

DAILY FIELD REPORT 128

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

Prepared By: LANGAN

BCP Project No:	C231153	Date:	November 27, 2023
------------------------	---------	--------------	-------------------

Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 2:30 pm
----------------------	---	--------------	--------------------

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Langan Field Personnel:
Caitlyn Dempsey (Environmental)
Mario Hernandez (Geotechnical)

Construction Manager: Consigli Construction Co., Inc. (Consigli)

Foundation Contractor: Urban Foundation/Engineering (Urban)

Drilling Contractor: Aquifer Drilling Testing (ADT)

Work Activities Performed:

- Aquifer Drilling and Testing (ADT) under contract to Urban advanced one, 3-inch core (ISS-3B-C1) through the center of in-situ stabilization (ISS) Column #3B to about 10.5 feet below grade surface (bgs) (about elevation^[1] -3.5) using an Acker Diesel Restricted Access Drill (RAD) mobile drilling rig with a 5-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). Elevated PID readings were not observed. Detailed soil mix coring logs will be included in the Final Engineering Report (FER).
- Urban excavated an about 10-foot-long by 5-foot-wide area to about 5 feet bgs in the northeastern part of grid WC05_0-5 to prepare for soldier pile installation. Excavated soil/fill was graded adjacent to the excavation area.
- Urban excavated an about 30-foot-long by 10-foot-wide area from about 10 feet bgs to about 20 feet bgs in the eastern part of grids WC03_10-15 and WC03_15-20 to assist with caisson installation. Excavated soil/fill was graded adjacent to the excavation area.
- Urban graded an about 40-foot-long by 40-foot-wide area of soil/fill in the eastern part of WC02 to prepare for equipment mobilization.
- Urban used an excavator with a jack hammer attachment to break up concrete in the eastern part of waste characterization grid WC05 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.

Material Tracking:

- The following soil/fill was exported from the site:
 - 6 loads of soil/fill from waste characterization grids WC02_0-5, WC02_5-10, WC02_10-15, WC03_5-10, WC03_10-15, WC03_15-20, WC04_0-5 and/or WC05_0-5 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, 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	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	0	-	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)
	129	2,540	135	2,700	0	-	15	300

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

Samples Collected:

- Langan collected two soil-mix core samples (ISS-3-B_el_4_to_5 and ISS-3-B_el_0_to_N1.5) for laboratory analysis of compressive strength and hydraulic conductivity as part of the soil mix QA/QC program. The core samples will be analyzed for compressive strength by Fenagh Engineering and hydraulic conductivity by TerraSense.

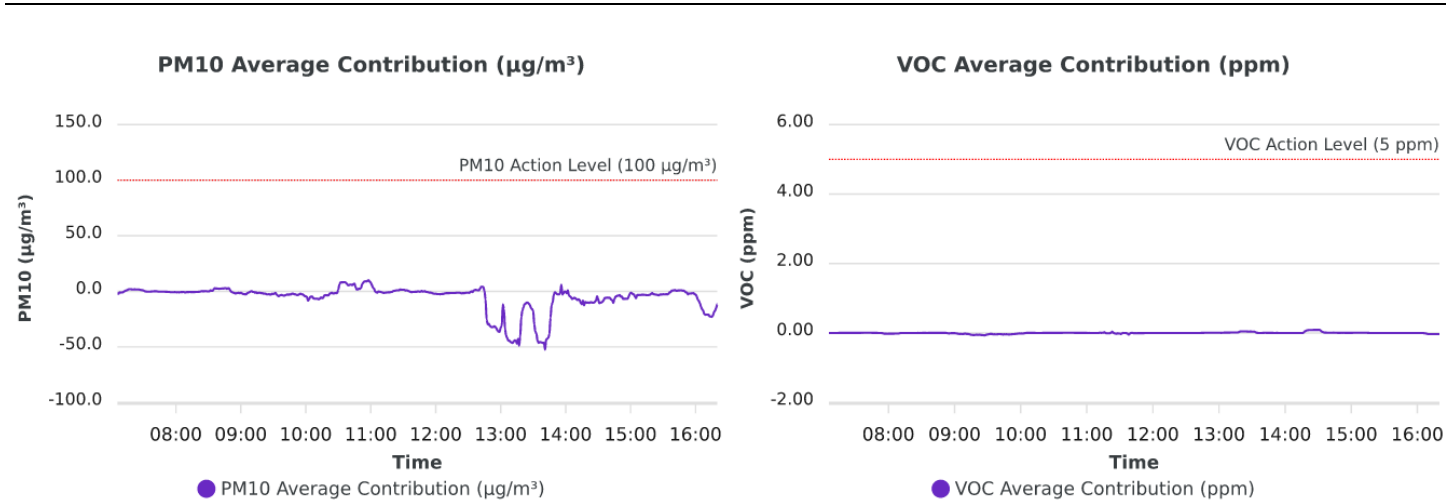
Air Monitoring:

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 levels of 100 µg/m³ or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	22.2	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-52.4	VOC Average Site Contribution (Minimum)	-0.07
PM10 Average Site Contribution (Maximum)	10.0	VOC Average Site Contribution (Maximum)	0.09

µg/m³: micrograms per cubic meter.

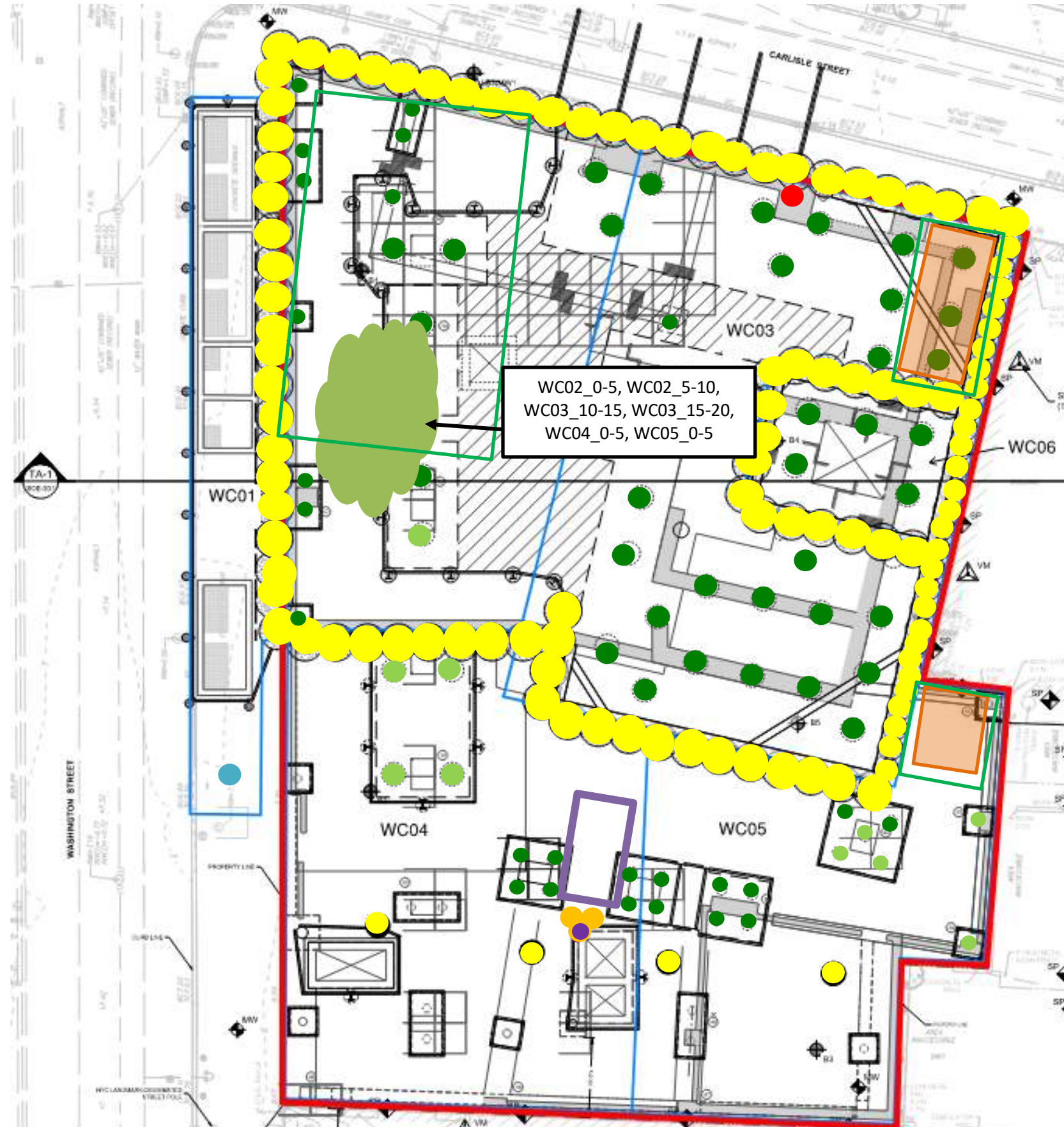
ppm: parts per million.



Planned Activities:

- Urban will continue advancing core ISS-3B-C1 to about 25 feet bgs and advancing additional cores through the previously installed ISS columns for sampling and analysis.
- 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**
- **Soil-Mix Core (in progress)**
- 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 a truck with soil/fill for off-site disposal (facing northeast).



