

DAILY FIELD REPORT 048

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	August 11, 2023
------------------------	---------	--------------	-----------------

Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 4:00 pm
----------------------	---	--------------	--------------------

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)

Drilling Subcontractor: Aquifer Drilling and Testing (ADT)

Work Activities Performed:

- Aquifer Drilling and Testing (ADT) under contract to Urban drilled one, 3-inch core (ISS-2-C1) through the center of in-situ stabilization (ISS) Column #2 to about 25 feet below grade surface (bgs) (about elevation¹ -19) using a CME 54 mobile drilling rig with a 4-7/8-inch coring bit and PQ core barrel. Soil mix coring is being implemented as part of the quality assurance/quality control (QA/QC) program for the ISS of non-aqueous phase liquid (NAPL)-contaminated soil established in the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work plan (RAWP).
 - Recovered cores were screened with a photoionization detector (PID) and exhibited a maximum PID reading of 179.0 parts per million (ppm). Detailed soil mix coring logs will be included in the Final Engineering Report (FER).
 - No samples were collected for laboratory analysis due to poor recovery.
- Urban excavated an about 15-foot-long by 30-foot-wide area and an about 30-foot-long by 15-foot-wide area from about 4 feet bgs to about 7 feet bgs in the eastern and southeastern parts of waste characterization grid WC03_0-5 and WC03_5-10 to prepare for the installation of caisson casings. Excavated soil/fill was stockpiled in the central part of grid WC02 and covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban graded an about 150-foot-long by 150-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 PID readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed three caisson casings using a CAT00 Custom Build 3 Double L drilling rig in the central 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.

¹ Elevations are based on the North American Vertical Datum of 1988 (NAVD88)

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)
	64	1,280	29	580	0	-	14	280

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

Samples Collected:

- No samples were collected.

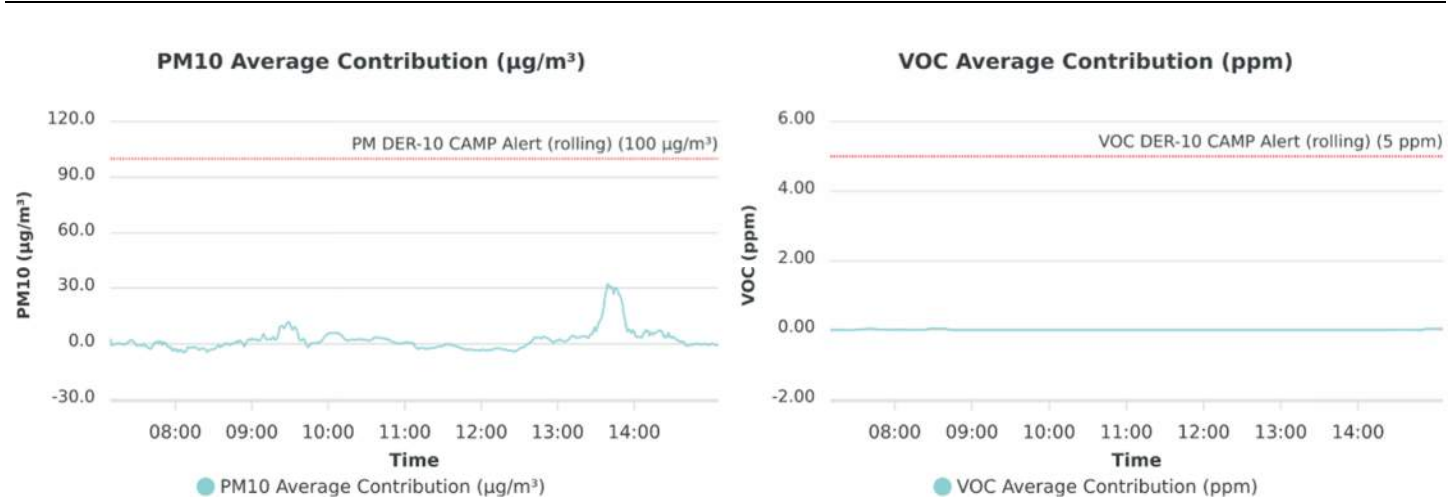
Air Monitoring:

The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m³ for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m³ and 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	24.1	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-4.4	VOC Average Site Contribution (Minimum)	-0.01
PM10 Average Site Contribution (Maximum)	31.9	VOC Average Site Contribution (Maximum)	0.04

µg/m³: micrograms per cubic meter.

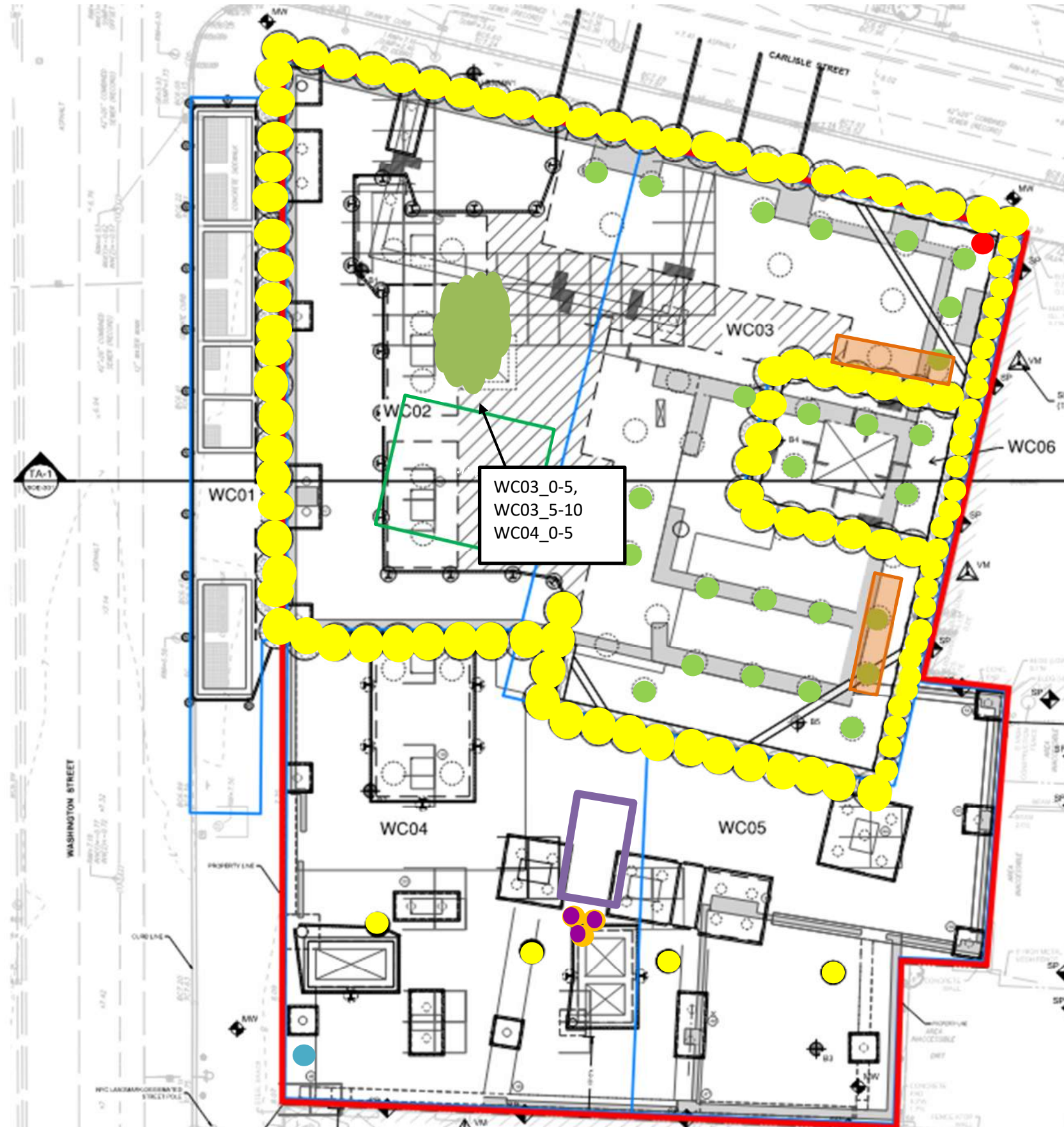
ppm: parts per million.



