0.01	0.00	0.8	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
8/8/2023 07:40:00	9.8	10.4	0.6	0.01	0.01	0.00	0.8	NW
8/8/2023 07:41:00	9.6	10.0	0.4	0.01	0.01	0.00	0.8	NNW
8/8/2023 07:42:00	9.3	9.6	0.3	0.01	0.01	0.01	0.8	NE
8/8/2023 07:43:00	8.8	9.1	0.3	0.01	0.01	0.01	0.8	N
8/8/2023 07:44:00	8.6	8.8	0.3	0.01	0.01	0.01	0.8	NW
8/8/2023 07:45:00	8.5	8.4	-0.1	0.00	0.01	0.01	1.0	E
8/8/2023 07:46:00	8.3	8.2	-0.1	0.00	0.01	0.01	1.0	E
8/8/2023 07:47:00	8.0	7.5	-0.5	0.00	0.01	0.01	1.0	NE
8/8/2023 07:48:00	7.7	7.4	-0.3	0.00	0.00	0.00	1.0	SE
8/8/2023 07:49:00	7.3	7.3	0.0	0.00	0.00	0.00	1.0	E
8/8/2023 07:50:00	7.1	7.5	0.4	0.00	0.00	0.00	1.0	ESE
8/8/2023 07:51:00	6.7	7.5	0.9	0.00	0.00	0.00	1.0	ENE
8/8/2023 07:52:00	6.3	7.6	1.3	0.00	0.00	0.00	1.0	ENE
8/8/2023 07:53:00	6.1	7.7	1.6	0.00	0.00	0.00	1.1	ENE
8/8/2023 07:54:00	6.1	7.6	1.5	0.00	0.00	0.00	1.1	NE
8/8/2023 07:55:00	6.0	7.6	1.6	0.00	0.00	0.00	1.1	ESE
8/8/2023 07:56:00	6.1	7.7	1.5	0.00	0.00	0.00	1.1	WNW
8/8/2023 07:57:00	6.0	7.7	1.6	0.00	0.00	0.00	1.1	WNW
8/8/2023 07:58:00	6.0	7.7	1.6	0.00	0.00	0.00	1.1	NNW
8/8/2023 07:59:00	6.0	7.7	1.6	0.00	0.00	0.00	1.1	E
8/8/2023 08:00:00	6.2	7.7	1.5	0.00	0.00	0.00	0.9	NNW
8/8/2023 08:01:00	6.3	8.5	2.2	0.00	0.00	0.00	0.9	NW
8/8/2023 08:02:00	7.0	8.2	1.3	0.04	0.00	-0.04	0.8	N
8/8/2023 08:03:00	7.0	8.3	1.3	0.04	0.04	-0.01	0.8	NW
8/8/2023 08:04:00	7.1	8.7	1.6	0.04	0.04	0.00	0.8	NW
8/8/2023 08:05:00	7.3	9.2	1.9	0.04	0.05	0.00	0.7	WNW
8/8/2023 08:06:00	7.4	9.1	1.7	0.04	0.05	0.01	0.7	WNW
8/8/2023 08:07:00	7.4	9.1	1.7	0.04	0.05	0.01	0.6	NW
8/8/2023 08:08:00	7.5	9.0	1.6	0.04	0.05	0.01	0.6	N
8/8/2023 08:09:00	7.5	9.1	1.5	0.04	0.05	0.00	0.6	E
8/8/2023 08:10:00	7.5	9.1	1.6	0.04	0.05	0.00	0.6	ESE
8/8/2023 08:11:00	7.5	9.2	1.7	0.04	0.05	0.00	0.6	ESE
8/8/2023 08:12:00	7.8	9.3	1.5	0.04	0.05	0.00	0.7	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 08:13:00	7.8	9.5	1.7	0.04	0.05	0.01	0.8	E
8/8/2023 08:14:00	7.8	9.5	1.8	0.04	0.05	0.01	0.9	ESE
8/8/2023 08:15:00	7.5	9.5	2.0	0.04	0.05	0.00	0.9	NNW
8/8/2023 08:16:00	7.8	8.6	0.7	0.04	0.05	0.01	0.9	NW
8/8/2023 08:17:00	7.4	9.1	1.7	0.00	0.05	0.04	0.9	ENE
8/8/2023 08:18:00	7.5	9.0	1.5	0.00	0.01	0.01	1.0	E
8/8/2023 08:19:00	7.6	8.9	1.3	0.00	0.01	0.00	1.1	E
8/8/2023 08:20:00	8.0	8.2	0.3	0.00	0.00	0.00	1.1	ESE
8/8/2023 08:21:00	8.2	8.3	0.2	0.00	0.00	0.00	1.1	E
8/8/2023 08:22:00	8.4	8.6	0.1	0.02	0.00	-0.02	1.2	ESE
8/8/2023 08:23:00	8.4	8.8	0.5	0.02	0.00	-0.02	1.2	ESE
8/8/2023 08:24:00	8.4	8.9	0.5	0.02	0.01	-0.01	1.2	WNW
8/8/2023 08:25:00	8.5	8.9	0.5	0.02	0.01	-0.01	1.1	W
8/8/2023 08:26:00	8.4	8.8	0.3	0.02	0.01	-0.01	1.1	NW
8/8/2023 08:27:00	8.4	8.8	0.3	0.02	0.01	-0.01	1.1	NNW
8/8/2023 08:28:00	8.4	8.7	0.3	0.02	0.01	-0.01	1.0	E
8/8/2023 08:29:00	8.4	8.7	0.3	0.02	0.01	-0.01	1.0	E
8/8/2023 08:30:00	8.4	8.7	0.3	0.02	0.01	-0.01	1.0	NNE
8/8/2023 08:31:00	8.0	8.6	0.6	0.02	0.01	-0.01	1.0	SE
8/8/2023 08:32:00	7.9	8.0	0.2	0.02	0.01	-0.01	1.0	WNW
8/8/2023 08:33:00	7.8	7.8	0.0	0.02	0.01	-0.01	0.9	NW
8/8/2023 08:34:00	7.8	7.6	-0.2	0.02	0.01	-0.01	0.8	N
8/8/2023 08:35:00	7.4	7.4	0.0	0.02	0.01	-0.01	0.8	NNW
8/8/2023 08:36:00	7.1	7.5	0.4	0.02	0.01	-0.01	0.8	NNW