Photo 2: View of Urban excavating soil/fill in WC03_10-15 (facing east).



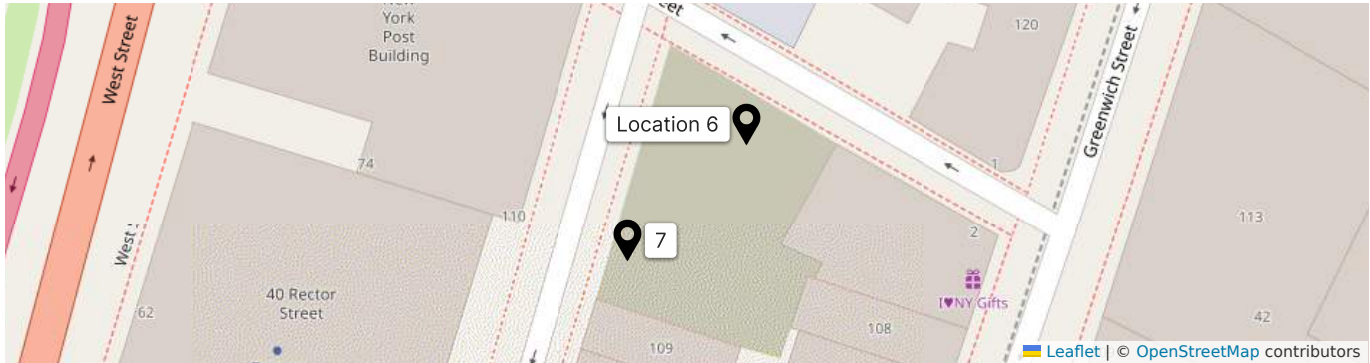
Photo 3: View of a collected soil mix core from ISS Column #3B.



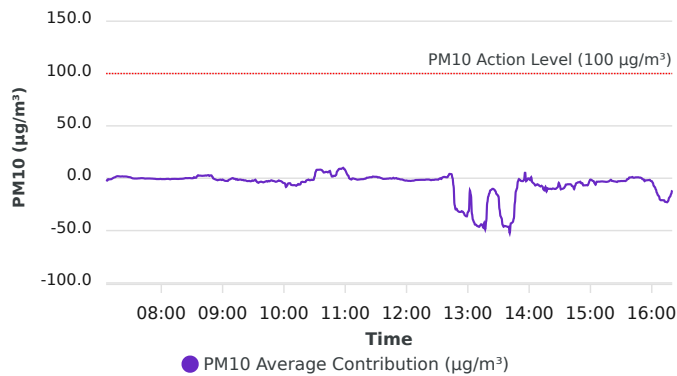
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	11/27/2023 06:00
		To:	11/27/2023 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
11/27/2023	0.3-1.9	ESE

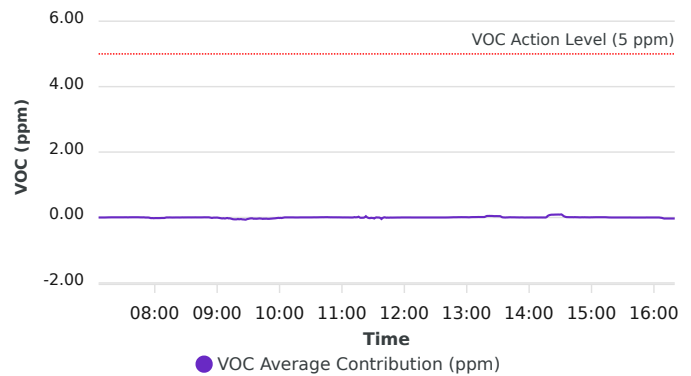
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 11/27/2023	-52.4	13:41	-0.07	09:27
Max Contribution (15 min avg.) - 11/27/2023	10.0	10:58	0.09	14:31