Planned Activities:

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

SITE PLAN



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

Note: Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.

Photo Log

Photo 1: ADT using a CME 54 drilling rig to advance a core through ISS Column #2 for inspection (facing southwest).



Photo 2: View of a collected soil mix core from ISS Column #2 (facing east).



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



Photo 4: View of the entrance/exit of the site along Washington Street at the end of the work day (facing northeast).



LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	8/11/2023 00:00
		To:	8/11/2023 22:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

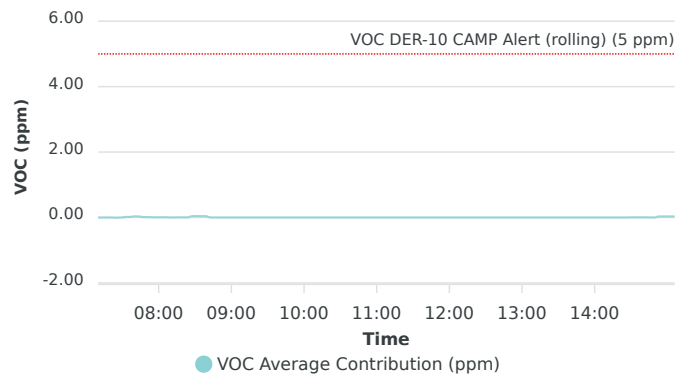
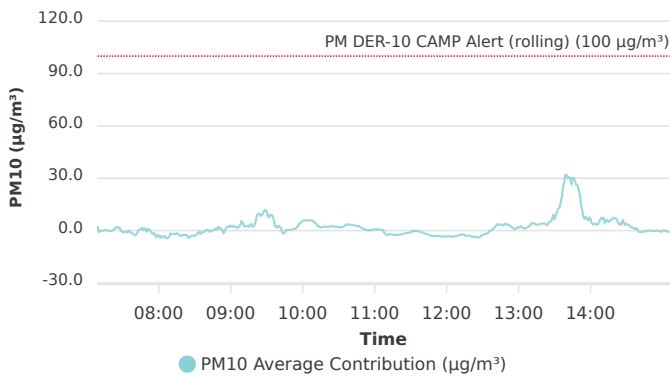
Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
8/11/2023	0.2-5.5	E

Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 8/11/2023	-4.4	08:07	-0.01	07:25
Max Contribution (15 min avg.) - 8/11/2023	31.9	13:39	0.04	08:28

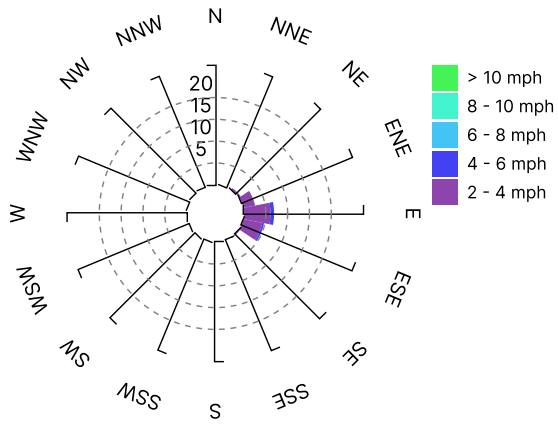


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

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
8/11/2023 07:09:00	24.1	26.7	2.6				0.2	SSW
8/11/2023 07:10:00	24.7	23.8	-0.8	0.00	0.00	0.00	0.3	E
8/11/2023 07:11:00	23.0	22.9	-0.1	0.00	0.00	0.00	0.4	W
8/11/2023 07:12:00	21.8	21.4	-0.4	0.00	0.00	0.00	0.4	SSE
8/11/2023 07:13:00	20.7	20.6	-0.1	0.00	0.00	0.00	0.4	NNE
8/11/2023 07:14:00	20.1	20.1	0.0	0.00	0.00	0.00	0.5	SSW
8/11/2023 07:15:00	19.4	19.6	0.2	0.00	0.00	0.00	0.5	ESE
8/11/2023 07:16:00	18.7	19.2	0.5	0.00	0.00	0.00	0.6	NNE
8/11/2023 07:17:00	18.6	18.7	0.1	0.00	0.00	0.00	0.6	W
8/11/2023 07:18:00	18.4	18.3	-0.1	0.00	0.00	0.00	0.6	W
8/11/2023 07:19:00	18.3	18.0	-0.2	0.00	0.00	0.00	0.6	SSE
8/11/2023 07:20:00	18.2	17.9	-0.3	0.01	0.00	0.00	0.6	SSW
8/11/2023 07:21:00	17.9	17.8	-0.1	0.01	0.01	0.00	0.6	E
8/11/2023 07:22:00	17.7	17.8	0.1	0.01	0.01	0.00	0.6	WNW
8/11/2023 07:23:00	17.5	18.6	1.0	0.01	0.01	0.00	0.6	SSW
8/11/2023 07:24:00	17.1	18.6	1.4	0.01	0.01	-0.01	0.7	SSW
8/11/2023 07:25:00	16.6	18.8	2.1	0.01	0.01	-0.01	0.7	S
8/11/2023 07:26:00	17.0	18.7	1.7	0.01	0.01	-0.01	0.7	ENE
8/11/2023 07:27:00	17.5	19.1	1.6	0.01	0.01	0.00	0.7	ENE
8/11/2023 07:28:00	18.6	19.3	0.7	0.01	0.01	0.00	0.7	ESE
8/11/2023 07:29:00	20.0	19.6	-0.4	0.01	0.01	0.00	0.7	N
8/11/2023 07:30:00	20.9	20.0	-0.9	0.01	0.01	0.00	0.7	NE
8/11/2023 07:31:00	21.3	20.3	-0.9	0.01	0.02	0.01	0.7	NE
8/11/2023 07:32:00	21.3	20.7	-0.6	0.01	0.02	0.01	0.7	E
8/11/2023 07:33:00	21.6	20.8	-0.8	0.01	0.03	0.02	0.7	SE
8/11/2023 07:34:00	21.9	20.8	-1.1	0.01	0.03	0.02	0.7	E
8/11/2023 07:35:00	21.7	21.7	0.1	0.01	0.03	0.02	0.7	SSE
8/11/2023 07:36:00	22.4	21.5	-0.9	0.01	0.02	0.01	0.8	E
8/11/2023 07:37:00	22.3	21.3	-1.0	0.01	0.02	0.02	0.9	ESE
8/11/2023 07:38:00	22.2	20.6	-1.6	0.00	0.03	0.03	0.9	ESE
8/11/2023 07:39:00	22.0	19.8	-2.2	0.00	0.04	0.03	0.8	ENE
8/11/2023 07:40:00	21.9	19.2	-2.7	0.00	0.04	0.04	0.8	N