8/8/2023 08:37:00	6.8	9.4	2.7	0.01	0.01	0.01	0.7	SE
8/8/2023 08:38:00	6.7	9.6	3.0	0.00	0.01	0.01	0.7	SSE
8/8/2023 08:39:00	6.4	9.8	3.4	0.00	0.00	0.00	0.7	ENE
8/8/2023 08:40:00	6.3	9.9	3.6	0.00	0.00	0.00	0.8	SE
8/8/2023 08:41:00	6.3	10.1	3.8	0.00	0.00	0.00	0.7	NNW
8/8/2023 08:42:00	6.2	10.2	4.0	0.00	0.00	0.00	0.8	N
8/8/2023 08:43:00	6.2	10.2	4.0	0.00	0.00	0.00	0.7	E
8/8/2023 08:44:00	6.3	10.2	3.9	0.00	0.00	0.00	0.7	E
8/8/2023 08:45:00	6.4	10.1	3.8	0.00	0.00	0.00	0.7	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 08:46:00	6.5	10.2	3.7	0.00	0.00	0.00	0.8	ENE
8/8/2023 08:47:00	6.5	10.3	3.8	0.00	0.00	0.00	0.8	WNW
8/8/2023 08:48:00	6.4	10.3	4.0	0.00	0.00	0.00	0.8	NW
8/8/2023 08:49:00	6.3	10.3	4.0	0.00	0.00	0.00	0.8	NE
8/8/2023 08:50:00	6.3	10.2	3.9	0.00	0.00	0.00	0.8	ESE
8/8/2023 08:51:00	6.3	9.8	3.5	0.00	0.00	0.00	0.8	N
8/8/2023 08:52:00	6.5	7.5	1.0	0.00	0.00	0.00	0.9	NNW
8/8/2023 08:53:00	6.5	7.2	0.7	0.00	0.00	0.00	0.9	NW
8/8/2023 08:54:00	6.6	6.9	0.3	0.00	0.00	0.00	1.0	E
8/8/2023 08:55:00	6.5	6.7	0.2	0.00	0.00	0.00	1.0	E
8/8/2023 08:56:00	6.3	6.3	0.0	0.00	0.00	0.00	1.0	E
8/8/2023 08:57:00	6.2	6.1	-0.1	0.00	0.00	0.00	1.1	ENE
8/8/2023 08:58:00	6.0	5.9	-0.1	0.00	0.00	0.00	1.1	E
8/8/2023 08:59:00	5.8	5.8	0.0	0.00	0.00	0.00	1.1	E
8/8/2023 09:00:00	5.7	5.7	0.0	0.00	0.00	0.00	1.1	E
8/8/2023 09:01:00	5.5	5.6	0.1	0.00	0.00	0.00	1.1	ESE
8/8/2023 09:02:00	5.4	5.4	0.0	0.00	0.00	0.00	1.1	ENE
8/8/2023 09:03:00	5.4	5.3	-0.1	0.00	0.00	0.00	1.1	NE
8/8/2023 09:04:00	5.3	5.2	-0.1	0.00	0.00	0.00	1.2	E
8/8/2023 09:05:00	5.3	5.2	-0.1	0.00	0.00	0.00	1.1	NW
8/8/2023 09:06:00	5.2	5.1	-0.1	0.00	0.00	0.00	1.2	ENE
8/8/2023 09:07:00	5.0	5.0	0.1	0.00	0.00	0.00	1.1	N
8/8/2023 09:08:00	4.9	4.8	-0.1	0.00	0.00	0.00	1.1	E
8/8/2023 09:09:00	4.8	4.7	0.0	0.00	0.00	0.00	1.1	ENE
8/8/2023 09:10:00	4.8	4.7	-0.1	0.00	0.00	0.00	1.0	WNW
8/8/2023 09:11:00	4.8	4.7	0.0	0.00	0.00	0.00	1.0	WNW
8/8/2023 09:12:00	4.8	4.7	0.0	0.00	0.00	0.00	0.9	NW
8/8/2023 09:13:00	4.9	4.8	-0.1	0.00	0.00	0.00	0.9	ESE
8/8/2023 09:14:00	5.0	4.9	0.0	0.00	0.00	0.00	0.8	WNW
8/8/2023 09:15:00	5.1	5.1	0.1	0.00	0.00	0.00	0.8	WNW
8/8/2023 09:16:00	5.4	5.2	-0.1	0.00	0.00	0.00	0.8	NW
8/8/2023 09:17:00	5.6	5.3	-0.3	0.00	0.00	0.00	0.8	NW
8/8/2023 09:18:00	5.7	5.6	-0.1	0.00	0.00	0.00	0.8	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
8/8/2023 09:19:00	5.8	5.8	0.0	0.00	0.00	0.00	0.8	E
8/8/2023 09:20:00	5.8	5.8	0.1	0.00	0.00	0.00	0.8	ENE
8/8/2023 09:21:00	5.8	6.0	0.2	0.00	0.00	0.00	0.8	SE
8/8/2023 09:22:00	5.9	6.0	0.1	0.01	0.00	0.00	0.8	NW
8/8/2023 09:23:00	6.0	6.1	0.2	0.01	0.00	0.00	0.8	NNE
8/8/2023 09:24:00	6.1	6.6	0.5	0.01	0.00	-0.01	0.8	NNE
8/8/2023 09:25:00	6.2	7.1	0.8	0.01	0.00	-0.01	0.8	ENE
8/8/2023 09:26:00	6.5	7.5	1.0	0.01	0.00	-0.01	0.9	ENE
8/8/2023 09:27:00	6.7	7.8	1.1	0.01	0.00	-0.01	0.9	NNW
8/8/2023 09:28:00	6.7	8.1	1.4	0.01	0.00	-0.01	0.9	ENE
8/8/2023 09:29:00	6.7	8.2	1.5	0.01	0.00	-0.01	1.0	ESE
8/8/2023 09:30:00	6.5	8.0	1.5	0.01	0.00	-0.01	1.2	E
8/8/2023 09:31:00	6.2	8.2	1.9	0.01	0.00	-0.01	1.2	ENE
8/8/2023 09:32:00	6.5	8.1	1.6	0.01	0.00	-0.01	1.2	W
8/8/2023 09:33:00	6.6	7.8	1.1	0.01	0.00	-0.01	1.2	NNW