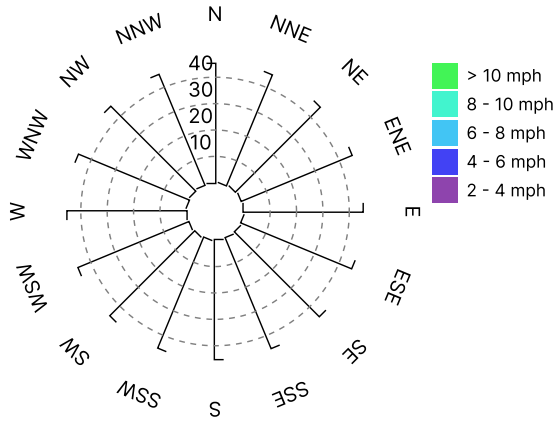
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
11/27/2023 07:06:00	22.2	20.6	-1.6	0.00	0.00	0.00	0.8	ESE
11/27/2023 07:07:00	21.7	19.4	-2.2	0.00	0.00	0.00	0.8	W
11/27/2023 07:08:00	19.6	18.7	-0.9	0.00	0.00	0.00	0.9	E
11/27/2023 07:09:00	18.7	17.6	-1.1	0.00	0.00	0.00	0.8	SSW
11/27/2023 07:10:00	17.8	16.8	-1.0	0.00	0.00	0.00	0.7	S
11/27/2023 07:11:00	17.3	16.4	-0.9	0.00	0.00	0.00	0.7	WSW
11/27/2023 07:12:00	16.7	16.4	-0.3	0.00	0.00	0.00	0.8	ESE
11/27/2023 07:13:00	16.2	16.6	0.3	0.00	0.00	0.00	0.8	SE
11/27/2023 07:14:00	15.8	16.6	0.8	0.00	0.00	0.00	0.8	E
11/27/2023 07:15:00	15.5	16.5	1.0	0.00	0.00	0.00	0.8	ENE
11/27/2023 07:16:00	15.2	16.9	1.7	0.00	0.00	0.00	0.8	NE
11/27/2023 07:17:00	14.9	16.9	1.9	0.00	0.00	0.00	0.9	E
11/27/2023 07:18:00	14.7	16.6	1.9	0.00	0.01	0.01	0.9	ESE
11/27/2023 07:19:00	14.4	16.2	1.8	0.00	0.01	0.01	0.9	E
11/27/2023 07:20:00	14.2	15.9	1.6	0.00	0.01	0.01	0.9	ESE
11/27/2023 07:21:00	13.5	15.2	1.7	0.00	0.01	0.01	0.9	ESE
11/27/2023 07:22:00	12.9	14.7	1.8	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:23:00	12.6	14.2	1.6	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:24:00	12.3	14.0	1.7	0.00	0.01	0.01	1.0	E
11/27/2023 07:25:00	12.1	13.8	1.7	0.00	0.01	0.01	1.0	E
11/27/2023 07:26:00	11.9	13.5	1.6	0.00	0.01	0.01	1.1	E
11/27/2023 07:27:00	11.8	13.2	1.4	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:28:00	11.7	12.9	1.1	0.00	0.01	0.01	1.0	E
11/27/2023 07:29:00	11.7	12.7	1.0	0.00	0.01	0.01	1.0	E
11/27/2023 07:30:00	11.6	12.5	0.8	0.00	0.01	0.01	1.1	E
11/27/2023 07:31:00	11.6	11.8	0.3	0.00	0.01	0.01	1.1	ESE
11/27/2023 07:32:00	11.6	11.5	-0.1	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:33:00	11.6	11.4	-0.2	0.00	0.01	0.01	1.1	E
11/27/2023 07:34:00	11.7	11.4	-0.3	0.00	0.01	0.00	1.0	SE
11/27/2023 07:35:00	11.7	11.4	-0.3	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:36:00	11.7	11.4	-0.3	0.00	0.01	0.01	1.0	ESE
11/27/2023 07:37:00	11.6	11.4	-0.2	0.00	0.01	0.01	1.0	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/27/2023 07:38:00	11.6	11.5	-0.1	0.00	0.01	0.01	1.0	E
11/27/2023 07:39:00	11.5	11.4	-0.1	0.00	0.01	0.01	1.1	ESE
11/27/2023 07:40:00	11.4	11.5	0.1	0.00	0.01	0.01	1.0	W
11/27/2023 07:41:00	11.3	11.4	0.1	0.00	0.01	0.01	1.0	NE
11/27/2023 07:42:00	11.3	11.3	0.0	0.00	0.01	0.01	1.0	E
11/27/2023 07:43:00	11.2	11.1	-0.1	0.00	0.01	0.01	1.1	E
11/27/2023 07:44:00	11.1	10.8	-0.3	0.00	0.01	0.01	1.0	N
11/27/2023 07:45:00	11.0	10.7	-0.3	0.01	0.01	0.01	1.0	SSW
11/27/2023 07:46:00	10.9	10.7	-0.3	0.01	0.01	0.00	1.0	SW
11/27/2023 07:47:00	10.8	10.6	-0.3	0.01	0.01	0.00	1.0	E
11/27/2023 07:48:00	10.8	10.5	-0.3	0.00	0.01	0.00	1.0	E
11/27/2023 07:49:00	10.7	10.4	-0.3	0.00	0.01	0.01	1.0	E
11/27/2023 07:50:00	10.7	10.3	-0.4	0.00	0.01	0.00	1.0	E
11/27/2023 07:51:00	10.6	10.2	-0.4	0.01	0.01	0.00	1.0	E
11/27/2023 07:52:00	10.6	10.2	-0.5	0.01	0.01	0.00	1.0	E
11/27/2023 07:53:00	10.6	10.1	-0.5	0.01	0.01	0.00	0.9	SE
11/27/2023 07:54:00	10.6	10.0	-0.6	0.01	0.01	0.00	0.9	N
11/27/2023 07:55:00	10.7	9.9	-0.8	0.01	0.01	-0.01	0.9	E
11/27/2023 07:56:00	10.7	9.8	-0.8	0.03	0.01	-0.02	0.9	SE
11/27/2023 07:57:00	10.7	9.8	-0.8	0.03	0.01	-0.02	0.9	E
11/27/2023 07:58:00	10.7	9.9	-0.8	0.03	0.01	-0.02	0.9	E
11/27/2023 07:59:00	10.7	10.0	-0.6	0.04	0.01	-0.02	0.9	SSE
11/27/2023 08:00:00	10.8	9.9	-0.8	0.04	0.02	-0.02	0.9	ESE
11/27/2023 08:01:00	10.8	10.0	-0.8	0.04	0.02	-0.02	0.9	E
11/27/2023 08:02:00	10.8	10.0	-0.8	0.04	0.02	-0.02	0.9	NNE
11/27/2023 08:03:00	10.9	10.1	-0.9	0.04	0.02	-0.02	0.9	SW
11/27/2023 08:04:00	10.9	10.1	-0.8	0.04	0.02	-0.02	0.8	E
11/27/2023 08:05:00	10.9	10.3	-0.7	0.04	0.02	-0.02	0.8	WNW
11/27/2023 08:06:00	11.0	10.4	-0.6	0.03	0.02	-0.02	0.9	ESE
11/27/2023 08:07:00	11.0	10.4	-0.6	0.03	0.02	-0.01	0.9	NE
11/27/2023 08:08:00	11.3	10.4	-0.9	0.03	0.01	-0.01	0.9	SE
11/27/2023 08:09:00	11.5	10.5	-1.0	0.03	0.01	-0.01	0.9	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
11/27/2023 08:10:00	11.5	10.8	-0.7	0.02	0.01	-0.01	0.9	SE
11/27/2023 08:11:00	11.7	11.0	-0.6	0.01	0.01	0.00	0.9	NW
11/27/2023 08:12:00	11.8	11.1	-0.6	0.01	0.01	0.00	0.9	ESE
11/27/2023 08:13:00	11.8	11.2	-0.6	0.01	0.01	0.00	0.8	ESE
11/27/2023 08:14:00	11.8	11.2	-0.6	0.01	0.01	0.00	0.8	SSE
11/27/2023 08:15:00	11.9	11.2	-0.7	0.00	0.01	0.00	0.9	E
11/27/2023 08:16:00	11.9	11.2	-0.7	0.00	0.00	0.00	0.8	ESE
11/27/2023 08:17:00	12.0	11.3	-0.7	0.00	0.00	0.00	0.9	E
11/27/2023 08:18:00	11.9	11.4	-0.6	0.00	0.00	0.00	0.9	E
11/27/2023 08:19:00	12.0	11.5	-0.5	0.00	0.00	0.00	0.9	ENE
11/27/2023 08:20:00	12.0	11.5	-0.5	0.00	0.00	0.00	0.9	E
11/27/2023 08:21:00	12.0	11.6	-0.4	0.00	0.00	0.00	0.9	WSW
11/27/2023 08:22:00	12.0	11.7	-0.3	0.00	0.00	0.00	0.9	SSE
11/27/2023 08:23:00	11.8	11.8	-0.1	0.00	0.00	0.00	0.9	E