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/11/2023 07:41:00	21.2	18.8	-2.4	0.00	0.04	0.04	0.8	E
8/11/2023 07:42:00	20.4	18.9	-1.6	0.00	0.03	0.03	0.8	SW
8/11/2023 07:43:00	19.1	19.2	0.2	0.00	0.03	0.03	0.8	SSW
8/11/2023 07:44:00	18.1	18.7	0.6	0.00	0.03	0.03	0.9	ESE
8/11/2023 07:45:00	17.2	18.1	0.9	0.00	0.03	0.03	0.9	E
8/11/2023 07:46:00	16.8	18.2	1.4	0.00	0.02	0.02	0.9	SSE
8/11/2023 07:47:00	17.5	17.7	0.3	0.00	0.02	0.01	0.9	SE
8/11/2023 07:48:00	16.9	18.3	1.4	0.00	0.01	0.01	0.9	SSE
8/11/2023 07:49:00	17.0	18.1	1.1	0.00	0.01	0.01	0.9	ENE
8/11/2023 07:50:00	17.5	16.9	-0.7	0.01	0.02	0.01	0.9	N
8/11/2023 07:51:00	16.7	17.7	1.0	0.01	0.02	0.01	0.8	WNW
8/11/2023 07:52:00	16.9	17.5	0.6	0.01	0.02	0.01	0.7	ENE
8/11/2023 07:53:00	17.3	17.1	-0.2	0.01	0.02	0.01	0.7	ESE
8/11/2023 07:54:00	18.3	16.9	-1.3	0.01	0.01	0.01	0.7	NE
8/11/2023 07:55:00	18.9	16.9	-2.0	0.01	0.01	0.01	0.8	NNW
8/11/2023 07:56:00	18.7	17.1	-1.6	0.01	0.01	0.00	0.8	SSW
8/11/2023 07:57:00	18.9	16.4	-2.5	0.01	0.01	0.01	0.8	E
8/11/2023 07:58:00	19.2	15.4	-3.8	0.01	0.01	0.01	0.8	ENE
8/11/2023 07:59:00	18.5	15.8	-2.7	0.01	0.01	0.01	0.7	SSE
8/11/2023 08:00:00	18.7	15.8	-2.9	0.01	0.01	0.01	0.7	SE
8/11/2023 08:01:00	19.0	15.0	-3.9	0.01	0.01	0.01	0.7	ESE
8/11/2023 08:02:00	18.1	15.0	-3.1	0.01	0.01	0.01	0.7	E
8/11/2023 08:03:00	18.3	14.3	-4.0	0.01	0.01	0.01	0.7	ENE
8/11/2023 08:04:00	17.7	14.4	-3.4	0.01	0.01	0.01	0.7	E
8/11/2023 08:05:00	17.5	14.4	-3.1	0.01	0.01	0.01	0.7	ESE
8/11/2023 08:06:00	17.9	13.5	-4.3	0.00	0.01	0.01	0.7	E
8/11/2023 08:07:00	17.9	13.5	-4.4	0.00	0.01	0.01	0.7	NE
8/11/2023 08:08:00	17.8	13.5	-4.2	0.00	0.01	0.00	0.7	NE
8/11/2023 08:09:00	16.6	13.7	-2.9	0.00	0.00	0.00	0.8	NNW
8/11/2023 08:10:00	15.9	14.3	-1.6	0.00	0.00	0.00	0.8	NNW
8/11/2023 08:11:00	16.5	14.5	-2.0	0.00	0.00	0.00	0.8	NW
8/11/2023 08:12:00	16.7	14.7	-2.1	0.00	0.00	0.00	0.8	SE
8/11/2023 08:13:00	16.6	14.8	-1.8	0.00	0.00	0.00	0.7	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
8/11/2023 08:14:00	16.7	14.6	-2.1	0.00	0.00	0.00	0.7	N
8/11/2023 08:15:00	16.6	15.0	-1.6	0.00	0.01	0.01	0.7	E
8/11/2023 08:16:00	16.8	15.1	-1.7	0.00	0.01	0.01	0.7	E
8/11/2023 08:17:00	17.6	15.1	-2.4	0.00	0.00	0.00	0.7	N
8/11/2023 08:18:00	18.0	15.1	-2.9	0.00	0.00	0.00	0.7	E
8/11/2023 08:19:00	18.2	15.1	-3.1	0.00	0.00	0.00	0.7	ENE
8/11/2023 08:20:00	18.0	15.4	-2.6	0.00	0.00	0.00	0.7	E
8/11/2023 08:21:00	17.8	15.4	-2.4	0.00	0.00	0.00	0.7	NNE
8/11/2023 08:22:00	17.9	15.4	-2.5	0.00	0.00	0.00	0.7	ENE
8/11/2023 08:23:00	17.9	15.4	-2.5	0.00	0.00	0.00	0.8	E
8/11/2023 08:24:00	18.5	15.1	-3.4	0.00	0.00	0.00	0.7	SE
8/11/2023 08:25:00	19.1	14.8	-4.2	0.00	0.01	0.01	0.7	NNE
8/11/2023 08:26:00	18.8	15.0	-3.8	0.00	0.03	0.03	0.7	ENE
8/11/2023 08:27:00	18.3	15.1	-3.1	0.00	0.04	0.04	0.7	E
8/11/2023 08:28:00	18.1	15.2	-2.9	0.00	0.04	0.04	0.7	ENE
8/11/2023 08:29:00	18.3	15.3	-3.0	0.00	0.04	0.04	0.7	ESE
8/11/2023 08:30:00	18.2	15.3	-2.9	0.00	0.04	0.04	0.7	NNW
8/11/2023 08:31:00	17.8	15.3	-2.5	0.00	0.04	0.04	0.7	SSE
8/11/2023 08:32:00	17.2	15.4	-1.9	0.00	0.04	0.04	0.6	ENE
8/11/2023 08:33:00	17.1	15.8	-1.3	0.00	0.04	0.04	0.6	NE
8/11/2023 08:34:00	17.0	16.4	-0.6	0.00	0.04	0.04	0.7	NW
8/11/2023 08:35:00	18.0	16.1	-1.8	0.00	0.04	0.04	0.7	NNE
8/11/2023 08:36:00	17.9	16.8	-1.1	0.00	0.04	0.04	0.7	WSW
8/11/2023 08:37:00	17.9	17.0	-1.0	0.00	0.04	0.04	0.7	ENE
8/11/2023 08:38:00	17.9	17.2	-0.6	0.00	0.04	0.04	0.7	NE
8/11/2023 08:39:00	17.4	17.4	0.0	0.00	0.04	0.04	0.7	SE
8/11/2023 08:40:00	16.9	17.4	0.4	0.00	0.03	0.03	0.6	N
8/11/2023 08:41:00	16.7	16.8	0.2	0.00	0.02	0.02	0.7	NW
8/11/2023 08:42:00	17.2	16.7	-0.5	0.00	0.01	0.01	0.8	ENE
8/11/2023 08:43:00	17.4	16.8	-0.6	0.00	0.00	0.00	1.0	E
8/11/2023 08:44:00	17.2	17.1	0.0	0.00	0.00	0.00	0.9	ESE
8/11/2023 08:45:00	17.0	17.1	0.1	0.00	0.00	0.00	1.0	NNE
8/11/2023 08:46:00	16.9	17.2	0.3	0.00	0.00	0.00	1.0	ENE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/11/2023 08:47:00	16.6	17.5	0.9	0.00	0.00	0.00	1.0	NE
8/11/2023 08:48:00	16.3	17.7	1.4	0.00	0.00	0.00	1.0	ESE
8/11/2023 08:49:00	16.5	17.1	0.6	0.00	0.00	0.00	1.0	NW
8/11/2023 08:50:00	15.5	17.6	2.1	0.00	0.00	0.00	0.9	ESE
8/11/2023 08:51:00	16.3	17.6	1.4	0.00	0.00	0.00	0.9	NNW
8/11/2023 08:52:00	16.7	17.8	1.1	0.00	0.00	0.00	0.9	NNW
8/11/2023 08:53:00	17.7	18.0	0.3	0.00	0.00	0.00	1.0	ENE