8/8/2023 09:34:00	6.9	7.6	0.8	0.01	0.00	-0.01	1.2	S
8/8/2023 09:35:00	6.9	7.9	1.0	0.01	0.00	-0.01	1.3	ESE
8/8/2023 09:36:00	6.8	8.0	1.1	0.01	0.00	-0.01	1.3	E
8/8/2023 09:37:00	6.7	8.1	1.4	0.00	0.00	0.00	1.3	ENE
8/8/2023 09:38:00	6.6	8.4	1.8	0.00	0.00	0.00	1.4	ENE
8/8/2023 09:39:00	6.5	8.4	1.9	0.00	0.00	0.00	1.5	E
8/8/2023 09:40:00	6.3	8.4	2.2	0.00	0.00	0.00	1.5	SE
8/8/2023 09:41:00	6.0	8.1	2.1	0.00	0.00	0.00	1.5	ESE
8/8/2023 09:42:00	5.7	7.8	2.1	0.00	0.00	0.00	1.5	E
8/8/2023 09:43:00	5.6	8.1	2.5	0.00	0.00	0.00	1.5	ESE
8/8/2023 09:44:00	5.6	8.2	2.6	0.00	0.00	0.00	1.4	ESE
8/8/2023 09:45:00	5.6	8.3	2.7	0.00	0.00	0.00	1.3	ESE
8/8/2023 09:46:00	5.6	8.4	2.8	0.00	0.00	0.00	1.3	SE
8/8/2023 09:47:00	5.2	8.6	3.4	0.00	0.00	0.00	1.3	N
8/8/2023 09:48:00	4.9	8.9	4.0	0.00	0.00	0.00	1.3	E
8/8/2023 09:49:00	4.6	9.3	4.7	0.00	0.00	0.00	1.5	E
8/8/2023 09:50:00	4.7	9.3	4.7	0.00	0.00	0.00	1.5	E
8/8/2023 09:51:00	4.6	9.6	4.9	0.00	0.00	0.00	1.6	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 09:52:00	4.8	9.6	4.8	0.00	0.00	0.00	1.6	NE
8/8/2023 09:53:00	4.9	9.9	4.9	0.00	0.00	0.00	1.6	ESE
8/8/2023 09:54:00	5.4	9.9	4.5	0.00	0.00	0.00	1.5	S
8/8/2023 09:55:00	5.5	9.4	4.0	0.00	0.00	0.00	1.5	ESE
8/8/2023 09:56:00	5.4	9.5	4.1	0.00	0.00	0.00	1.6	ENE
8/8/2023 09:57:00	5.4	9.4	4.0	0.00	0.00	0.00	1.6	ESE
8/8/2023 09:58:00	5.4	9.1	3.6	0.00	0.00	0.00	1.6	N
8/8/2023 09:59:00	5.4	8.9	3.5	0.00	0.00	0.00	1.6	NE
8/8/2023 10:00:00	5.3	8.8	3.5	0.00	0.00	0.00	1.6	SE
8/8/2023 10:01:00	5.3	8.7	3.4	0.00	0.00	0.00	1.8	E
8/8/2023 10:02:00	5.2	8.6	3.3	0.00	0.00	0.00	1.9	ESE
8/8/2023 10:03:00	5.5	8.3	2.8	0.00	0.00	0.00	1.9	WNW
8/8/2023 10:04:00	5.5	7.9	2.5	0.00	0.00	0.00	1.7	E
8/8/2023 10:05:00	5.3	7.6	2.3	0.00	0.00	0.00	1.6	NNE
8/8/2023 10:06:00	5.2	7.1	1.9	0.00	0.00	0.00	1.5	N
8/8/2023 10:07:00	5.3	6.8	1.5	0.00	0.00	0.00	1.5	SSE
8/8/2023 10:08:00	5.2	6.3	1.1	0.00	0.00	0.00	1.5	ENE
8/8/2023 10:09:00	4.6	5.8	1.1	0.00	0.00	0.00	1.6	ESE
8/8/2023 10:10:00	4.6	5.7	1.1	0.00	0.00	0.00	1.6	SE
8/8/2023 10:11:00	4.6	5.5	0.9	0.00	0.00	0.00	1.6	SE
8/8/2023 10:12:00	4.6	5.5	0.8	0.00	0.00	0.00	1.6	N
8/8/2023 10:13:00	4.6	5.3	0.7	0.00	0.00	0.00	1.6	ESE
8/8/2023 10:14:00	4.6	5.1	0.5	0.00	0.00	0.00	1.6	E
8/8/2023 10:15:00	4.6	5.2	0.6	0.00	0.00	0.00	1.6	ESE
8/8/2023 10:16:00	4.5	5.0	0.5	0.00	0.00	0.00	1.4	ESE
8/8/2023 10:17:00	4.5	5.0	0.5	0.00	0.00	0.00	1.4	SE
8/8/2023 10:18:00	4.2	5.2	1.0	0.00	0.00	0.00	1.4	E
8/8/2023 10:19:00	4.3	5.2	0.9	0.00	0.00	0.00	1.5	E
8/8/2023 10:20:00	4.3	5.2	0.9	0.00	0.00	0.00	1.6	E
8/8/2023 10:21:00	4.3	5.3	1.0	0.00	0.00	0.00	1.7	ESE
8/8/2023 10:22:00	4.0	5.5	1.5	0.00	0.00	0.00	1.7	ESE
8/8/2023 10:23:00	4.0	5.4	1.4	0.00	0.00	0.00	1.8	ESE
8/8/2023 10:24:00	4.0	5.3	1.3	0.00	0.00	0.00	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
8/8/2023 10:25:00	4.0	5.3	1.2	0.00	0.00	0.00	1.7	ESE
8/8/2023 10:26:00	4.0	5.2	1.2	0.00	0.00	0.00	1.7	SSE
8/8/2023 10:27:00	4.0	5.3	1.3	0.00	0.00	0.00	1.8	E
8/8/2023 10:28:00	4.0	5.2	1.3	0.00	0.00	0.00	1.7	SE
8/8/2023 10:29:00	3.9	5.4	1.4	0.00	0.00	0.00	1.7	ESE
8/8/2023 10:30:00	3.9	5.5	1.6	0.00	0.00	0.00	1.6	ESE
8/8/2023 10:31:00	4.3	5.4	1.1	0.00	0.00	0.00	1.6	NNW