11/27/2023 08:24:00	11.8	12.0	0.2	0.00	0.00	0.00	0.9	E
11/27/2023 08:25:00	12.0	12.0	0.1	0.00	0.01	0.00	0.9	ENE
11/27/2023 08:26:00	11.9	12.0	0.1	0.00	0.01	0.00	0.9	ENE
11/27/2023 08:27:00	11.9	12.1	0.1	0.00	0.01	0.00	1.0	ESE
11/27/2023 08:28:00	12.0	12.2	0.2	0.00	0.00	0.00	1.0	SE
11/27/2023 08:29:00	12.2	12.2	0.0	0.00	0.00	0.00	1.0	ESE
11/27/2023 08:30:00	12.3	12.3	-0.1	0.00	0.00	0.00	0.9	E
11/27/2023 08:31:00	12.4	12.4	0.0	0.00	0.00	0.00	1.0	ENE
11/27/2023 08:32:00	12.5	13.5	1.0	0.00	0.01	0.00	0.9	E
11/27/2023 08:33:00	13.0	13.5	0.5	0.00	0.01	0.00	0.9	SW
11/27/2023 08:34:00	13.1	13.5	0.5	0.00	0.00	0.00	0.9	W
11/27/2023 08:35:00	13.2	15.1	1.9	0.00	0.00	0.00	0.9	E
11/27/2023 08:36:00	13.3	16.1	2.8	0.00	0.00	0.00	0.9	E
11/27/2023 08:37:00	13.7	16.2	2.5	0.00	0.00	0.00	0.9	SSW
11/27/2023 08:38:00	13.8	16.3	2.5	0.00	0.01	0.00	0.8	ESE
11/27/2023 08:39:00	13.8	16.2	2.4	0.00	0.01	0.00	0.8	ESE
11/27/2023 08:40:00	13.9	16.2	2.3	0.00	0.01	0.00	0.8	E
11/27/2023 08:41:00	13.9	16.3	2.4	0.00	0.01	0.00	0.8	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/27/2023 08:42:00	14.0	16.4	2.4	0.00	0.01	0.00	0.8	ENE
11/27/2023 08:43:00	13.9	16.6	2.7	0.00	0.01	0.00	0.8	ENE
11/27/2023 08:44:00	14.2	16.7	2.5	0.00	0.01	0.00	0.8	S
11/27/2023 08:45:00	14.2	17.0	2.8	0.00	0.01	0.00	0.8	E
11/27/2023 08:46:00	14.3	17.2	2.9	0.00	0.01	0.00	0.8	E
11/27/2023 08:47:00	14.2	16.5	2.2	0.00	0.01	0.01	0.8	ESE
11/27/2023 08:48:00	13.8	16.4	2.7	0.00	0.01	0.01	0.8	E
11/27/2023 08:49:00	13.7	16.4	2.7	0.00	0.01	0.01	0.8	W
11/27/2023 08:50:00	13.6	15.0	1.4	0.00	0.01	0.01	0.8	S
11/27/2023 08:51:00	14.3	14.0	-0.3	0.00	0.01	0.01	0.8	E
11/27/2023 08:52:00	14.7	13.9	-0.7	0.00	0.01	0.01	0.9	E
11/27/2023 08:53:00	15.1	13.9	-1.2	0.01	0.01	0.00	0.9	ESE
11/27/2023 08:54:00	15.5	14.0	-1.5	0.01	0.01	-0.01	0.8	E
11/27/2023 08:55:00	15.8	13.9	-1.9	0.02	0.01	-0.01	0.8	E
11/27/2023 08:56:00	15.8	14.1	-1.6	0.02	0.01	-0.01	0.8	S
11/27/2023 08:57:00	15.7	14.2	-1.5	0.02	0.01	0.00	0.8	SSW
11/27/2023 08:58:00	15.6	14.3	-1.3	0.02	0.01	-0.01	0.8	W
11/27/2023 08:59:00	15.9	14.2	-1.7	0.02	0.01	0.00	0.8	ENE
11/27/2023 09:00:00	15.8	14.5	-1.3	0.02	0.02	0.00	0.8	WSW
11/27/2023 09:01:00	16.1	14.3	-1.8	0.02	0.01	-0.01	0.8	ESE
11/27/2023 09:02:00	16.5	14.1	-2.4	0.03	0.01	-0.01	0.8	NNE
11/27/2023 09:03:00	16.8	14.3	-2.6	0.03	0.01	-0.02	0.7	NNW
11/27/2023 09:04:00	17.0	14.4	-2.6	0.04	0.01	-0.03	0.7	ENE
11/27/2023 09:05:00	17.1	14.5	-2.6	0.04	0.01	-0.03	0.7	ESE
11/27/2023 09:06:00	16.6	15.0	-1.6	0.04	0.02	-0.02	0.7	SSW
11/27/2023 09:07:00	16.3	15.2	-1.2	0.05	0.02	-0.03	0.6	NE
11/27/2023 09:08:00	16.0	15.4	-0.7	0.05	0.02	-0.03	0.6	ENE
11/27/2023 09:09:00	15.6	15.5	-0.1	0.04	0.02	-0.02	0.6	SW
11/27/2023 09:10:00	15.4	15.6	0.1	0.04	0.02	-0.02	0.6	E
11/27/2023 09:11:00	15.8	15.3	-0.5	0.04	0.02	-0.03	0.6	ESE
11/27/2023 09:12:00	15.9	15.4	-0.5	0.04	0.02	-0.03	0.6	W
11/27/2023 09:13:00	16.2	15.0	-1.3	0.05	0.02	-0.03	0.6	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
11/27/2023 09:14:00	15.8	14.9	-0.8	0.06	0.02	-0.04	0.6	E
11/27/2023 09:15:00	15.9	14.3	-1.6	0.07	0.02	-0.05	0.6	E
11/27/2023 09:16:00	15.7	14.3	-1.4	0.07	0.02	-0.06	0.6	ESE
11/27/2023 09:17:00	15.3	14.1	-1.2	0.08	0.02	-0.06	0.6	E
11/27/2023 09:18:00	15.3	13.9	-1.4	0.07	0.02	-0.06	0.6	E
11/27/2023 09:19:00	15.4	13.6	-1.7	0.07	0.02	-0.06	0.7	SE
11/27/2023 09:20:00	15.1	13.5	-1.6	0.07	0.02	-0.04	0.7	W
11/27/2023 09:21:00	15.1	13.0	-2.1	0.07	0.02	-0.06	0.7	SE
11/27/2023 09:22:00	14.7	12.8	-2.0	0.07	0.02	-0.05	0.7	ESE
11/27/2023 09:23:00	14.7	12.4	-2.3	0.07	0.02	-0.05	0.7	E
11/27/2023 09:24:00	14.8	12.0	-2.7	0.07	0.01	-0.06	0.7	E
11/27/2023 09:25:00	14.6	11.9	-2.7	0.07	0.01	-0.06	0.7	ENE
11/27/2023 09:26:00	14.3	11.7	-2.5	0.07	0.01	-0.06	0.8	E
11/27/2023 09:27:00	14.3	11.4	-2.9	0.07	0.01	-0.07	0.8	E
11/27/2023 09:28:00	14.1	11.3	-2.8	0.07	0.01	-0.06	0.8	E
11/27/2023 09:29:00	13.7	11.6	-2.1	0.06	0.01	-0.05	0.8	S
11/27/2023 09:30:00	14.0	11.5	-2.5	0.05	0.01	-0.04	0.8	SE
11/27/2023 09:31:00	13.7	11.7	-2.1	0.04	0.01	-0.03	0.8	SW
11/27/2023 09:32:00	13.5	12.1	-1.4	0.04	0.01	-0.03	0.8	SSW
11/27/2023 09:33:00	14.8	12.1	-2.8	0.04	0.01	-0.03	0.8	ENE
11/27/2023 09:34:00	15.9	12.0	-3.9	0.04	0.01	-0.03	0.8	E
11/27/2023 09:35:00	16.2	11.8	-4.4	0.04	0.01	-0.04	0.8	NE
11/27/2023 09:36:00	16.2	12.4	-3.8	0.04	0.01	-0.04	0.8	E
11/27/2023 09:37:00	16.2	12.8	-3.4	0.04	0.01	-0.04	0.8	ESE
11/27/2023 09:38:00	16.5	13.2	-3.3	0.04	0.01	-0.04	0.8	ENE
11/27/2023 09:39:00	17.0	13.3	-3.7	0.04	0.01	-0.04	0.8	ESE
11/27/2023 09:40:00	17.4	13.4	-4.0	0.04	0.01	-0.03	0.7	SE
11/27/2023 09:41:00	17.7	14.1	-3.5	0.03	0.01	-0.03	0.7	E
11/27/2023 09:42:00	17.8	14.7	-3.1	0.04	0.01	-0.03	0.8	ESE
11/27/2023 09:43:00	17.8	15.0	-2.8	0.04	0.01	-0.04	0.8	E