8/11/2023 08:54:00	20.0	18.5	-1.5	0.00	0.00	0.00	0.9	WSW
8/11/2023 08:55:00	20.1	19.8	-0.3	0.00	0.00	0.00	1.0	NE
8/11/2023 08:56:00	20.2	21.4	1.2	0.00	0.00	0.00	1.0	ESE
8/11/2023 08:57:00	19.7	21.8	2.0	0.00	0.00	0.00	0.9	E
8/11/2023 08:58:00	19.8	22.2	2.5	0.00	0.00	0.00	0.7	E
8/11/2023 08:59:00	20.0	22.1	2.1	0.00	0.00	0.00	0.7	NNE
8/11/2023 09:00:00	20.1	22.9	2.8	0.00	0.00	0.00	0.7	NE
8/11/2023 09:01:00	21.2	23.6	2.4	0.00	0.00	0.00	0.7	NW
8/11/2023 09:02:00	21.9	24.5	2.6	0.00	0.00	0.00	0.7	N
8/11/2023 09:03:00	23.0	25.2	2.2	0.00	0.00	0.00	0.7	NW
8/11/2023 09:04:00	23.8	26.1	2.3	0.00	0.00	0.00	0.7	E
8/11/2023 09:05:00	24.5	26.3	1.8	0.00	0.00	0.00	0.7	ESE
8/11/2023 09:06:00	24.4	26.1	1.7	0.00	0.00	0.00	0.8	ESE
8/11/2023 09:07:00	24.0	26.3	2.4	0.00	0.00	0.00	0.8	ESE
8/11/2023 09:08:00	23.2	26.6	3.4	0.00	0.00	0.00	0.8	N
8/11/2023 09:09:00	21.3	26.6	5.4	0.00	0.00	0.00	0.8	ENE
8/11/2023 09:10:00	21.3	25.9	4.6	0.00	0.00	0.00	0.8	NE
8/11/2023 09:11:00	21.9	24.6	2.7	0.00	0.00	0.00	0.7	NNW
8/11/2023 09:12:00	22.4	24.7	2.3	0.00	0.00	0.00	0.7	ESE
8/11/2023 09:13:00	23.1	25.7	2.6	0.00	0.00	0.00	0.7	NW
8/11/2023 09:14:00	23.9	26.4	2.6	0.00	0.00	0.00	0.8	SSE
8/11/2023 09:15:00	24.9	27.1	2.2	0.00	0.00	0.00	0.8	ENE
8/11/2023 09:16:00	24.2	27.4	3.2	0.00	0.00	0.00	0.8	ESE
8/11/2023 09:17:00	23.9	27.6	3.7	0.00	0.00	0.00	0.8	NE
8/11/2023 09:18:00	24.4	26.7	2.3	0.00	0.00	0.00	0.9	W
8/11/2023 09:19:00	24.1	26.4	2.3	0.00	0.00	0.00	0.9	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
8/11/2023 09:20:00	23.6	27.1	3.5	0.00	0.00	0.00	0.9	E
8/11/2023 09:21:00	23.1	28.8	5.7	0.00	0.00	0.00	0.9	E
8/11/2023 09:22:00	22.9	32.0	9.1	0.00	0.00	0.00	0.9	SE
8/11/2023 09:23:00	22.6	32.0	9.4	0.00	0.00	0.00	0.9	SE
8/11/2023 09:24:00	22.5	32.2	9.7	0.00	0.00	0.00	1.0	SE
8/11/2023 09:25:00	23.6	32.0	8.4	0.00	0.00	0.00	1.0	S
8/11/2023 09:26:00	23.6	32.4	8.8	0.00	0.00	0.00	1.1	SSE
8/11/2023 09:27:00	23.4	33.5	10.1	0.00	0.00	0.00	1.1	NE
8/11/2023 09:28:00	22.8	34.3	11.4	0.00	0.00	0.00	1.3	ENE
8/11/2023 09:29:00	22.0	33.8	11.8	0.00	0.00	0.00	1.2	SE
8/11/2023 09:30:00	21.3	32.1	10.8	0.00	0.00	0.00	1.3	SSE
8/11/2023 09:31:00	22.6	31.1	8.5	0.00	0.00	0.00	1.3	S
8/11/2023 09:32:00	22.2	29.8	7.5	0.00	0.00	0.00	1.3	E
8/11/2023 09:33:00	20.7	29.6	8.9	0.00	0.00	0.00	1.2	SSE
8/11/2023 09:34:00	20.0	29.1	9.1	0.00	0.00	0.00	1.2	SSE
8/11/2023 09:35:00	19.7	27.8	8.1	0.00	0.00	0.00	1.2	SSW
8/11/2023 09:36:00	19.6	25.6	6.1	0.00	0.00	0.00	1.1	SSW
8/11/2023 09:37:00	19.5	22.0	2.5	0.00	0.00	0.00	1.1	SSE
8/11/2023 09:38:00	19.4	21.4	2.0	0.00	0.00	0.00	1.1	ENE
8/11/2023 09:39:00	19.2	20.9	1.8	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:40:00	17.9	20.6	2.7	0.00	0.00	0.00	1.3	ESE
8/11/2023 09:41:00	17.2	19.6	2.4	0.00	0.00	0.00	1.3	E
8/11/2023 09:42:00	16.9	18.0	1.2	0.00	0.00	0.00	1.3	E
8/11/2023 09:43:00	16.7	15.8	-0.9	0.00	0.00	0.00	1.2	ENE
8/11/2023 09:44:00	16.6	14.9	-1.7	0.00	0.00	0.00	1.2	SW
8/11/2023 09:45:00	16.1	14.8	-1.3	0.00	0.00	0.00	1.1	S
8/11/2023 09:46:00	14.6	14.8	0.3	0.00	0.00	0.00	1.1	SSW
8/11/2023 09:47:00	14.5	14.7	0.2	0.00	0.00	0.00	1.1	ESE
8/11/2023 09:48:00	14.4	14.8	0.4	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:49:00	14.3	14.7	0.4	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:50:00	14.2	14.7	0.5	0.00	0.00	0.00	1.2	SE
8/11/2023 09:51:00	14.1	14.7	0.6	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:52:00	14.0	14.7	0.7	0.00	0.00	0.00	1.3	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
8/11/2023 09:53:00	13.9	14.8	0.9	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:54:00	13.9	15.1	1.2	0.00	0.00	0.00	1.2	E
8/11/2023 09:55:00	13.8	15.6	1.7	0.00	0.00	0.00	1.2	ESE
8/11/2023 09:56:00	13.9	16.5	2.7	0.00	0.00	0.00	1.1	ENE
8/11/2023 09:57:00	14.0	17.7	3.7	0.00	0.00	0.00	1.1	ESE
8/11/2023 09:58:00	14.1	18.5	4.4	0.00	0.00	0.00	1.1	SSE
8/11/2023 09:59:00	14.1	19.1	5.0	0.00	0.00	0.00	1.0	SE
8/11/2023 10:00:00	14.1	19.6	5.5	0.00	0.00	0.00	1.0	SE
8/11/2023 10:01:00	14.1	19.9	5.8	0.00	0.00	0.00	1.0	ESE
8/11/2023 10:02:00	14.1	20.0	5.8	0.00	0.00	0.00	1.0	ESE
8/11/2023 10:03:00	14.2	20.0	5.8	0.00	0.00	0.00	0.9	NE
8/11/2023 10:04:00	14.3	20.1	5.8	0.00	0.00	0.00	0.9	ESE
8/11/2023 10:05:00	14.4	20.3	5.8	0.00	0.00	0.00	0.9	SE
8/11/2023 10:06:00	14.6	20.5	5.9	0.00	0.00	0.00	0.9	E