8/8/2023 10:32:00	4.3	5.4	1.1	0.00	0.00	0.00	1.6	SE
8/8/2023 10:33:00	4.3	5.7	1.3	0.00	0.00	0.00	1.5	SE
8/8/2023 10:34:00	4.4	6.2	1.8	0.00	0.00	0.00	1.5	ESE
8/8/2023 10:35:00	4.4	6.1	1.8	0.00	0.00	0.00	1.3	SE
8/8/2023 10:36:00	4.4	6.2	1.8	0.00	0.00	0.00	1.3	ESE
8/8/2023 10:37:00	4.4	6.2	1.8	0.00	0.00	0.00	1.3	SE
8/8/2023 10:38:00	4.5	6.5	2.0	0.00	0.00	0.00	1.2	ESE
8/8/2023 10:39:00	4.5	6.8	2.2	0.00	0.00	0.00	1.2	ENE
8/8/2023 10:40:00	4.6	7.0	2.4	0.00	0.00	0.00	1.3	E
8/8/2023 10:41:00	4.6	7.0	2.4	0.00	0.00	0.00	1.5	E
8/8/2023 10:42:00	4.7	7.2	2.5	0.00	0.00	0.00	1.6	ENE
8/8/2023 10:43:00	4.8	7.3	2.5	0.00	0.00	0.00	1.7	ESE
8/8/2023 10:44:00	4.8	7.2	2.4	0.00	0.00	0.00	1.7	E
8/8/2023 10:45:00	4.8	7.2	2.4	0.00	0.00	0.00	1.7	ENE
8/8/2023 10:46:00	4.5	7.4	2.9	0.00	0.00	0.00	1.8	SE
8/8/2023 10:47:00	4.4	7.3	2.9	0.00	0.00	0.00	1.8	E
8/8/2023 10:48:00	4.3	7.0	2.7	0.00	0.00	0.00	1.8	ESE
8/8/2023 10:49:00	4.3	6.7	2.4	0.00	0.00	0.00	1.8	E
8/8/2023 10:50:00	4.3	6.6	2.2	0.00	0.00	0.00	2.0	E
8/8/2023 10:51:00	4.3	6.4	2.1	0.00	0.00	0.00	2.0	SE
8/8/2023 10:52:00	4.3	6.5	2.2	0.00	0.00	0.00	2.2	ENE
8/8/2023 10:53:00	4.3	6.3	1.9	0.00	0.00	0.00	2.2	SE
8/8/2023 10:54:00	4.3	6.1	1.8	0.00	0.00	0.00	2.2	E
8/8/2023 10:55:00	4.2	6.0	1.7	0.00	0.00	0.00	2.0	ESE
8/8/2023 10:56:00	4.2	6.2	2.1	0.00	0.00	0.00	2.0	E
8/8/2023 10:57:00	4.1	6.1	2.0	0.00	0.00	0.00	1.9	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
8/8/2023 10:58:00	4.1	6.5	2.4	0.00	0.00	0.00	1.9	ENE
8/8/2023 10:59:00	4.0	7.1	3.1	0.00	0.00	0.00	1.8	ESE
8/8/2023 11:00:00	4.0	6.8	2.9	0.00	0.00	0.00	1.9	E
8/8/2023 11:01:00				0.00	0.00	0.00	1.9	SE
8/8/2023 11:02:00				0.00	0.00	0.00	1.9	ENE
8/8/2023 11:03:00				0.00	0.00	0.00	1.9	S
8/8/2023 11:04:00				0.00	0.00	0.00	1.9	SSE
8/8/2023 11:05:00	3.8	7.0	3.2	0.00	0.00	0.00	1.7	ESE
8/8/2023 11:06:00	3.9	7.0	3.1	0.00	0.00	0.00	1.7	ENE
8/8/2023 11:07:00	4.0	7.0	3.0	0.00	0.00	0.00	1.6	E
8/8/2023 11:08:00	3.9	8.2	4.4	0.00	0.00	0.00	1.6	SE
8/8/2023 11:09:00	3.8	7.7	3.9	0.00	0.00	0.00	1.6	SE
8/8/2023 11:10:00	3.7	8.8	5.1	0.00	0.00	0.00	1.6	ESE
8/8/2023 11:11:00	3.6	8.8	5.2	0.00	0.00	0.00	1.5	E
8/8/2023 11:12:00	3.6	8.8	5.1	0.00	0.00	0.00	1.5	ESE
8/8/2023 11:13:00	3.7	8.2	4.5	0.00	0.00	0.00	1.5	SE
8/8/2023 11:14:00	3.7	7.8	4.1	0.00	0.00	0.00	1.5	ESE
8/8/2023 11:15:00	3.7	7.6	3.9	0.00	0.00	0.00	1.6	ESE
8/8/2023 11:16:00	3.7	7.2	3.5	0.00	0.00	0.00	1.7	E
8/8/2023 11:17:00	3.7	6.9	3.2	0.00	0.00	0.00	1.9	ESE
8/8/2023 11:18:00	3.7	6.7	3.0	0.00	0.00	0.00	2.0	ESE
8/8/2023 11:19:00	3.7	6.4	2.7	0.00	0.00	0.00	2.2	E
8/8/2023 11:20:00	3.7	6.1	2.4	0.00	0.00	0.00	2.4	E
8/8/2023 11:21:00	3.7	5.8	2.1	0.00	0.00	0.00	2.5	E
8/8/2023 11:22:00	3.7	5.5	1.8	0.00	0.00	0.00	2.5	ESE
8/8/2023 11:23:00	3.7	4.9	1.2	0.00	0.00	0.00	2.4	E
8/8/2023 11:24:00	3.8	5.1	1.4	0.00	0.00	0.00	2.3	NNW
8/8/2023 11:25:00	3.8	5.3	1.6	0.00	0.00	0.00	2.5	E
8/8/2023 11:26:00	3.9	5.3	1.4	0.00	0.00	0.00	2.6	ESE
8/8/2023 11:27:00	3.9	5.1	1.2	0.00	0.00	0.00	2.7	ESE
8/8/2023 11:28:00	3.9	5.1	1.3	0.00	0.00	0.00	2.6	ENE
8/8/2023 11:29:00	3.9	5.1	1.2	0.00	0.00	0.00	2.7	E