11/27/2023 09:44:00	18.0	14.8	-3.2	0.04	0.00	-0.04	0.8	E
11/27/2023 09:45:00	17.8	15.2	-2.6	0.04	0.01	-0.04	0.8	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
11/27/2023 09:46:00	18.1	15.2	-2.9	0.05	0.01	-0.04	0.8	ESE
11/27/2023 09:47:00	18.1	15.9	-2.2	0.05	0.01	-0.03	0.8	S
11/27/2023 09:48:00	17.7	15.7	-2.0	0.05	0.01	-0.04	0.8	ESE
11/27/2023 09:49:00	18.1	15.5	-2.5	0.05	0.01	-0.04	0.8	SE
11/27/2023 09:50:00	18.0	15.4	-2.6	0.05	0.01	-0.04	0.8	E
11/27/2023 09:51:00	17.7	14.7	-3.0	0.05	0.01	-0.04	0.8	SE
11/27/2023 09:52:00	17.4	14.0	-3.4	0.05	0.01	-0.04	0.8	ESE
11/27/2023 09:53:00	16.7	13.5	-3.2	0.04	0.01	-0.03	0.8	E
11/27/2023 09:54:00	15.9	13.3	-2.7	0.04	0.01	-0.03	0.8	E
11/27/2023 09:55:00	15.2	13.1	-2.1	0.04	0.01	-0.03	0.8	SW
11/27/2023 09:56:00	14.7	12.1	-2.6	0.04	0.01	-0.02	0.8	ESE
11/27/2023 09:57:00	14.2	11.5	-2.8	0.03	0.01	-0.02	0.8	S
11/27/2023 09:58:00	14.3	10.9	-3.3	0.03	0.01	-0.01	0.7	SE
11/27/2023 09:59:00	14.7	10.4	-4.3	0.02	0.01	-0.01	0.7	E
11/27/2023 10:00:00	14.4	9.8	-4.5	0.02	0.01	-0.01	0.8	ESE
11/27/2023 10:01:00	14.3	9.3	-5.0	0.02	0.01	-0.01	0.7	E
11/27/2023 10:02:00	16.4	8.0	-8.4	0.02	0.00	-0.02	0.8	ESE
11/27/2023 10:03:00	15.1	7.9	-7.2	0.01	0.00	-0.01	0.8	E
11/27/2023 10:04:00	13.1	8.0	-5.1	0.01	0.00	0.00	0.8	SW
11/27/2023 10:05:00	12.7	8.0	-4.8	0.00	0.00	0.00	0.8	E
11/27/2023 10:06:00	12.8	8.0	-4.8	0.00	0.00	0.00	0.8	SSE
11/27/2023 10:07:00	14.3	8.0	-6.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 10:08:00	14.6	8.0	-6.6	0.00	0.00	0.00	0.8	SE
11/27/2023 10:09:00	14.5	7.8	-6.7	0.00	0.00	0.00	0.8	NNW
11/27/2023 10:10:00	14.4	7.9	-6.5	0.00	0.00	0.00	0.8	S
11/27/2023 10:11:00	14.5	7.8	-6.7	0.00	0.00	0.00	0.8	E
11/27/2023 10:12:00	14.9	7.7	-7.2	0.00	0.00	0.00	0.8	ESE
11/27/2023 10:13:00	14.4	7.9	-6.5	0.00	0.00	0.00	0.8	WNW
11/27/2023 10:14:00	13.7	8.1	-5.5	0.00	0.00	0.00	0.8	E
11/27/2023 10:15:00	14.6	8.4	-6.1	0.00	0.00	0.00	0.8	SSE
11/27/2023 10:16:00	14.5	8.6	-5.9	0.00	0.00	0.00	0.8	ESE
11/27/2023 10:17:00	12.5	8.7	-3.8	0.00	0.00	0.00	0.8	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
11/27/2023 10:18:00	12.5	9.1	-3.4	0.00	0.00	0.00	0.7	ENE
11/27/2023 10:19:00	12.7	9.1	-3.6	0.00	0.00	0.00	0.7	E
11/27/2023 10:20:00	12.7	9.1	-3.6	0.00	0.00	0.00	0.7	E
11/27/2023 10:21:00	12.7	9.1	-3.6	0.00	0.00	0.00	0.8	E
11/27/2023 10:22:00	11.2	9.1	-2.0	0.00	0.00	0.00	0.8	ESE
11/27/2023 10:23:00	10.9	9.3	-1.7	0.00	0.00	0.00	0.8	ESE
11/27/2023 10:24:00	10.9	9.6	-1.3	0.00	0.00	0.00	0.8	E
11/27/2023 10:25:00	11.4	9.5	-1.9	0.00	0.00	0.00	0.8	ENE
11/27/2023 10:26:00	11.6	9.7	-1.9	0.00	0.00	0.00	0.8	E
11/27/2023 10:27:00	11.5	10.0	-1.5	0.00	0.00	0.00	0.8	E
11/27/2023 10:28:00	11.7	10.0	-1.7	0.00	0.00	0.00	0.8	ESE
11/27/2023 10:29:00	11.8	10.3	-1.5	0.00	0.00	0.00	0.8	E
11/27/2023 10:30:00	10.9	12.3	1.4	0.00	0.00	0.00	0.8	SE
11/27/2023 10:31:00	10.9	16.9	6.0	0.00	0.00	0.00	0.8	SE
11/27/2023 10:32:00	10.8	18.8	8.0	0.00	0.00	0.00	0.7	ESE
11/27/2023 10:33:00	10.8	18.8	8.1	0.00	0.01	0.01	0.8	E
11/27/2023 10:34:00	10.8	18.9	8.1	0.00	0.01	0.01	0.8	ESE
11/27/2023 10:35:00	10.8	19.0	8.2	0.00	0.01	0.00	0.8	SSE
11/27/2023 10:36:00	10.9	19.1	8.2	0.00	0.01	0.01	0.8	E
11/27/2023 10:37:00	11.3	19.1	7.8	0.00	0.01	0.01	0.8	E
11/27/2023 10:38:00	12.4	19.1	6.7	0.00	0.01	0.01	0.9	E
11/27/2023 10:39:00	13.4	18.9	5.5	0.00	0.01	0.01	0.9	ENE
11/27/2023 10:40:00	13.2	18.9	5.6	0.00	0.01	0.01	0.9	E
11/27/2023 10:41:00	12.8	18.8	6.1	0.00	0.01	0.01	1.0	ESE
11/27/2023 10:42:00	12.7	18.7	6.0	0.00	0.01	0.01	1.0	WSW
11/27/2023 10:43:00	12.8	18.4	5.6	0.00	0.01	0.01	1.0	E
11/27/2023 10:44:00	13.0	19.4	6.5	0.00	0.01	0.01	1.0	ESE
11/27/2023 10:45:00	13.0	19.9	6.9	0.00	0.01	0.01	1.0	E
11/27/2023 10:46:00	12.7	16.5	3.8	0.00	0.01	0.01	1.1	ENE
11/27/2023 10:47:00	12.9	14.5	1.6	0.00	0.01	0.01	1.1	SSE
11/27/2023 10:48:00	12.7	14.4	1.7	0.00	0.01	0.01	1.0	ENE
11/27/2023 10:49:00	12.4	14.8	2.4	0.00	0.01	0.01	1.0	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
11/27/2023 10:50:00	12.5	14.7	2.2	0.00	0.01	0.01	1.0	SSE
11/27/2023 10:51:00	12.5	15.5	3.0	0.00	0.01	0.01	1.0	E
11/27/2023 10:52:00	12.4	18.9	6.4	0.00	0.01	0.01	1.0	SE
11/27/2023 10:53:00	11.3	19.0	7.7	0.00	0.01	0.01	0.9	NNW
11/27/2023 10:54:00	10.1	19.0	8.9	0.00	0.01	0.01	0.9	E
11/27/2023 10:55:00	9.9	18.9	9.0	0.00	0.01	0.01	0.9	E
11/27/2023 10:56:00	9.9	18.8	8.9	0.00	0.01	0.00	0.9	ESE
11/27/2023 10:57:00	9.8	19.3	9.4	0.00	0.01	0.01	0.9	E
11/27/2023 10:58:00	9.8	19.9	10.0	0.00	0.01	0.00	0.9	E
11/27/2023 10:59:00	9.8	18.5	8.7	0.00	0.01	0.00	0.9	S
11/27/2023 11:00:00				0.00	0.00	0.00	0.9	ESE
11/27/2023 11:01:00				0.00	0.00	0.00	0.9	SE
11/27/2023 11:02:00				0.00	0.00	0.00	0.8	ESE
11/27/2023 11:03:00	4.2	6.7	2.5	0.00	0.00	0.00	0.8	SW
11/27/2023 11:04:00	6.3	6.2	-0.1	0.00	0.00	0.00	0.8	ENE