8/11/2023 10:07:00	14.9	20.6	5.8	0.00	0.00	0.00	0.9	E
8/11/2023 10:08:00	15.1	20.9	5.7	0.00	0.00	0.00	0.9	ESE
8/11/2023 10:09:00	15.3	20.5	5.2	0.00	0.00	0.00	0.9	ESE
8/11/2023 10:10:00	15.6	20.3	4.8	0.00	0.00	0.00	0.8	NNW
8/11/2023 10:11:00	15.7	19.9	4.1	0.00	0.00	0.00	0.8	N
8/11/2023 10:12:00	15.7	18.9	3.2	0.00	0.00	0.00	0.7	ENE
8/11/2023 10:13:00	15.8	18.3	2.5	0.00	0.00	0.00	0.7	ENE
8/11/2023 10:14:00	15.8	17.9	2.1	0.00	0.00	0.00	0.7	ENE
8/11/2023 10:15:00	15.9	17.7	1.8	0.00	0.00	0.00	0.7	NE
8/11/2023 10:16:00	16.0	17.9	1.9	0.00	0.00	0.00	0.7	NE
8/11/2023 10:17:00	16.0	18.1	2.1	0.00	0.00	0.00	0.7	ESE
8/11/2023 10:18:00	15.9	18.1	2.2	0.00	0.00	0.00	0.8	ESE
8/11/2023 10:19:00	15.8	18.2	2.3	0.00	0.00	0.00	0.7	ENE
8/11/2023 10:20:00	15.8	18.1	2.3	0.00	0.00	0.00	0.8	SE
8/11/2023 10:21:00	16.0	17.9	1.9	0.00	0.00	0.00	0.7	S
8/11/2023 10:22:00	15.9	18.2	2.3	0.00	0.00	0.00	0.7	ESE
8/11/2023 10:23:00	15.8	18.1	2.3	0.00	0.00	0.00	0.7	N
8/11/2023 10:24:00	16.0	18.4	2.4	0.00	0.00	0.00	0.7	SE
8/11/2023 10:25:00	16.1	18.7	2.5	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
8/11/2023 10:26:00	16.2	18.6	2.4	0.00	0.00	0.00	0.7	ESE
8/11/2023 10:27:00	16.4	18.6	2.2	0.00	0.00	0.00	0.7	E
8/11/2023 10:28:00	16.5	18.7	2.2	0.00	0.00	0.00	0.7	E
8/11/2023 10:29:00	16.6	18.7	2.2	0.00	0.00	0.00	0.8	N
8/11/2023 10:30:00	16.6	18.7	2.1	0.00	0.00	0.00	0.8	ENE
8/11/2023 10:31:00	16.6	18.5	1.9	0.00	0.00	0.00	0.9	E
8/11/2023 10:32:00	16.6	18.4	1.8	0.00	0.00	0.00	0.8	ESE
8/11/2023 10:33:00	16.7	18.7	2.0	0.00	0.00	0.00	0.8	SE
8/11/2023 10:34:00	16.7	19.0	2.3	0.00	0.00	0.00	0.8	E
8/11/2023 10:35:00	16.6	19.3	2.7	0.00	0.00	0.00	0.8	ENE
8/11/2023 10:36:00	16.3	19.9	3.5	0.00	0.00	0.00	1.0	E
8/11/2023 10:37:00	16.2	19.5	3.3	0.00	0.00	0.00	1.0	ESE
8/11/2023 10:38:00	16.1	19.6	3.5	0.00	0.00	0.00	1.0	NE
8/11/2023 10:39:00	15.8	19.3	3.5	0.00	0.00	0.00	1.0	NNW
8/11/2023 10:40:00	15.6	18.9	3.3	0.00	0.00	0.00	1.1	NNW
8/11/2023 10:41:00	15.6	18.8	3.2	0.00	0.00	0.00	1.1	NE
8/11/2023 10:42:00	15.5	18.8	3.3	0.00	0.00	0.00	1.1	ENE
8/11/2023 10:43:00	15.9	18.8	2.8	0.00	0.00	0.00	1.1	NNW
8/11/2023 10:44:00	16.3	19.2	2.9	0.00	0.00	0.00	1.1	NNW
8/11/2023 10:45:00	16.7	19.4	2.7	0.00	0.00	0.00	1.0	NW
8/11/2023 10:46:00	17.1	19.5	2.4	0.00	0.00	0.00	1.0	NW
8/11/2023 10:47:00	17.4	20.0	2.6	0.00	0.00	0.00	1.0	ENE
8/11/2023 10:48:00	17.6	19.6	2.0	0.00	0.00	0.00	1.0	NNW
8/11/2023 10:49:00	17.7	19.3	1.6	0.00	0.00	0.00	0.9	E
8/11/2023 10:50:00	17.8	19.2	1.3	0.00	0.00	0.00	0.9	E
8/11/2023 10:51:00	17.9	18.8	0.9	0.00	0.00	0.00	0.8	NNE
8/11/2023 10:52:00	18.1	18.8	0.8	0.00	0.00	0.00	0.8	NNW
8/11/2023 10:53:00	18.3	18.7	0.4	0.00	0.00	0.00	0.9	ESE
8/11/2023 10:54:00	18.6	18.8	0.3	0.00	0.00	0.00	0.9	ENE
8/11/2023 10:55:00	18.6	18.8	0.2	0.00	0.00	0.00	0.9	ESE
8/11/2023 10:56:00	18.7	18.9	0.2	0.00	0.00	0.00	0.9	WNW
8/11/2023 10:57:00	18.9	19.0	0.1	0.00	0.00	0.00	1.0	E
8/11/2023 10:58:00	18.5	19.1	0.6	0.00	0.00	0.00	1.1	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
8/11/2023 10:59:00	18.3	18.7	0.4	0.00	0.00	0.00	1.1	ENE
8/11/2023 11:00:00	17.9	18.6	0.6	0.00	0.00	0.00	1.1	E
8/11/2023 11:01:00	17.7	18.7	0.9	0.00	0.00	0.00	1.1	NE
8/11/2023 11:02:00	17.8	18.5	0.8	0.00	0.00	0.00	1.2	SE
8/11/2023 11:03:00				0.00	0.00	0.00	1.2	NNE
8/11/2023 11:04:00				0.00	0.00	0.00	1.2	ENE
8/11/2023 11:05:00				0.00	0.00	0.00	1.3	ESE
8/11/2023 11:06:00				0.00	0.00	0.00	1.3	NE
8/11/2023 11:07:00	16.6	16.9	0.3	0.00	0.00	0.00	1.3	NW
8/11/2023 11:08:00	17.9	16.5	-1.4	0.00	0.00	0.00	1.2	E
8/11/2023 11:09:00	18.2	16.2	-2.0	0.00	0.00	0.00	1.2	NNE
8/11/2023 11:10:00	18.2	15.8	-2.4	0.00	0.00	0.00	1.2	E
8/11/2023 11:11:00	18.3	15.7	-2.6	0.00	0.00	0.00	1.3	E
8/11/2023 11:12:00	18.2	16.1	-2.2	0.00	0.00	0.00	1.2	NW
8/11/2023 11:13:00	18.0	15.9	-2.1	0.00	0.00	0.00	1.2	E
8/11/2023 11:14:00	18.0	15.9	-2.1	0.00	0.00	0.00	1.1	ESE
8/11/2023 11:15:00	18.1	15.8	-2.2	0.00	0.00	0.00	1.1	NNW
8/11/2023 11:16:00	18.1	15.6	-2.5	0.00	0.00	0.00	1.1	N
8/11/2023 11:17:00	18.5	15.7	-2.7	0.00	0.00	0.00	1.1	NNE
8/11/2023 11:18:00	18.6	16.2	-2.4	0.00	0.00	0.00	1.1	NW
8/11/2023 11:19:00	18.5	16.1	-2.4	0.00	0.00	0.00	1.1	ESE
8/11/2023 11:20:00	18.5	16.0	-2.5	0.00	0.00	0.00	1.1	N
8/11/2023 11:21:00	18.4	16.1	-2.3	0.00	0.00	0.00	1.2	ENE
8/11/2023 11:22:00	18.3	16.1	-2.2	0.00	0.00	0.00	1.4	ESE