8/8/2023 11:30:00	4.0	5.0	1.0	0.00	0.00	0.00	2.6	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 11:31:00	4.0	5.1	1.1	0.00	0.00	0.00	2.5	NE
8/8/2023 11:32:00	4.0	5.1	1.1	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:33:00	4.0	5.2	1.2	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:34:00	4.0	5.3	1.3	0.00	0.00	0.00	2.1	SW
8/8/2023 11:35:00	4.0	5.4	1.4	0.00	0.00	0.00	2.0	ENE
8/8/2023 11:36:00	4.0	5.5	1.5	0.00	0.00	0.00	2.0	E
8/8/2023 11:37:00	4.1	5.6	1.5	0.00	0.00	0.00	2.1	E
8/8/2023 11:38:00	4.2	5.8	1.6	0.00	0.00	0.00	2.1	SE
8/8/2023 11:39:00	4.3	5.7	1.4	0.00	0.00	0.00	2.2	ENE
8/8/2023 11:40:00	4.3	4.8	0.5	0.00	0.00	0.00	2.0	E
8/8/2023 11:41:00	4.3	4.6	0.3	0.00	0.00	0.00	2.0	E
8/8/2023 11:42:00	4.3	4.4	0.1	0.00	0.00	0.00	2.1	ENE
8/8/2023 11:43:00	4.3	4.4	0.2	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:44:00	4.2	4.5	0.3	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:45:00	4.2	4.3	0.1	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:46:00	4.2	4.1	-0.1	0.00	0.00	0.00	2.4	ESE
8/8/2023 11:47:00	4.2	4.1	-0.1	0.00	0.00	0.00	2.4	E
8/8/2023 11:48:00	4.2	4.3	0.1	0.00	0.00	0.00	2.5	E
8/8/2023 11:49:00	4.2	4.6	0.4	0.00	0.00	0.00	2.7	E
8/8/2023 11:50:00	4.3	5.2	0.8	0.00	0.00	0.00	2.6	ESE
8/8/2023 11:51:00	4.3	5.1	0.8	0.00	0.00	0.00	2.6	NE
8/8/2023 11:52:00	4.2	4.9	0.8	0.00	0.00	0.00	2.4	SE
8/8/2023 11:53:00	4.0	4.7	0.7	0.00	0.00	0.00	2.5	ESE
8/8/2023 11:54:00	3.9	4.3	0.4	0.00	0.00	0.00	2.6	E
8/8/2023 11:55:00	3.8	4.1	0.3	0.00	0.00	0.00	2.6	ESE
8/8/2023 11:56:00	3.7	3.8	0.1	0.00	0.00	0.00	2.4	ESE
8/8/2023 11:57:00	3.6	3.7	0.1	0.00	0.00	0.00	2.3	ESE
8/8/2023 11:58:00	3.5	3.4	-0.1	0.00	0.00	0.00	2.3	E
8/8/2023 11:59:00	3.5	3.2	-0.2	0.00	0.00	0.00	2.3	E
8/8/2023 12:00:00	3.4	3.1	-0.3	0.00	0.00	0.00	2.3	E
8/8/2023 12:01:00	3.3	3.0	-0.2	0.00	0.00	0.00	2.3	SE
8/8/2023 12:02:00	3.2	2.9	-0.3	0.00	0.00	0.00	2.2	ESE
8/8/2023 12:03:00	3.1	2.3	-0.7	0.00	0.00	0.00	2.2	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
8/8/2023 12:04:00	3.0	1.8	-1.1	0.00	0.00	0.00	2.1	E
8/8/2023 12:05:00	2.8	1.1	-1.7	0.00	0.00	0.00	2.1	ESE
8/8/2023 12:06:00	2.7	0.9	-1.9	0.00	0.00	0.00	2.1	E
8/8/2023 12:07:00	2.6	0.8	-1.9	0.00	0.00	0.00	2.3	E
8/8/2023 12:08:00	2.6	0.7	-1.9	0.00	0.00	0.00	2.3	E
8/8/2023 12:09:00	2.5	0.6	-1.9	0.00	0.00	0.00	2.4	E
8/8/2023 12:10:00	2.5	0.6	-1.9	0.00	0.00	0.00	2.7	E
8/8/2023 12:11:00	2.4	0.5	-1.9	0.00	0.00	0.00	2.8	E
8/8/2023 12:12:00	2.4	0.4	-2.0	0.00	0.00	0.00	2.9	ESE
8/8/2023 12:13:00	2.4	0.4	-2.0	0.00	0.00	0.00	3.0	ESE
8/8/2023 12:14:00	2.4	0.3	-2.0	0.00	0.00	0.00	3.0	ESE
8/8/2023 12:15:00	2.4	0.4	-2.0	0.00	0.00	0.00	3.1	E
8/8/2023 12:16:00	2.3	0.5	-1.8	0.00	0.00	0.00	3.0	S
8/8/2023 12:17:00	2.3	0.6	-1.8	0.00	0.00	0.00	3.0	ESE
8/8/2023 12:18:00	2.4	0.6	-1.7	0.00	0.00	0.00	3.0	SE
8/8/2023 12:19:00	2.3	0.6	-1.7	0.00	0.00	0.00	2.9	N
8/8/2023 12:20:00	2.3	0.6	-1.7	0.00	0.00	0.00	2.9	E
8/8/2023 12:21:00	2.3	0.5	-1.7	0.00	0.00	0.00	2.8	E
8/8/2023 12:22:00	2.3	0.5	-1.8	0.00	0.00	0.00	2.7	E
8/8/2023 12:23:00	2.3	0.5	-1.8	0.00	0.00	0.00	2.6	ENE
8/8/2023 12:24:00	2.4	0.5	-1.9	0.00	0.00	0.00	2.3	SSE
8/8/2023 12:25:00	2.4	0.6	-1.9	0.00	0.00	0.00	2.2	NNE