11/27/2023 11:05:00	6.0	5.1	-0.8	0.00	0.00	0.00	0.8	E
11/27/2023 11:06:00	5.7	4.4	-1.2	0.00	0.00	0.00	0.9	E
11/27/2023 11:07:00	5.4	5.3	-0.2	0.00	0.00	0.00	0.8	ESE
11/27/2023 11:08:00	5.4	5.2	-0.2	0.00	0.00	0.00	0.8	W
11/27/2023 11:09:00	5.5	4.9	-0.6	0.00	0.00	0.00	0.8	SE
11/27/2023 11:10:00	5.6	4.8	-0.8	0.00	0.00	0.00	0.8	ESE
11/27/2023 11:11:00	6.0	4.8	-1.1	0.00	0.00	0.00	0.8	E
11/27/2023 11:12:00	6.2	4.8	-1.4	0.00	0.01	0.01	0.8	ESE
11/27/2023 11:13:00	6.1	4.8	-1.3	0.01	0.01	0.01	0.8	W
11/27/2023 11:14:00	6.0	4.8	-1.1	0.01	0.01	0.01	0.8	NE
11/27/2023 11:15:00	5.8	4.8	-1.0	0.01	0.02	0.01	0.8	E
11/27/2023 11:16:00	5.7	4.8	-0.9	0.01	0.03	0.02	0.8	E
11/27/2023 11:17:00	5.8	4.9	-0.9	0.03	0.03	0.00	0.8	SSE
11/27/2023 11:18:00	5.7	4.9	-0.8	0.04	0.03	-0.01	0.8	WSW
11/27/2023 11:19:00	5.7	5.2	-0.5	0.04	0.03	-0.01	0.8	E
11/27/2023 11:20:00	6.0	5.6	-0.4	0.04	0.03	-0.01	0.9	E
11/27/2023 11:21:00	6.0	6.5	0.5	0.04	0.03	-0.01	0.8	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
11/27/2023 11:22:00	5.9	6.4	0.5	0.04	0.05	0.01	0.8	E
11/27/2023 11:23:00	5.8	6.5	0.7	0.04	0.08	0.04	0.8	ESE
11/27/2023 11:24:00	5.6	6.6	0.9	0.07	0.08	0.01	0.9	SSE
11/27/2023 11:25:00	5.7	6.6	1.0	0.08	0.08	-0.01	0.8	WNW
11/27/2023 11:26:00	5.5	6.5	0.9	0.09	0.07	-0.02	0.9	SSW
11/27/2023 11:27:00	5.2	6.8	1.6	0.09	0.07	-0.02	0.9	ENE
11/27/2023 11:28:00	5.2	6.7	1.5	0.08	0.07	-0.01	0.9	ESE
11/27/2023 11:29:00	5.3	6.7	1.4	0.09	0.07	-0.01	0.9	SSE
11/27/2023 11:30:00	5.2	6.6	1.4	0.09	0.07	-0.01	0.9	E
11/27/2023 11:31:00	5.2	6.5	1.3	0.09	0.06	-0.03	0.9	WNW
11/27/2023 11:32:00	5.6	6.4	0.7	0.07	0.06	-0.01	0.9	WSW
11/27/2023 11:33:00	5.6	6.6	1.0	0.06	0.06	0.00	0.9	ENE
11/27/2023 11:34:00	5.6	6.2	0.6	0.06	0.06	0.00	0.9	SW
11/27/2023 11:35:00	5.7	5.8	0.2	0.06	0.06	0.00	0.9	ESE
11/27/2023 11:36:00	5.6	5.4	-0.2	0.06	0.06	0.00	0.9	SW
11/27/2023 11:37:00	5.7	5.1	-0.6	0.06	0.04	-0.02	0.9	E
11/27/2023 11:38:00	5.7	5.0	-0.6	0.06	0.01	-0.05	0.9	WSW
11/27/2023 11:39:00	5.7	5.1	-0.6	0.03	0.01	-0.02	0.9	W
11/27/2023 11:40:00	5.5	5.0	-0.6	0.02	0.02	0.00	0.9	NNE
11/27/2023 11:41:00	5.6	5.3	-0.4	0.01	0.02	0.01	0.9	SSE
11/27/2023 11:42:00	5.6	5.2	-0.5	0.01	0.01	0.00	0.9	SW
11/27/2023 11:43:00	5.4	5.2	-0.2	0.01	0.01	-0.01	0.9	W
11/27/2023 11:44:00	5.2	5.2	0.0	0.01	0.01	0.00	0.9	W
11/27/2023 11:45:00	5.5	5.1	-0.4	0.01	0.00	-0.01	1.0	SSE
11/27/2023 11:46:00	5.4	5.2	-0.3	0.01	0.00	0.00	0.9	SE
11/27/2023 11:47:00	4.8	5.2	0.4	0.01	0.00	0.00	1.0	ESE
11/27/2023 11:48:00	5.0	4.7	-0.3	0.01	0.00	0.00	1.0	E
11/27/2023 11:49:00	4.7	4.7	-0.1	0.01	0.00	0.00	1.0	ENE
11/27/2023 11:50:00	4.5	4.7	0.1	0.01	0.00	0.00	1.0	ESE
11/27/2023 11:51:00	4.6	4.1	-0.5	0.00	0.00	0.00	1.0	SE
11/27/2023 11:52:00	4.5	4.0	-0.5	0.00	0.00	0.00	1.0	E
11/27/2023 11:53:00	4.4	3.6	-0.8	0.00	0.00	0.00	1.0	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
11/27/2023 11:54:00	4.4	3.3	-1.1	0.00	0.00	0.00	1.0	E
11/27/2023 11:55:00	4.2	3.1	-1.2	0.00	0.00	0.00	1.0	E
11/27/2023 11:56:00	3.8	2.5	-1.2	0.00	0.00	0.00	1.0	ESE
11/27/2023 11:57:00	3.8	2.0	-1.7	0.00	0.00	0.00	1.0	E
11/27/2023 11:58:00	3.8	1.7	-2.0	0.00	0.00	0.00	0.9	ESE
11/27/2023 11:59:00	3.8	1.5	-2.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:00:00	3.5	1.3	-2.1	0.00	0.00	0.00	0.9	SE
11/27/2023 12:01:00	3.4	1.0	-2.4	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:02:00	3.3	0.8	-2.5	0.00	0.00	0.00	0.9	E
11/27/2023 12:03:00	3.0	0.5	-2.5	0.00	0.00	0.00	0.9	E
11/27/2023 12:04:00	2.9	0.3	-2.6	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:05:00	2.5	0.1	-2.5	0.00	0.00	0.00	0.9	E
11/27/2023 12:06:00	2.3	0.0	-2.3	0.00	0.00	0.00	0.9	E
11/27/2023 12:07:00	2.3	0.0	-2.3	0.00	0.00	0.00	0.9	E
11/27/2023 12:08:00	2.2	0.2	-2.0	0.00	0.00	0.00	0.9	S
11/27/2023 12:09:00	2.0	0.3	-1.7	0.00	0.00	0.00	0.9	S
11/27/2023 12:10:00	2.0	0.3	-1.7	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:11:00	2.0	0.3	-1.6	0.00	0.00	0.00	0.9	E
11/27/2023 12:12:00	1.9	0.3	-1.6	0.00	0.00	0.00	1.0	E
11/27/2023 12:13:00	1.9	0.3	-1.6	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:14:00	1.9	0.3	-1.5	0.00	0.00	0.00	0.9	E
11/27/2023 12:15:00	1.8	0.3	-1.5	0.00	0.00	0.00	1.0	SE
11/27/2023 12:16:00	1.8	0.3	-1.5	0.00	0.00	0.00	1.0	SE
11/27/2023 12:17:00	1.8	0.3	-1.5	0.00	0.00	0.00	1.0	ESE
11/27/2023 12:18:00	1.9	0.3	-1.6	0.00	0.00	0.00	1.0	ESE
11/27/2023 12:19:00	1.7	0.5	-1.3	0.00	0.00	0.00	0.9	SW
11/27/2023 12:20:00	1.7	0.5	-1.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:21:00	1.7	0.5	-1.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:22:00	1.7	0.5	-1.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:23:00	1.9	0.3	-1.6	0.00	0.00	0.00	1.0	ESE
11/27/2023 12:24:00	2.0	0.1	-1.9	0.00	0.00	0.00	0.9	E
11/27/2023 12:25:00	1.9	0.3	-1.6	0.00	0.00	0.00	0.9	SSE