8/11/2023 11:23:00	18.2	16.1	-2.1	0.00	0.00	0.00	1.4	E
8/11/2023 11:24:00	18.2	16.2	-1.9	0.00	0.00	0.00	1.4	NE
8/11/2023 11:25:00	18.2	16.6	-1.6	0.00	0.00	0.00	1.5	ENE
8/11/2023 11:26:00	18.1	16.8	-1.4	0.00	0.00	0.00	1.5	E
8/11/2023 11:27:00	18.2	16.8	-1.4	0.00	0.00	0.00	1.5	NNE
8/11/2023 11:28:00	18.4	17.1	-1.3	0.00	0.00	0.00	1.5	ENE
8/11/2023 11:29:00	18.4	17.2	-1.2	0.00	0.00	0.00	1.5	N
8/11/2023 11:30:00	18.4	17.4	-1.1	0.00	0.00	0.00	1.6	E
8/11/2023 11:31:00	18.4	17.6	-0.8	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
8/11/2023 11:32:00	18.0	17.9	-0.1	0.00	0.00	0.00	1.6	NNE
8/11/2023 11:33:00	17.9	17.7	-0.2	0.00	0.00	0.00	1.7	ENE
8/11/2023 11:34:00	17.8	17.5	-0.3	0.00	0.00	0.00	1.7	NE
8/11/2023 11:35:00	17.7	17.5	-0.2	0.00	0.00	0.00	1.7	E
8/11/2023 11:36:00	17.8	17.4	-0.4	0.00	0.00	0.00	1.6	ESE
8/11/2023 11:37:00	18.0	17.3	-0.7	0.00	0.00	0.00	1.6	E
8/11/2023 11:38:00	18.0	17.1	-0.9	0.00	0.00	0.00	1.7	E
8/11/2023 11:39:00	17.9	16.9	-1.0	0.00	0.00	0.00	1.7	E
8/11/2023 11:40:00	17.8	16.8	-1.1	0.00	0.00	0.00	1.7	ESE
8/11/2023 11:41:00	17.9	16.5	-1.4	0.00	0.00	0.00	1.7	ESE
8/11/2023 11:42:00	17.9	16.2	-1.7	0.00	0.00	0.00	1.7	E
8/11/2023 11:43:00	17.8	15.8	-1.9	0.00	0.00	0.00	1.7	E
8/11/2023 11:44:00	17.7	15.5	-2.2	0.00	0.00	0.00	1.7	SE
8/11/2023 11:45:00	17.5	15.1	-2.4	0.00	0.00	0.00	1.8	ESE
8/11/2023 11:46:00	17.4	14.8	-2.6	0.00	0.00	0.00	1.8	ESE
8/11/2023 11:47:00	17.5	14.3	-3.1	0.00	0.00	0.00	1.7	ENE
8/11/2023 11:48:00	17.4	14.4	-3.0	0.00	0.00	0.00	1.6	NE
8/11/2023 11:49:00	17.5	14.5	-3.0	0.00	0.00	0.00	1.6	E
8/11/2023 11:50:00	17.4	14.4	-3.0	0.00	0.00	0.00	1.6	E
8/11/2023 11:51:00	17.2	14.2	-3.0	0.00	0.00	0.00	1.6	E
8/11/2023 11:52:00	16.9	13.9	-3.1	0.00	0.00	0.00	1.5	E
8/11/2023 11:53:00	16.8	13.7	-3.1	0.00	0.00	0.00	1.4	ESE
8/11/2023 11:54:00	16.6	13.5	-3.2	0.00	0.00	0.00	1.5	ESE
8/11/2023 11:55:00	16.3	12.9	-3.5	0.00	0.00	0.00	1.6	ENE
8/11/2023 11:56:00	16.0	12.6	-3.4	0.00	0.00	0.00	1.6	ENE
8/11/2023 11:57:00	15.7	12.3	-3.4	0.00	0.00	0.00	1.5	ENE
8/11/2023 11:58:00	15.4	12.0	-3.5	0.00	0.00	0.00	1.5	SE
8/11/2023 11:59:00	15.4	11.9	-3.5	0.00	0.00	0.00	1.5	E
8/11/2023 12:00:00	15.3	11.8	-3.5	0.00	0.00	0.00	1.4	NE
8/11/2023 12:01:00	15.0	12.0	-3.0	0.00	0.00	0.00	1.3	SSW
8/11/2023 12:02:00	14.9	11.7	-3.1	0.00	0.00	0.00	1.4	ESE
8/11/2023 12:03:00	14.8	11.3	-3.5	0.00	0.00	0.00	1.4	E
8/11/2023 12:04:00	14.8	11.2	-3.7	0.00	0.00	0.00	1.4	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
8/11/2023 12:05:00	14.7	11.4	-3.3	0.00	0.00	0.00	1.3	NNW
8/11/2023 12:06:00	14.7	11.3	-3.4	0.00	0.00	0.00	1.4	E
8/11/2023 12:07:00	14.7	11.4	-3.3	0.00	0.00	0.00	1.4	ESE
8/11/2023 12:08:00	14.6	11.4	-3.2	0.00	0.00	0.00	1.3	NE
8/11/2023 12:09:00	14.6	11.6	-2.9	0.00	0.00	0.00	1.2	E
8/11/2023 12:10:00	14.6	11.9	-2.7	0.00	0.00	0.00	1.3	ENE
8/11/2023 12:11:00	14.7	12.2	-2.5	0.00	0.00	0.00	1.3	ESE
8/11/2023 12:12:00	14.8	12.4	-2.4	0.00	0.00	0.00	1.2	N
8/11/2023 12:13:00	14.9	12.5	-2.4	0.00	0.00	0.00	1.2	E
8/11/2023 12:14:00	14.9	12.5	-2.4	0.00	0.00	0.00	1.2	E
8/11/2023 12:15:00	15.0	12.6	-2.5	0.00	0.00	0.00	1.2	E
8/11/2023 12:16:00	15.2	12.3	-3.0	0.00	0.00	0.00	1.3	E
8/11/2023 12:17:00	15.2	12.2	-3.0	0.00	0.00	0.00	1.3	E
8/11/2023 12:18:00	15.0	12.1	-2.9	0.00	0.00	0.00	1.3	SE
8/11/2023 12:19:00	14.8	12.0	-2.9	0.00	0.00	0.00	1.3	SE
8/11/2023 12:20:00	15.0	11.6	-3.3	0.00	0.00	0.00	1.3	SE
8/11/2023 12:21:00	15.1	11.6	-3.5	0.00	0.00	0.00	1.1	NNE
8/11/2023 12:22:00	15.2	11.5	-3.6	0.00	0.00	0.00	1.2	ESE
8/11/2023 12:23:00	15.3	11.7	-3.5	0.00	0.00	0.00	1.2	ENE
8/11/2023 12:24:00	15.3	11.7	-3.6	0.00	0.00	0.00	1.3	ENE
8/11/2023 12:25:00	15.3	11.4	-3.8	0.00	0.00	0.00	1.3	ENE
8/11/2023 12:26:00	15.2	11.2	-4.0	0.00	0.00	0.00	1.3	E
8/11/2023 12:27:00	15.1	11.0	-4.0	0.00	0.00	0.00	1.4	SE
8/11/2023 12:28:00	14.7	11.2	-3.5	0.00	0.00	0.00	1.4	SW
8/11/2023 12:29:00	14.6	11.7	-2.9	0.00	0.00	0.00	1.4	SSW
8/11/2023 12:30:00	15.0	12.5	-2.5	0.00	0.00	0.00	1.4	S
8/11/2023 12:31:00	15.5	13.2	-2.4	0.00	0.00	0.00	1.4	ESE
8/11/2023 12:32:00	15.8	13.9	-1.9	0.00	0.00	0.00	1.4	ESE
8/11/2023 12:33:00	16.2	14.4	-1.7	0.00	0.00	0.00	1.5	SE
8/11/2023 12:34:00	16.5	14.8	-1.7	0.00	0.00	0.00	1.5	SW
8/11/2023 12:35:00	16.4	15.5	-0.9	0.00	0.00	0.00	1.6	ESE
8/11/2023 12:36:00	16.3	16.0	-0.3	0.00	0.00	0.00	1.7	ESE