8/8/2023 12:26:00	2.4	0.6	-1.8	0.00	0.00	0.00	2.2	E
8/8/2023 12:27:00	2.4	0.6	-1.8	0.00	0.00	0.00	2.2	ESE
8/8/2023 12:28:00	2.2	0.7	-1.6	0.00	0.00	0.00	2.0	S
8/8/2023 12:29:00	2.3	0.7	-1.6	0.00	0.00	0.00	1.9	ESE
8/8/2023 12:30:00	2.2	0.7	-1.5	0.00	0.00	0.00	1.8	SE
8/8/2023 12:31:00	2.3	0.6	-1.8	0.00	0.00	0.00	1.9	E
8/8/2023 12:32:00	2.2	0.6	-1.6	0.00	0.00	0.00	1.9	WSW
8/8/2023 12:33:00	2.2	0.7	-1.5	0.00	0.00	0.00	1.9	NNE
8/8/2023 12:34:00	2.2	0.7	-1.5	0.00	0.00	0.00	1.9	ESE
8/8/2023 12:35:00	2.3	0.8	-1.5	0.00	0.00	0.00	1.9	NE
8/8/2023 12:36:00	2.4	1.0	-1.4	0.00	0.00	0.00	1.9	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 12:37:00	2.6	1.4	-1.3	0.00	0.00	0.00	1.9	E
8/8/2023 12:38:00	2.7	1.8	-0.9	0.00	0.00	0.00	1.8	ESE
8/8/2023 12:39:00	2.8	2.1	-0.7	0.00	0.00	0.00	2.0	E
8/8/2023 12:40:00	2.8	2.3	-0.5	0.00	0.00	0.00	1.9	SSE
8/8/2023 12:41:00	3.1	2.5	-0.6	0.00	0.00	0.00	1.8	S
8/8/2023 12:42:00	3.3	2.9	-0.4	0.00	0.00	0.00	1.6	SE
8/8/2023 12:43:00	3.5	3.0	-0.5	0.00	0.00	0.00	1.7	ESE
8/8/2023 12:44:00	3.7	3.3	-0.4	0.00	0.00	0.00	1.7	N
8/8/2023 12:45:00	3.8	3.7	-0.1	0.00	0.00	0.00	1.7	SE
8/8/2023 12:46:00	3.9	3.9	0.0	0.00	0.00	0.00	1.6	ENE
8/8/2023 12:47:00	4.1	4.1	0.0	0.00	0.00	0.00	1.7	E
8/8/2023 12:48:00	4.2	4.1	-0.1	0.00	0.00	0.00	1.6	NNE
8/8/2023 12:49:00	4.2	4.2	0.0	0.00	0.00	0.00	1.7	E
8/8/2023 12:50:00	4.2	4.5	0.3	0.00	0.00	0.00	1.7	E
8/8/2023 12:51:00	4.2	4.4	0.3	0.00	0.00	0.00	1.7	N
8/8/2023 12:52:00	4.0	4.3	0.3	0.00	0.00	0.00	2.0	E
8/8/2023 12:53:00	3.9	4.5	0.7	0.00	0.00	0.00	2.1	SE
8/8/2023 12:54:00	3.8	4.5	0.6	0.00	0.00	0.00	2.0	ESE
8/8/2023 12:55:00	3.9	4.4	0.6	0.00	0.00	0.00	2.1	E
8/8/2023 12:56:00	3.5	4.3	0.8	0.00	0.00	0.00	2.3	E
8/8/2023 12:57:00	3.5	4.3	0.8	0.00	0.00	0.00	2.5	E
8/8/2023 12:58:00	3.5	4.5	1.1	0.00	0.00	0.00	2.7	E
8/8/2023 12:59:00	3.3	4.3	0.9	0.00	0.00	0.00	2.6	NNW
8/8/2023 13:00:00	3.5	4.0	0.5	0.00	0.00	0.00	2.7	ENE
8/8/2023 13:01:00	3.9	4.1	0.2	0.00	0.00	0.00	2.7	E
8/8/2023 13:02:00	3.9	3.9	0.1	0.00	0.00	0.00	2.7	ESE
8/8/2023 13:03:00	3.8	3.9	0.1	0.00	0.00	0.00	2.7	E
8/8/2023 13:04:00	3.8	4.2	0.4	0.00	0.00	0.00	2.7	SE
8/8/2023 13:05:00	3.9	4.2	0.3	0.00	0.00	0.00	2.6	ESE
8/8/2023 13:06:00	4.0	4.5	0.5	0.00	0.00	0.00	2.8	ESE
8/8/2023 13:07:00	4.0	4.7	0.7	0.00	0.00	0.00	2.6	ESE
8/8/2023 13:08:00	4.2	4.4	0.2	0.00	0.00	0.00	2.7	ESE
8/8/2023 13:09:00	4.3	4.2	-0.1	0.00	0.00	0.00	2.7	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
8/8/2023 13:10:00	4.3	4.2	-0.1	0.00	0.00	0.00	2.6	WNW
8/8/2023 13:11:00	4.4	4.4	0.0	0.00	0.00	0.00	2.5	E
8/8/2023 13:12:00	4.3	4.4	0.1	0.00	0.00	0.00	2.3	ENE
8/8/2023 13:13:00	4.3	4.1	-0.2	0.00	0.00	0.00	2.3	NNE
8/8/2023 13:14:00	4.4	4.2	-0.2	0.00	0.00	0.00	2.4	NE
8/8/2023 13:15:00	4.3	4.5	0.2	0.00	0.00	0.00	2.5	ENE
8/8/2023 13:16:00	3.9	4.6	0.7	0.00	0.00	0.00	2.5	NNE
8/8/2023 13:17:00	4.1	4.6	0.5	0.00	0.00	0.00	2.8	ENE
8/8/2023 13:18:00	4.4	4.6	0.2	0.00	0.00	0.00	2.9	E
8/8/2023 13:19:00	4.4	4.3	-0.1	0.00	0.00	0.00	3.1	ENE
8/8/2023 13:20:00	4.3	4.0	-0.3	0.00	0.00	0.00	3.4	ENE
8/8/2023 13:21:00	4.2	3.6	-0.6	0.00	0.00	0.00	3.4	ENE
8/8/2023 13:22:00	4.2	3.3	-0.9	0.00	0.00	0.00	3.4	E