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
11/27/2023 12:26:00	1.9	0.3	-1.6	0.00	0.00	0.00	0.9	E
11/27/2023 12:27:00	1.9	0.3	-1.6	0.00	0.00	0.00	0.9	ENE
11/27/2023 12:28:00	1.9	0.6	-1.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:29:00	1.9	0.6	-1.3	0.00	0.00	0.00	0.9	SE
11/27/2023 12:30:00	1.9	0.6	-1.3	0.00	0.00	0.00	0.8	ESE
11/27/2023 12:31:00	2.0	0.6	-1.4	0.00	0.00	0.00	0.9	SE
11/27/2023 12:32:00	2.1	1.6	-0.5	0.00	0.00	0.00	0.8	SE
11/27/2023 12:33:00	2.2	2.1	-0.1	0.00	0.00	0.00	0.8	ESE
11/27/2023 12:34:00	2.9	2.2	-0.7	0.00	0.00	0.00	0.8	SSW
11/27/2023 12:35:00	3.2	3.9	0.6	0.00	0.00	0.00	0.8	E
11/27/2023 12:36:00	3.4	4.5	1.1	0.00	0.00	0.00	0.8	E
11/27/2023 12:37:00	3.5	4.8	1.3	0.00	0.00	0.00	0.8	ESE
11/27/2023 12:38:00	3.7	4.8	1.1	0.00	0.00	0.00	0.8	SE
11/27/2023 12:39:00	4.1	5.0	0.9	0.00	0.00	0.00	0.8	E
11/27/2023 12:40:00	4.4	5.4	1.0	0.00	0.00	0.00	0.8	E
11/27/2023 12:41:00	4.6	7.2	2.5	0.00	0.00	0.00	0.8	E
11/27/2023 12:42:00	4.8	8.9	4.1	0.00	0.00	0.00	0.8	ESE
11/27/2023 12:43:00	4.9	8.9	4.0	0.00	0.00	0.00	0.8	ESE
11/27/2023 12:44:00	5.6	9.5	3.9	0.00	0.00	0.00	0.9	E
11/27/2023 12:45:00	9.8	10.1	0.2	0.00	0.00	0.00	0.9	ESE
11/27/2023 12:46:00	18.4	11.1	-7.2	0.00	0.01	0.01	0.9	E
11/27/2023 12:47:00	36.0	10.5	-25.5	0.00	0.01	0.01	0.9	E
11/27/2023 12:48:00	40.0	10.3	-29.7	0.00	0.01	0.01	1.0	E
11/27/2023 12:49:00	40.1	10.8	-29.2	0.00	0.01	0.01	1.0	SW
11/27/2023 12:50:00	40.6	9.6	-31.1	0.00	0.01	0.01	1.0	ESE
11/27/2023 12:51:00	41.2	9.2	-31.9	0.00	0.01	0.01	1.0	ESE
11/27/2023 12:52:00	41.6	9.4	-32.2	0.00	0.01	0.01	1.0	E
11/27/2023 12:53:00	41.6	9.5	-32.2	0.00	0.01	0.01	0.9	E
11/27/2023 12:54:00	41.2	9.7	-31.5	0.00	0.01	0.01	1.0	SSE
11/27/2023 12:55:00	41.2	9.2	-32.0	0.00	0.01	0.01	1.0	SE
11/27/2023 12:56:00	41.1	7.9	-33.1	0.00	0.01	0.01	0.9	S
11/27/2023 12:57:00	41.6	6.4	-35.3	0.00	0.01	0.01	0.9	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
11/27/2023 12:58:00	42.8	6.6	-36.2	0.00	0.01	0.01	0.9	SE
11/27/2023 12:59:00	42.7	6.3	-36.4	0.00	0.01	0.01	0.9	E
11/27/2023 13:00:00	38.9	6.3	-32.5	0.00	0.01	0.01	0.9	E
11/27/2023 13:01:00	36.6	5.5	-31.2	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:02:00	18.8	7.1	-11.7	0.00	0.01	0.01	0.9	WSW
11/27/2023 13:03:00	22.8	6.8	-16.0	0.00	0.01	0.01	0.9	E
11/27/2023 13:04:00	42.0	8.0	-34.0	0.00	0.01	0.01	0.9	E
11/27/2023 13:05:00	49.1	9.4	-39.7	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:06:00	51.9	10.0	-41.9	0.00	0.01	0.01	0.9	E
11/27/2023 13:07:00	54.6	10.3	-44.3	0.00	0.01	0.01	0.9	E
11/27/2023 13:08:00	55.1	10.8	-44.4	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:09:00	56.1	10.6	-45.5	0.00	0.01	0.01	0.9	E
11/27/2023 13:10:00	56.9	10.9	-46.0	0.00	0.01	0.01	1.0	E
11/27/2023 13:11:00	57.4	11.0	-46.4	0.00	0.02	0.01	1.0	E
11/27/2023 13:12:00	56.8	11.6	-45.2	0.00	0.01	0.01	1.0	WSW
11/27/2023 13:13:00	56.3	12.3	-44.0	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:14:00	58.1	13.6	-44.5	0.00	0.01	0.01	0.9	ENE
11/27/2023 13:15:00	61.0	14.0	-47.0	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:16:00	57.3	14.5	-42.7	0.00	0.01	0.01	0.9	E
11/27/2023 13:17:00	62.1	13.2	-48.9	0.00	0.02	0.01	0.9	E
11/27/2023 13:18:00	55.0	14.2	-40.9	0.00	0.03	0.03	0.9	E
11/27/2023 13:19:00	35.8	12.6	-23.2	0.00	0.04	0.04	0.9	E
11/27/2023 13:20:00	28.2	10.9	-17.4	0.00	0.05	0.05	0.9	ESE
11/27/2023 13:21:00	24.9	10.4	-14.5	0.00	0.05	0.05	0.9	E
11/27/2023 13:22:00	21.8	10.2	-11.6	0.00	0.05	0.05	0.9	ESE
11/27/2023 13:23:00	21.2	10.1	-11.0	0.00	0.05	0.05	0.9	SW
11/27/2023 13:24:00	20.4	10.2	-10.2	0.00	0.05	0.05	0.9	E
11/27/2023 13:25:00	20.4	10.2	-10.2	0.00	0.05	0.04	0.8	WSW
11/27/2023 13:26:00	21.2	10.1	-11.1	0.01	0.05	0.04	0.8	WSW
11/27/2023 13:27:00	22.9	10.5	-12.4	0.01	0.05	0.04	0.9	SSE
11/27/2023 13:28:00	24.9	9.9	-15.0	0.01	0.05	0.04	0.9	E
11/27/2023 13:29:00	24.9	8.9	-16.0	0.01	0.05	0.04	0.9	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
11/27/2023 13:30:00	26.6	9.2	-17.4	0.01	0.05	0.04	0.9	E
11/27/2023 13:31:00	39.0	9.3	-29.8	0.01	0.05	0.04	0.9	ESE
11/27/2023 13:32:00	45.5	9.2	-36.3	0.01	0.05	0.04	0.9	E
11/27/2023 13:33:00	46.6	8.5	-38.1	0.01	0.03	0.03	0.9	ESE
11/27/2023 13:34:00	53.4	8.8	-44.5	0.01	0.01	0.01	0.9	E
11/27/2023 13:35:00	56.4	10.1	-46.3	0.01	0.01	0.00	0.9	ENE
11/27/2023 13:36:00	56.9	11.3	-45.6	0.01	0.01	0.00	0.9	NE
11/27/2023 13:37:00	57.0	11.2	-45.8	0.01	0.01	0.00	0.9	WSW
11/27/2023 13:38:00	57.1	11.0	-46.1	0.01	0.01	0.00	0.9	ESE
11/27/2023 13:39:00	57.2	10.8	-46.4	0.01	0.01	0.00	0.9	ESE
11/27/2023 13:40:00	57.1	10.8	-46.3	0.00	0.01	0.00	1.0	E
11/27/2023 13:41:00	62.9	10.4	-52.4	0.00	0.01	0.01	0.9	ESE
11/27/2023 13:42:00	61.1	17.9	-43.2	0.00	0.01	0.01	0.9	WSW
11/27/2023 13:43:00	60.3	17.6	-42.7	0.00	0.01	0.01	0.9	ENE
11/27/2023 13:44:00	59.2	17.4	-41.8	0.00	0.01	0.01	0.9	E
11/27/2023 13:45:00	54.6	16.1	-38.5	0.00	0.01	0.01	0.9	E
11/27/2023 13:46:00	39.3	15.8	-23.5	0.00	0.01	0.01	0.9	WSW
11/27/2023 13:47:00	27.9	15.5	-12.4	0.00	0.01	0.00	0.9	WSW
11/27/2023 13:48:00	25.7	15.7	-10.0	0.00	0.01	0.00	0.9	WSW
11/27/2023 13:49:00	18.4	15.3	-3.1	0.00	0.00	0.00	0.9	WSW
11/27/2023 13:50:00	15.0	14.2	-0.8	0.00	0.00	0.00	0.9	WSW
11/27/2023 13:51:00	14.3	12.8	-1.5	0.00	0.00	0.00	0.9	W
11/27/2023 13:52:00	14.9	12.3	-2.5	0.00	0.01	0.00	0.9	NNW
11/27/2023 13:53:00	14.9	12.1	-2.8	0.00	0.01	0.00	1.0	E
11/27/2023 13:54:00	14.7	12.0	-2.8	0.00	0.00	0.00	1.0	ESE
11/27/2023 13:55:00	13.8	12.4	-1.4	0.00	0.00	0.00	0.9	WSW
11/27/2023 13:56:00	6.7	12.6	5.9	0.00	0.00	0.00	0.9	W
11/27/2023 13:57:00	6.8	4.0	-2.9	0.00	0.00	0.00	0.9	E
11/27/2023 13:58:00	5.4	3.6	-1.8	0.00	0.00	0.00	0.9	ENE
11/27/2023 13:59:00	4.1	3.9	-0.1	0.00	0.00	0.00	0.9	SSW
11/27/2023 14:00:00	4.3	3.9	-0.3	0.00	0.00	0.00	0.9	NE
11/27/2023 14:01:00	5.2	3.4	-1.8	0.00	0.00	0.00	0.8	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
11/27/2023 14:02:00	5.2	6.2	0.9	0.00	0.00	0.00	0.8	SSE
11/27/2023 14:03:00	9.5	5.7	-3.7	0.00	0.00	0.00	0.8	E
11/27/2023 14:04:00	10.0	5.5	-4.6	0.00	0.00	0.00	0.9	ENE
11/27/2023 14:05:00	10.7	5.3	-5.5	0.00	0.00	0.00	0.9	ESE
11/27/2023 14:06:00	12.0	5.0	-6.9	0.00	0.00	0.00	0.9	E
11/27/2023 14:07:00	11.5	5.0	-6.5	0.00	0.00	0.00	0.8	ENE
11/27/2023 14:08:00	11.1	5.3	-5.8	0.00	0.00	0.00	0.9	W
11/27/2023 14:09:00	11.5	5.3	-6.2	0.00	0.00	0.00	0.9	E
11/27/2023 14:10:00	11.8	4.6	-7.2	0.00	0.00	0.00	0.9	ENE
11/27/2023 14:11:00	12.1	4.3	-7.8	0.00	0.00	0.00	0.9	E
11/27/2023 14:12:00	11.7	4.5	-7.2	0.00	0.00	0.00	0.9	SSE
11/27/2023 14:13:00	12.4	4.5	-7.9	0.00	0.00	0.00	0.9	ENE
11/27/2023 14:14:00	14.9	4.2	-10.7	0.00	0.00	0.00	0.9	ESE
11/27/2023 14:15:00	15.9	4.3	-11.7	0.00	0.00	0.00	0.9	N
11/27/2023 14:16:00	15.0	6.7	-8.3	0.00	0.00	0.00	0.9	SSE
11/27/2023 14:17:00	16.2	3.5	-12.7	0.00	0.02	0.02	0.9	E
11/27/2023 14:18:00	13.2	3.5	-9.6	0.00	0.05	0.05	0.9	E
11/27/2023 14:19:00	13.7	3.5	-10.1	0.00	0.07	0.07	0.9	E
11/27/2023 14:20:00	13.7	3.5	-10.1	0.00	0.08	0.08	0.9	E