8/11/2023 12:37:00	16.2	16.3	0.2	0.00	0.00	0.00	1.8	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
8/11/2023 12:38:00	16.1	16.5	0.4	0.00	0.00	0.00	1.8	ESE
8/11/2023 12:39:00	16.0	17.1	1.1	0.00	0.00	0.00	1.8	ESE
8/11/2023 12:40:00	16.0	17.7	1.7	0.00	0.00	0.00	1.7	SE
8/11/2023 12:41:00	15.9	18.5	2.6	0.00	0.00	0.00	1.6	E
8/11/2023 12:42:00	15.9	19.5	3.6	0.00	0.00	0.00	1.6	ESE
8/11/2023 12:43:00	16.0	19.6	3.5	0.00	0.00	0.00	1.6	SSE
8/11/2023 12:44:00	16.0	19.2	3.2	0.00	0.00	0.00	1.6	SE
8/11/2023 12:45:00	15.5	19.0	3.5	0.00	0.00	0.00	1.6	ESE
8/11/2023 12:46:00	15.0	18.5	3.5	0.00	0.00	0.00	1.6	SW
8/11/2023 12:47:00	15.0	17.9	2.9	0.00	0.00	0.00	1.6	WNW
8/11/2023 12:48:00	14.5	17.9	3.4	0.00	0.00	0.00	1.5	ESE
8/11/2023 12:49:00	14.1	18.0	4.0	0.00	0.00	0.00	1.6	E
8/11/2023 12:50:00	13.9	17.6	3.7	0.00	0.00	0.00	1.6	ESE
8/11/2023 12:51:00	13.8	17.1	3.3	0.00	0.00	0.00	1.6	E
8/11/2023 12:52:00	13.7	16.6	2.9	0.00	0.00	0.00	1.5	ESE
8/11/2023 12:53:00	13.6	16.4	2.7	0.00	0.00	0.00	1.5	ESE
8/11/2023 12:54:00	13.8	15.8	2.0	0.00	0.00	0.00	1.4	SW
8/11/2023 12:55:00	14.0	15.6	1.6	0.00	0.00	0.00	1.3	E
8/11/2023 12:56:00	14.1	15.1	1.1	0.00	0.00	0.00	1.3	ESE
8/11/2023 12:57:00	14.1	14.8	0.7	0.00	0.00	0.00	1.5	E
8/11/2023 12:58:00	14.2	15.5	1.4	0.00	0.00	0.00	1.6	NE
8/11/2023 12:59:00	14.2	16.1	1.8	0.00	0.00	0.00	1.6	E
8/11/2023 13:00:00	14.3	15.9	1.7	0.00	0.00	0.00	1.7	E
8/11/2023 13:01:00	14.2	16.2	2.1	0.00	0.00	0.00	1.7	ESE
8/11/2023 13:02:00	13.9	16.4	2.5	0.00	0.00	0.00	1.7	NNE
8/11/2023 13:03:00	14.3	16.2	2.0	0.00	0.00	0.00	1.6	ENE
8/11/2023 13:04:00	14.6	16.0	1.5	0.00	0.00	0.00	1.6	E
8/11/2023 13:05:00	14.8	16.1	1.3	0.00	0.00	0.00	1.5	SSW
8/11/2023 13:06:00	15.2	16.6	1.4	0.00	0.00	0.00	1.4	SSE
8/11/2023 13:07:00	15.8	17.4	1.7	0.00	0.00	0.00	1.3	E
8/11/2023 13:08:00	16.1	18.1	2.1	0.00	0.00	0.00	1.3	N
8/11/2023 13:09:00	15.9	18.6	2.6	0.00	0.00	0.00	1.3	N
8/11/2023 13:10:00	15.9	19.4	3.5	0.00	0.00	0.00	1.4	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
8/11/2023 13:11:00	15.9	20.1	4.2	0.00	0.00	0.00	1.4	E
8/11/2023 13:12:00	15.9	20.2	4.3	0.00	0.00	0.00	1.3	E
8/11/2023 13:13:00	15.9	20.0	4.1	0.00	0.00	0.00	1.4	ENE
8/11/2023 13:14:00	16.0	19.6	3.6	0.00	0.00	0.00	1.4	NW
8/11/2023 13:15:00	16.0	19.3	3.3	0.00	0.00	0.00	1.3	ENE
8/11/2023 13:16:00	15.9	19.2	3.3	0.00	0.00	0.00	1.4	E
8/11/2023 13:17:00	15.6	19.2	3.5	0.00	0.00	0.00	1.4	E
8/11/2023 13:18:00	15.2	19.1	3.9	0.00	0.00	0.00	1.6	E
8/11/2023 13:19:00	14.9	18.8	3.9	0.00	0.00	0.00	1.7	E
8/11/2023 13:20:00	14.7	18.8	4.0	0.00	0.00	0.00	2.0	E
8/11/2023 13:21:00	14.3	18.4	4.1	0.00	0.00	0.00	2.0	NE
8/11/2023 13:22:00	13.8	17.7	3.8	0.00	0.00	0.00	2.2	ENE
8/11/2023 13:23:00	13.5	17.1	3.6	0.00	0.00	0.00	2.2	NW
8/11/2023 13:24:00	13.7	16.7	3.1	0.00	0.00	0.00	2.2	S
8/11/2023 13:25:00	13.4	18.0	4.5	0.00	0.00	0.00	2.2	ENE
8/11/2023 13:26:00	13.2	18.3	5.0	0.00	0.00	0.00	2.4	ESE
8/11/2023 13:27:00	13.1	18.4	5.2	0.00	0.00	0.00	2.3	ESE
8/11/2023 13:28:00	13.0	20.0	7.0	0.00	0.00	0.00	2.2	SE
8/11/2023 13:29:00	12.7	21.6	8.9	0.00	0.00	0.00	2.2	SSE
8/11/2023 13:30:00	14.9	21.6	6.7	0.00	0.00	0.00	2.2	S
8/11/2023 13:31:00	14.8	23.6	8.7	0.00	0.00	0.00	2.1	NE
8/11/2023 13:32:00	14.8	25.5	10.7	0.00	0.00	0.00	2.2	ESE
8/11/2023 13:33:00	14.8	27.3	12.5	0.00	0.00	0.00	2.0	NNE
8/11/2023 13:34:00	14.9	28.0	13.1	0.00	0.00	0.00	2.0	E
8/11/2023 13:35:00	15.0	30.6	15.6	0.00	0.00	0.00	1.7	NNE
8/11/2023 13:36:00	15.0	34.0	18.9	0.00	0.00	0.00	1.7	ESE
8/11/2023 13:37:00	15.1	39.7	24.6	0.00	0.00	0.00	1.6	SE
8/11/2023 13:38:00	15.4	43.2	27.8	0.00	0.00	0.00	1.6	ESE
8/11/2023 13:39:00	15.1	47.0	31.9	0.00	0.00	0.00	1.6	ESE
8/11/2023 13:40:00	15.3	47.2	31.9	0.00	0.00	0.00	1.6	ESE
8/11/2023 13:41:00	16.1	46.0	29.9	0.00	0.00	0.00	1.4	WNW
8/11/2023 13:42:00	16.1	46.8	30.7	0.00	0.00	0.00	1.3	E
8/11/2023 13:43:00	16.1	45.8	29.7	0.00	0.00	0.00	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
8/11/2023 13:44:00	17.3	44.0	26.8	0.00	0.00	0.00	1.3	NNW
8/11/2023 13:45:00	15.0	45.1	30.1	0.00	0.00	0.00	1.3	ESE
8/11/2023 13:46:00	15.1	45.0	29.9	0.00	0.00	0.00	1.2	ESE
8/11/2023 13:47:00	15.1	43.7	28.6	0.00	0.00	0.00	1.2	ENE
8/11/2023 13:48:00	15.3	41.6	26.3	0.00	0.00	0.00	1.2	SW
8/11/2023 13:49:00	15.2	41.2	26.1	0.00	0.00	0.00	1.1	NNE
8/11/2023 13:50:00	15.0	38.7	23.7	0.00	0.00	0.00	1.2	ESE