8/8/2023 13:23:00	4.1	3.2	-0.9	0.00	0.00	0.00	3.3	ESE
8/8/2023 13:24:00	4.0	3.5	-0.5	0.00	0.00	0.00	3.2	E
8/8/2023 13:25:00	4.0	3.6	-0.4	0.00	0.00	0.00	3.3	ESE
8/8/2023 13:26:00	4.0	3.5	-0.5	0.00	0.00	0.00	3.5	E
8/8/2023 13:27:00	4.1	3.6	-0.5	0.00	0.00	0.00	3.6	ESE
8/8/2023 13:28:00	4.0	3.5	-0.6	0.00	0.00	0.00	3.7	E
8/8/2023 13:29:00	3.9	3.4	-0.6	0.00	0.00	0.00	3.8	ENE
8/8/2023 13:30:00	3.8	3.0	-0.8	0.00	0.00	0.00	3.8	ENE
8/8/2023 13:31:00	3.8	2.7	-1.0	0.00	0.00	0.00	3.9	E
8/8/2023 13:32:00	3.5	2.8	-0.7	0.00	0.00	0.00	3.8	E
8/8/2023 13:33:00	3.3	2.9	-0.3	0.00	0.00	0.00	3.8	E
8/8/2023 13:34:00	3.2	3.4	0.2	0.00	0.00	0.00	3.7	NE
8/8/2023 13:35:00	3.2	3.6	0.4	0.00	0.00	0.00	3.6	E
8/8/2023 13:36:00	3.2	4.0	0.8	0.00	0.00	0.00	3.6	E
8/8/2023 13:37:00	3.3	4.4	1.1	0.00	0.00	0.00	3.6	E
8/8/2023 13:38:00	3.4	4.4	1.0	0.00	0.00	0.00	3.7	E
8/8/2023 13:39:00	3.5	4.3	0.8	0.00	0.00	0.00	3.8	E
8/8/2023 13:40:00	3.6	4.8	1.1	0.00	0.00	0.00	3.9	ESE
8/8/2023 13:41:00	3.7	5.3	1.6	0.00	0.00	0.00	3.9	E
8/8/2023 13:42:00	3.8	5.1	1.3	0.00	0.00	0.00	4.0	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/8/2023 13:43:00	3.8	5.2	1.3	0.00	0.00	0.00	3.9	E
8/8/2023 13:44:00	3.8	5.7	1.8	0.00	0.00	0.00	3.8	ENE
8/8/2023 13:45:00	3.8	6.2	2.3	0.00	0.00	0.00	3.7	E
8/8/2023 13:46:00	3.8	6.7	2.9	0.00	0.00	0.00	3.5	ESE
8/8/2023 13:47:00	3.8	7.6	3.8	0.00	0.00	0.00	3.4	ENE
8/8/2023 13:48:00	3.9	8.3	4.4	0.00	0.00	0.00	3.3	NE
8/8/2023 13:49:00	3.9	7.9	4.0	0.00	0.00	0.00	3.3	ESE
8/8/2023 13:50:00	3.9	7.7	3.8	0.00	0.00	0.00	3.3	ESE
8/8/2023 13:51:00	3.9	8.0	4.2	0.00	0.00	0.00	3.2	ESE
8/8/2023 13:52:00	3.8	7.9	4.1	0.00	0.00	0.00	3.3	E
8/8/2023 13:53:00	3.6	7.7	4.1	0.00	0.00	0.00	3.3	ESE
8/8/2023 13:54:00	3.5	7.5	3.9	0.00	0.00	0.00	3.1	ESE
8/8/2023 13:55:00	3.3	6.7	3.3	0.00	0.00	0.00	3.1	ESE
8/8/2023 13:56:00	3.2	6.0	2.8	0.00	0.00	0.00	2.9	SE
8/8/2023 13:57:00	3.1	6.2	3.0	0.00	0.00	0.00	2.9	ENE
8/8/2023 13:58:00	3.1	6.2	3.1	0.00	0.00	0.00	3.0	ESE
8/8/2023 13:59:00	3.1	5.7	2.5	0.00	0.00	0.00	3.0	ESE
8/8/2023 14:00:00	3.1	5.1	2.0	0.00	0.00	0.00	2.9	E
8/8/2023 14:01:00	3.2	4.5	1.3	0.00	0.00	0.00	2.9	SE
8/8/2023 14:02:00	3.2	3.4	0.2	0.00	0.00	0.00	2.9	SE
8/8/2023 14:03:00	3.1	2.6	-0.6	0.00	0.00	0.00	2.9	E
8/8/2023 14:04:00	3.3	2.5	-0.8	0.00	0.00	0.00	2.8	NE
8/8/2023 14:05:00	3.2	2.5	-0.7	0.00	0.00	0.00	2.9	E
8/8/2023 14:06:00	3.2	1.8	-1.4	0.00	0.00	0.00	2.7	SE
8/8/2023 14:07:00	3.1	1.6	-1.6	0.00	0.00	0.00	2.4	ESE
8/8/2023 14:08:00	3.1	1.7	-1.5	0.00	0.00	0.00	2.4	ENE
8/8/2023 14:09:00	3.2	1.8	-1.4	0.00	0.00	0.00	2.5	E
8/8/2023 14:10:00	3.2	1.9	-1.3	0.00	0.00	0.00	2.4	E
8/8/2023 14:11:00	3.2	1.9	-1.4	0.00	0.00	0.00	2.4	NNE
8/8/2023 14:12:00	3.1	1.8	-1.3	0.00	0.00	0.00	2.1	SSE
8/8/2023 14:13:00	3.1	1.7	-1.4	0.00	0.00	0.00	2.0	E
8/8/2023 14:14:00	3.0	1.7	-1.3	0.00	0.00	0.00	2.1	E
8/8/2023 14:15:00	3.1	1.7	-1.3	0.00	0.00	0.00	2.3	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
8/8/2023 14:16:00	3.0	1.7	-1.3	0.00	0.00	0.00	2.4	E
8/8/2023 14:17:00	3.0	1.7	-1.4	0.00	0.00	0.00	2.5	ESE
8/8/2023 14:18:00	3.0	1.6	-1.4	0.00	0.00	0.00	2.5	ESE
8/8/2023 14:19:00	2.9	1.6	-1.4	0.00	0.00	0.00	2.6	ESE
8/8/2023 14:20:00	2.9	1.4	-1.5	0.00	0.00	0.00	2.5	ESE