11/27/2023 14:21:00	13.6	3.5	-10.1	0.00	0.08	0.08	0.9	E
11/27/2023 14:22:00	13.9	3.5	-10.4	0.00	0.09	0.09	0.9	E
11/27/2023 14:23:00	13.9	4.1	-9.8	0.00	0.09	0.09	0.9	S
11/27/2023 14:24:00	14.1	4.1	-9.9	0.00	0.09	0.09	0.9	E
11/27/2023 14:25:00	14.4	4.1	-10.2	0.00	0.09	0.09	0.9	E
11/27/2023 14:26:00	14.6	4.4	-10.2	0.00	0.09	0.09	0.9	ESE
11/27/2023 14:27:00	15.1	5.7	-9.3	0.00	0.09	0.09	0.9	E
11/27/2023 14:28:00	14.4	5.9	-8.5	0.00	0.09	0.09	0.9	ESE
11/27/2023 14:29:00	11.8	7.4	-4.4	0.00	0.09	0.09	0.9	S
11/27/2023 14:30:00	14.2	7.3	-6.8	0.00	0.10	0.09	0.9	E
11/27/2023 14:31:00	15.6	5.0	-10.6	0.00	0.10	0.09	0.9	ESE
11/27/2023 14:32:00	15.2	5.0	-10.2	0.00	0.08	0.08	0.9	E
11/27/2023 14:33:00	15.0	5.0	-10.0	0.00	0.05	0.05	0.9	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
11/27/2023 14:34:00	14.4	5.0	-9.5	0.00	0.04	0.03	0.9	SE
11/27/2023 14:35:00	13.6	5.5	-8.1	0.01	0.03	0.02	0.9	S
11/27/2023 14:36:00	12.4	6.3	-6.0	0.01	0.02	0.01	0.9	SSE
11/27/2023 14:37:00	12.3	6.3	-6.0	0.01	0.02	0.01	0.9	E
11/27/2023 14:38:00	12.3	6.7	-5.7	0.01	0.02	0.01	0.9	SSE
11/27/2023 14:39:00	12.5	6.7	-5.8	0.01	0.02	0.01	0.9	E
11/27/2023 14:40:00	12.4	6.7	-5.7	0.01	0.02	0.01	0.9	E
11/27/2023 14:41:00	12.6	6.6	-6.0	0.01	0.02	0.01	0.9	E
11/27/2023 14:42:00	12.7	5.2	-7.5	0.01	0.02	0.01	0.9	E
11/27/2023 14:43:00	12.9	5.0	-7.9	0.01	0.01	0.01	0.9	E
11/27/2023 14:44:00	13.5	3.1	-10.4	0.00	0.01	0.01	0.9	ESE
11/27/2023 14:45:00	10.3	3.1	-7.2	0.00	0.01	0.01	0.9	E
11/27/2023 14:46:00	9.0	4.1	-4.8	0.00	0.01	0.01	1.0	SSE
11/27/2023 14:47:00	8.6	4.2	-4.4	0.00	0.01	0.01	0.9	N
11/27/2023 14:48:00	8.1	4.2	-3.8	0.00	0.01	0.01	0.9	SE
11/27/2023 14:49:00	8.2	4.2	-3.9	0.00	0.01	0.00	1.0	ESE
11/27/2023 14:50:00	8.1	4.7	-3.3	0.00	0.01	0.01	1.0	SSE
11/27/2023 14:51:00	8.8	4.0	-4.8	0.00	0.01	0.01	1.0	E
11/27/2023 14:52:00	8.8	4.1	-4.7	0.00	0.01	0.01	1.0	E
11/27/2023 14:53:00	9.8	2.9	-6.9	0.00	0.01	0.01	1.0	ENE
11/27/2023 14:54:00	9.6	2.9	-6.8	0.00	0.01	0.01	1.0	E
11/27/2023 14:55:00	9.6	2.8	-6.8	0.00	0.01	0.01	1.0	E
11/27/2023 14:56:00	9.2	2.6	-6.5	0.00	0.01	0.01	1.0	E
11/27/2023 14:57:00	9.3	2.4	-6.8	0.00	0.00	0.00	1.0	E
11/27/2023 14:58:00				0.00	0.00	0.00	0.9	E
11/27/2023 14:59:00				0.00	0.00	0.00	0.9	E
11/27/2023 15:00:00	3.3	2.0	-1.3	0.00	0.01	0.01	0.9	ENE
11/27/2023 15:01:00	4.1	2.6	-1.5	0.00	0.01	0.01	0.9	ENE
11/27/2023 15:02:00	5.0	2.5	-2.5	0.00	0.01	0.01	1.0	E
11/27/2023 15:03:00	5.3	2.6	-2.8	0.00	0.01	0.01	1.0	ESE
11/27/2023 15:04:00	7.4	2.7	-4.7	0.00	0.01	0.01	1.0	E
11/27/2023 15:05:00	9.1	2.9	-6.2	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
11/27/2023 15:06:00	8.2	4.8	-3.3	0.00	0.01	0.01	1.0	WSW
11/27/2023 15:07:00	7.8	4.5	-3.3	0.00	0.01	0.01	1.0	ENE
11/27/2023 15:08:00	7.4	4.2	-3.3	0.00	0.01	0.01	1.0	E
11/27/2023 15:09:00	7.2	3.9	-3.3	0.00	0.01	0.01	1.0	E
11/27/2023 15:10:00	6.9	3.8	-3.1	0.00	0.01	0.01	1.0	E
11/27/2023 15:11:00	6.6	3.6	-3.1	0.00	0.01	0.01	1.0	E
11/27/2023 15:12:00	6.5	3.5	-3.1	0.00	0.01	0.01	1.0	E
11/27/2023 15:13:00	6.5	3.3	-3.2	0.00	0.01	0.01	1.0	ESE
11/27/2023 15:14:00	6.5	3.2	-3.3	0.00	0.01	0.01	1.0	E
11/27/2023 15:15:00	6.5	3.1	-3.5	0.00	0.01	0.01	1.0	E
11/27/2023 15:16:00	6.4	2.9	-3.5	0.00	0.00	0.00	1.0	E
11/27/2023 15:17:00	6.1	2.9	-3.3	0.00	0.00	0.00	0.9	SE
11/27/2023 15:18:00	5.9	2.9	-3.0	0.00	0.00	0.00	0.9	WSW
11/27/2023 15:19:00	5.0	2.9	-2.2	0.00	0.00	0.00	0.9	ENE
11/27/2023 15:20:00	4.3	2.8	-1.5	0.00	0.00	0.00	0.9	ESE
11/27/2023 15:21:00	4.3	1.8	-2.6	0.00	0.00	0.00	0.9	E
11/27/2023 15:22:00	4.4	1.7	-2.7	0.00	0.00	0.00	0.9	E
11/27/2023 15:23:00	4.6	1.7	-3.0	0.00	0.00	0.00	0.9	E
11/27/2023 15:24:00	4.7	1.6	-3.1	0.00	0.00	0.00	1.0	ESE
11/27/2023 15:25:00	4.8	1.5	-3.3	0.00	0.00	0.00	1.0	SE
11/27/2023 15:26:00	5.0	1.4	-3.6	0.00	0.00	0.00	1.0	ESE
11/27/2023 15:27:00	4.8	1.9	-2.9	0.00	0.00	0.00	0.9	W
11/27/2023 15:28:00	4.7	1.8	-2.9	0.00	0.00	0.00	0.9	E
11/27/2023 15:29:00	4.6	1.8	-2.8	0.00	0.00	0.00	0.9	E
11/27/2023 15:30:00	4.5	1.8	-2.6	0.00	0.00	0.00	0.9	E
11/27/2023 15:31:00	4.5	1.8	-2.7	0.00	0.00	0.00	0.9	NNE
11/27/2023 15:32:00	4.5	1.8	-2.7	0.00	0.00	0.00	0.9	ESE
11/27/2023 15:33:00	4.4	1.8	-2.5	0.00	0.00	0.00	0.9	S
11/27/2023 15:34:00	4.4	1.7	-2.8	0.00	0.00	0.00	0.9	ENE
11/27/2023 15:35:00	4.1	1.8	-2.3	0.00	0.00	0.00	0.9	SW
11/27/2023 15:36:00	4.2	3.4	-0.9	0.00	0.00	0.00	0.9	E
11/27/2023 15:37:00	4.6	3.9	-0.7	0.00	0.00	0.00	0.9	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
11/27/2023 15:38:00	4.1	4.9	0.7	0.00	0.00	0.00	0.9	S
11/27/2023 15:39:00	4.1	4.9	0.8	0.00	0.00	0.00	0.9	E
11/27/2023 15:40:00	4.0	4.9	0.8	0.00	0.00	0.00	0.9	E
11/27/2023 15:41:00	3.7	4.9	1.2	0.00	0.00	0.00	0.9	SE
11/27/2023 15:42:00	3.9	4.4	0.5	0.00	0.00	0.00	0.9	E
11/27/2023 15:43:00	3.9	4.5	0.5	0.00	0.00	0.00	0.9	E
11/27/2023 15:44:00	3.8	4.6	0.8	0.00	0.00	0.00	0.9	SSW
11/27/2023 15:45:00	3.8	4.6	0.8	0.00	0.00	0.00	0.9	ENE
11/27/2023 15:46:00	3.7	4.6	0.9	0.00	0.00	0.00	0.9	E
11/27/2023 15:47:00	3.7	4.6	0.9	0.00	0.00	0.00	0.9	SE
11/27/2023 15:48:00	3.8	4.4	0.6	0.00	0.00	0.00	0.9	E
11/27/2023 15:49:00	3.8	4.4	0.6	0.00	0.00	0.00	0.9	E
11/27/2023 15:50:00	4.0	4.2	0.1	0.00	0.00	0.00	0.9	ESE
11/27/2023 15:51:00	3.7	2.7	-1.0	0.00	0.00	0.00	0.9	S
11/27/2023 15:52:00	3.3	2.2	-1.1	0.00	0.00	0.00	0.9	ESE
11/27/2023 15:53:00	4.0	1.2	-2.8	0.00	0.00	0.00	1.0	ESE
11/27/2023 15:54:00	3.6	1.6	-2.0	0.00	0.00	0.00	0.9	SSW
11/27/2023 15:55:00	3.7	1.7	-2.0	0.00	0.00	0.00	1.0	E
11/27/2023 15:56:00	3.6	1.7	-1.9	0.00	0.00	0.00	1.0	E
11/27/2023 15:57:00	3.5	1.7	-1.8	0.00	0.00	0.00	1.0	E
11/27/2023 15:58:00	3.3	1.7	-1.6	0.00	0.00	0.00	0.9	SE
11/27/2023 15:59:00	4.2	1.6	-2.6	0.00	0.00	0.00	0.9	NE
11/27/2023 16:00:00	4.5	1.6	-2.9	0.00	0.00	0.00	0.9	ESE
11/27/2023 16:01:00	6.0	1.6	-4.3	0.00	0.00	0.00	0.9	ESE
11/27/2023 16:02:00	9.1	1.7	-7.4	0.00	0.00	0.00	1.0	E
11/27/2023 16:03:00	10.3	1.8	-8.5	0.00	0.00	0.00	1.0	E
11/27/2023 16:04:00	12.6	1.8	-10.7	0.00	0.00	0.00	1.0	E
11/27/2023 16:05:00	15.8	1.9	-13.9	0.00	0.00	0.00	1.0	E
11/27/2023 16:06:00	18.0	1.9	-16.1	0.01	0.00	-0.01	1.0	SE
11/27/2023 16:07:00	19.2	2.0	-17.2	0.01	0.00	-0.01	1.0	E
11/27/2023 16:08:00	22.7	2.3	-20.4	0.01	0.00	-0.01	1.0	E
11/27/2023 16:09:00	23.1	2.0	-21.1	0.03	0.00	-0.03	1.0	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
11/27/2023 16:10:00	22.9	2.0	-20.9	0.03	0.00	-0.03	1.0	E
11/27/2023 16:11:00	23.0	2.0	-21.0	0.03	0.00	-0.03	1.0	E
11/27/2023 16:12:00	23.0	2.0	-21.0	0.03	0.00	-0.03	1.0	ESE
11/27/2023 16:13:00	24.5	2.0	-22.5	0.03	0.00	-0.03	1.0	SE
11/27/2023 16:14:00	24.7	2.0	-22.7	0.03	0.00	-0.03	1.0	E
11/27/2023 16:15:00	25.0	2.0	-23.0	0.03	0.00	-0.03	1.1	E
11/27/2023 16:16:00	23.8	2.0	-21.8	0.03	0.00	-0.03	1.1	E
11/27/2023 16:17:00	20.7	2.0	-18.7	0.03	0.00	-0.03	1.1	ESE
11/27/2023 16:18:00	19.4	2.0	-17.4	0.03	0.00	-0.03	1.1	S
11/27/2023 16:19:00	17.0	2.0	-14.9	0.03	0.00	-0.03	1.1	W
11/27/2023 16:20:00	13.6	2.0	-11.6	0.03	0.00	-0.03	1.1	SE