8/11/2023 13:51:00	14.9	35.8	20.9	0.00	0.00	0.00	1.3	ESE
8/11/2023 13:52:00	14.9	30.2	15.3	0.00	0.00	0.00	1.5	E
8/11/2023 13:53:00	14.8	26.8	12.1	0.00	0.00	0.00	1.7	ESE
8/11/2023 13:54:00	14.8	23.0	8.1	0.00	0.00	0.00	1.8	ESE
8/11/2023 13:55:00	14.7	21.4	6.7	0.00	0.00	0.00	1.8	E
8/11/2023 13:56:00	14.1	22.0	7.9	0.00	0.00	0.00	1.9	E
8/11/2023 13:57:00	14.2	21.2	7.0	0.00	0.00	0.00	2.0	E
8/11/2023 13:58:00	14.4	20.2	5.8	0.00	0.00	0.00	2.0	SE
8/11/2023 13:59:00	13.2	20.7	7.5	0.00	0.00	0.00	2.0	ENE
8/11/2023 14:00:00	13.4	20.0	6.7	0.00	0.00	0.00	2.1	ENE
8/11/2023 14:01:00	13.4	17.8	4.4	0.00	0.00	0.00	2.2	ESE
8/11/2023 14:02:00	13.5	17.0	3.5	0.00	0.00	0.00	2.1	E
8/11/2023 14:03:00	13.3	17.2	3.9	0.00	0.00	0.00	2.2	ENE
8/11/2023 14:04:00	13.4	17.1	3.7	0.00	0.00	0.00	2.4	E
8/11/2023 14:05:00	13.6	17.2	3.6	0.00	0.00	0.00	2.4	E
8/11/2023 14:06:00	13.7	17.1	3.4	0.00	0.00	0.00	2.4	NE
8/11/2023 14:07:00	13.7	18.6	4.9	0.00	0.00	0.00	2.3	ESE
8/11/2023 14:08:00	13.7	19.8	6.1	0.00	0.00	0.00	2.0	ESE
8/11/2023 14:09:00	13.8	21.1	7.4	0.00	0.00	0.00	2.0	ESE
8/11/2023 14:10:00	13.8	20.4	6.6	0.00	0.00	0.00	1.9	SE
8/11/2023 14:11:00	13.7	20.8	7.1	0.00	0.00	0.00	1.9	SE
8/11/2023 14:12:00	15.9	20.2	4.3	0.00	0.00	0.00	1.7	S
8/11/2023 14:13:00	15.9	21.5	5.7	0.00	0.00	0.00	1.7	ESE
8/11/2023 14:14:00	15.9	21.9	6.0	0.00	0.00	0.00	1.8	E
8/11/2023 14:15:00	16.7	21.6	5.0	0.00	0.00	0.00	1.6	SSW
8/11/2023 14:16:00	16.6	22.4	5.8	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
8/11/2023 14:17:00	16.6	22.6	6.0	0.00	0.00	0.00	1.8	E
8/11/2023 14:18:00	16.5	23.0	6.5	0.00	0.00	0.00	1.9	E
8/11/2023 14:19:00	16.5	23.6	7.2	0.00	0.00	0.00	1.7	E
8/11/2023 14:20:00	16.3	23.5	7.1	0.00	0.00	0.00	1.6	ESE
8/11/2023 14:21:00	16.2	23.3	7.1	0.00	0.00	0.00	1.6	NNE
8/11/2023 14:22:00	16.0	22.3	6.3	0.00	0.00	0.00	1.6	ESE
8/11/2023 14:23:00	16.5	20.9	4.4	0.00	0.00	0.00	1.7	S
8/11/2023 14:24:00	16.3	19.6	3.3	0.00	0.00	0.00	1.6	N
8/11/2023 14:25:00	16.2	20.6	4.4	0.00	0.00	0.00	1.7	NE
8/11/2023 14:26:00	16.1	19.8	3.7	0.00	0.00	0.00	1.8	E
8/11/2023 14:27:00	13.8	19.9	6.0	0.00	0.00	0.00	1.9	E
8/11/2023 14:28:00	13.8	18.0	4.2	0.00	0.00	0.00	2.0	ENE
8/11/2023 14:29:00	13.7	17.0	3.3	0.00	0.00	0.00	2.0	ESE
8/11/2023 14:30:00	12.8	16.7	3.9	0.00	0.00	0.00	2.2	ESE
8/11/2023 14:31:00	12.7	16.1	3.4	0.00	0.00	0.00	2.2	E
8/11/2023 14:32:00	12.7	15.9	3.1	0.00	0.00	0.00	2.3	E
8/11/2023 14:33:00	12.7	15.2	2.4	0.00	0.00	0.00	2.4	ESE
8/11/2023 14:34:00	12.7	14.5	1.8	0.00	0.00	0.00	2.3	ESE
8/11/2023 14:35:00	12.7	14.4	1.8	0.00	0.00	0.00	2.3	E
8/11/2023 14:36:00	12.9	14.2	1.3	0.00	0.00	0.00	2.3	S
8/11/2023 14:37:00	12.9	13.8	0.9	0.00	0.00	0.00	2.3	ENE
8/11/2023 14:38:00	12.3	13.7	1.3	0.00	0.00	0.00	2.3	E
8/11/2023 14:39:00	12.3	13.2	0.9	0.00	0.00	0.00	2.5	ESE
8/11/2023 14:40:00	12.2	11.8	-0.5	0.00	0.00	0.00	2.4	ESE
8/11/2023 14:41:00	12.2	11.3	-0.8	0.00	0.00	0.00	2.2	NE
8/11/2023 14:42:00	12.1	11.2	-0.9	0.00	0.00	0.00	2.1	E
8/11/2023 14:43:00	12.0	11.2	-0.8	0.00	0.00	0.00	2.0	SE
8/11/2023 14:44:00	11.9	11.4	-0.6	0.00	0.00	0.00	2.0	SE
8/11/2023 14:45:00	11.9	11.4	-0.5	0.00	0.00	0.00	1.8	N
8/11/2023 14:46:00	11.8	11.2	-0.6	0.00	0.00	0.00	1.7	N
8/11/2023 14:47:00	11.7	11.5	-0.2	0.00	0.00	0.00	1.4	E
8/11/2023 14:48:00	11.6	11.6	0.0	0.00	0.00	0.00	1.3	E
8/11/2023 14:49:00	11.6	11.6	0.1	0.00	0.00	0.00	1.3	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
8/11/2023 14:50:00	11.5	11.3	-0.1	0.00	0.00	0.00	1.4	E
8/11/2023 14:51:00	11.2	11.2	0.0	0.00	0.01	0.01	1.5	ESE
8/11/2023 14:52:00	11.1	10.8	-0.3	0.00	0.03	0.03	1.4	ENE
8/11/2023 14:53:00	11.1	10.7	-0.3	0.00	0.03	0.03	1.4	E
8/11/2023 14:54:00	11.1	11.0	-0.1	0.00	0.03	0.03	1.3	SE
8/11/2023 14:55:00	11.0	11.0	0.0	0.00	0.03	0.03	1.5	E
8/11/2023 14:56:00	11.0	10.9	0.0	0.00	0.03	0.03	1.5	E
8/11/2023 14:57:00	10.9	10.7	-0.3	0.00	0.03	0.03	1.5	SE
8/11/2023 14:58:00	10.9	10.4	-0.5	0.00	0.03	0.03	1.5	E
8/11/2023 14:59:00	10.9	10.2	-0.7	0.00	0.03	0.03	1.5	ESE
8/11/2023 15:00:00	10.9	10.7	-0.2	0.00	0.03	0.03	1.5	SE
8/11/2023 15:01:00	10.9	11.0	0.2	0.00	0.03	0.03	1.5	E
8/11/2023 15:02:00				0.00	0.03	0.03	1.5	SE
8/11/2023 15:03:00				0.00	0.03	0.03	1.6	ESE
8/11/2023 15:04:00	11.1	10.5	-0.6	0.00	0.03	0.03	1.6	E
8/11/2023 15:05:00	11.1	10.4	-0.6	0.00	0.03	0.03	1.5	SE
8/11/2023 15:06:00	11.2	10.5	-0.6	0.00	0.02	0.02	1.4	ESE