8/8/2023 14:21:00	3.0	1.4	-1.6	0.00	0.00	0.00	2.7	ESE
8/8/2023 14:22:00	3.0	1.4	-1.6	0.00	0.00	0.00	2.8	E
8/8/2023 14:23:00	3.0	1.4	-1.6	0.00	0.00	0.00	2.8	E
8/8/2023 14:24:00	3.0	1.5	-1.5	0.00	0.00	0.00	2.8	ESE
8/8/2023 14:25:00	3.0	1.5	-1.5	0.00	0.00	0.00	2.8	ESE
8/8/2023 14:26:00	3.1	1.6	-1.4	0.00	0.00	0.00	3.0	E
8/8/2023 14:27:00	3.2	1.6	-1.6	0.00	0.00	0.00	3.2	E
8/8/2023 14:28:00	3.2	1.6	-1.6	0.00	0.00	0.00	3.3	E
8/8/2023 14:29:00	3.1	1.6	-1.6	0.00	0.00	0.00	3.2	ESE
8/8/2023 14:30:00	3.1	1.6	-1.5	0.00	0.00	0.00	3.0	ESE
8/8/2023 14:31:00	3.0	1.6	-1.4	0.00	0.00	0.00	2.9	SE
8/8/2023 14:32:00	3.0	1.8	-1.2	0.00	0.00	0.00	2.7	ESE
8/8/2023 14:33:00	3.1	1.9	-1.1	0.00	0.00	0.00	2.7	ESE
8/8/2023 14:34:00	3.0	1.9	-1.1	0.00	0.00	0.00	2.6	ESE
8/8/2023 14:35:00	3.0	2.1	-0.9	0.00	0.00	0.00	2.6	ESE
8/8/2023 14:36:00	3.0	2.2	-0.7	0.00	0.00	0.00	2.5	NNE
8/8/2023 14:37:00	2.9	2.1	-0.8	0.00	0.00	0.00	2.4	NE
8/8/2023 14:38:00	2.9	2.0	-0.8	0.00	0.00	0.00	2.2	E
8/8/2023 14:39:00	2.9	1.9	-0.9	0.00	0.00	0.00	2.2	ESE
8/8/2023 14:40:00	2.8	1.8	-1.0	0.00	0.00	0.00	2.3	ESE
8/8/2023 14:41:00	2.7	1.8	-0.9	0.00	0.00	0.00	2.1	S
8/8/2023 14:42:00	2.7	1.8	-0.9	0.00	0.00	0.00	2.0	E
8/8/2023 14:43:00	2.8	1.8	-1.0	0.00	0.00	0.00	2.0	E
8/8/2023 14:44:00	2.9	1.9	-1.0	0.00	0.00	0.00	1.9	SE
8/8/2023 14:45:00	3.0	2.0	-1.0	0.00	0.00	0.00	1.8	SE
8/8/2023 14:46:00	3.0	2.1	-1.0	0.00	0.00	0.00	1.9	SE
8/8/2023 14:47:00	3.0	2.0	-1.0	0.00	0.00	0.00	1.9	ESE
8/8/2023 14:48:00	3.0	2.0	-1.0	0.00	0.00	0.00	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
8/8/2023 14:49:00	3.0	2.0	-0.9	0.00	0.00	0.00	1.9	E
8/8/2023 14:50:00	3.0	1.9	-1.1	0.00	0.00	0.00	1.9	ESE
8/8/2023 14:51:00	3.1	1.9	-1.2	0.00	0.00	0.00	2.0	NE
8/8/2023 14:52:00	3.2	2.4	-0.8	0.00	0.00	0.00	2.0	ENE
8/8/2023 14:53:00	3.3	2.5	-0.8	0.00	0.00	0.00	2.2	E
8/8/2023 14:54:00	3.3	2.5	-0.8	0.00	0.00	0.00	2.2	NE
8/8/2023 14:55:00	3.4	2.6	-0.8	0.00	0.00	0.00	2.2	E
8/8/2023 14:56:00	3.3	2.6	-0.7	0.00	0.00	0.00	2.3	SSE
8/8/2023 14:57:00	3.3	2.6	-0.7	0.00	0.00	0.00	2.4	ESE
8/8/2023 14:58:00	3.3	2.7	-0.5	0.00	0.00	0.00	2.3	ESE
8/8/2023 14:59:00	3.2	2.8	-0.4	0.00	0.00	0.00	2.5	E
8/8/2023 15:00:00				0.00	0.00	0.00	2.6	E
8/8/2023 15:01:00				0.00	0.00	0.00	2.6	ESE
8/8/2023 15:02:00				0.00	0.00	0.00	2.6	ESE
8/8/2023 15:03:00	3.9	6.1	2.2	0.00	0.00	0.00	2.6	ESE
8/8/2023 15:04:00	3.5	9.0	5.4	0.00	0.00	0.00	2.6	E
8/8/2023 15:05:00	3.7	7.0	3.3	0.00	0.00	0.00	2.6	E
8/8/2023 15:06:00	4.0	6.1	2.1	0.00	0.00	0.00	2.7	E
8/8/2023 15:07:00	3.9	5.5	1.7	0.00	0.00	0.00	3.0	E
8/8/2023 15:08:00	3.7	5.1	1.4	0.00	0.00	0.00	3.0	E
8/8/2023 15:09:00	3.6	4.7	1.0	0.00	0.00	0.00	3.1	E
8/8/2023 15:10:00	3.6	4.5	0.9	0.00	0.00	0.00	3.0	ENE
8/8/2023 15:11:00	3.6	4.5	1.0	0.00	0.00	0.00	2.9	E
8/8/2023 15:12:00	3.5	4.5	1.0	0.00	0.00	0.00	2.8	E
8/8/2023 15:13:00	3.4	4.4	1.0	0.00	0.00	0.00	2.9	SE
8/8/2023 15:14:00	3.4	4.4	1.0	0.00	0.00	0.00	2.8	ENE
8/8/2023 15:15:00	3.4	5.0	1.6	0.00	0.00	0.00	2.8	NNE
8/8/2023 15:16:00	3.4	6.8	3.4	0.00	0.00	0.00	2.7	NE
8/8/2023 15:17:00	3.4	7.9	4.5	0.00	0.00	0.00	2.7	E
8/8/2023 15:18:00	3.3	7.8	4.5	0.00	0.00	0.00	2.7	ENE