

Gowanus CSO Tank - CP2 Daily CAMP Report

Date: 3/29/2024

This Daily Air Monitoring Report summarizes perimeter air monitoring data collected during the referenced period in accordance with the Community Air Monitoring Plan (CAMP) which was included as part of the requirements of Spec Section 01 57 00 Temporary Controls for the Gowanus CSO-GC-SFS-RH3 CP2 Contract. Note: the information included in this daily summary is based on preliminary results and is subject to change based on data validation.

Report Period:	Friday, March 29, 2024	
Weather	Temperature: 42.8-56.0 °F Precipitation: 0.00 inch Relative Humidity: 39.41%	Wind Speed: 1.70-4.86 mph Prevailing Wind Direction: E
Summary of Site Activities	1. CAMP monitoring approximately 24 hours a day. 2. Slurry Wall Excavation Operations. 3. There were no 15 min average exceedances for PM10 over the day. 4. On 3/29 at approximately 12pm an issue was identified with the VOC sensor on AMS-3. The sensor stopped reporting data for a period and then began reporting errant readings for the rest of the shift before ceasing to report any values at approximately 1:45am on 3/30/24. At this time, a handheld PID meter was placed at AMS-3 at approximately 1:00pm to record VOC readings while the system's technician began troubleshooting the unit. At approximately 8pm on 3/29/24 and as part of the trouble shooting process the technician introduced a VOC gas standard sample to AMS-3 which it did not detect. To confirm the VOC standard, it was introduced to AMS-2 and it was detected. This is the reason for the spike detected by AMS-2.	

Figure 1 - CAMP Station Locations



Daily Readings - VOCs

Data export

03/29/2024 00:00:00 to 03/29/2024 23:59:00

Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	VOC - AQS1 13032023-2241 (ppm)	VOC - AQS1 13032023-2244 (ppm)	VOC - AQS1 13032023-2240 (ppm)	VOC - AQS1 13032023-2238 (ppm)	VOC - AQS1 13032023-2239 (ppm)	VOC - AQS1 13032023-2237 (ppm)	VOC - AQS1 13032023-2243 (ppm)	VOC - AQS1 13032023-2242 (ppm)
3/29/2024 0:00	0.02	0.02		0	0	0	0	0
3/29/2024 0:15	0.03	0		0.01	0	0	0	0
3/29/2024 0:30	0.03	0		0	0	0	0	0
3/29/2024 0:45	0.03	0		0.01	0	0	0	0
3/29/2024 1:00	0.03	0		0.01	0	0	0	0
3/29/2024 1:15		0		0.01	0.01	0	0	0
3/29/2024 1:30		0		0	0	0	0	0
3/29/2024 1:45		0		0	0	0	0	
3/29/2024 2:00		0		0		0	0	
3/29/2024 2:15		0		0.01		0	0	
3/29/2024 2:30		0				0	0	
3/29/2024 2:45		0				0	0	
3/29/2024 3:00		0				0	0	
3/29/2024 3:15		0				0	0	
3/29/2024 3:30		0				0	0	
3/29/2024 3:45		0				0	0	
3/29/2024 4:00		0				0	0	
3/29/2024 4:15		0				0	0	
3/29/2024 4:30		0				0	0	
3/29/2024 4:45		0				0	0	
3/29/2024 5:00		0				0	0	
3/29/2024 5:15		0			0.01	0	0	
3/29/2024 5:30		0	0.01		0	0	0	
3/29/2024 5:45	0.01	0	0.02		0	0	0	
3/29/2024 6:00		0	0.01		0	0	0	
3/29/2024 6:15		0	0.01	0.05	0	0	0	
3/29/2024 6:30		0	0.02	0.02	0	0	0	0
3/29/2024 6:45		0	0.01	0.01	0	0	0	0
3/29/2024 7:00		0	0	0.02	0	0	0	0
3/29/2024 7:15		0	0	0.02	0	0	0	0
3/29/2024 7:30	0	0	0.01	0.04	0	0	0	0
3/29/2024 7:45	0.01	0.01	0	0.03	0	0	0	0
3/29/2024 8:00	0.01	0.01	0	0.02	0	0	0	0
3/29/2024 8:15	0.02	0	0	0.02	0.01	0	0	0
3/29/2024 8:30	0.02	0	0	0.01	0.03	0	0	0
3/29/2024 8:45	0.02	0.01	0	0	0.01	0	0	0
3/29/2024 9:00	0.02	0	0	0.01	0	0	0	0
3/29/2024 9:15	0.02	0	0	0	0	0	0	0
3/29/2024 9:30	0.02	0.01	0	0.01	0	0	0	0
3/29/2024 9:45	0.02	0.02	0	0.01	0.01	0	0	0
3/29/2024 10:00	0.02	0.01	0	0	0.02	0	0	0
3/29/2024 10:15	0.03	0	0	0.01	0.07	0	0	0
3/29/2024 10:30	0.03	0	0	0	0	0	0	0
3/29/2024 10:45	0.03	0.01	0	0.01	0	0	0	0
3/29/2024 11:00	0.03	0.01	0	0	0	0	0	0
3/29/2024 11:15	0.03	0	0	0	0.01	0	0	0
3/29/2024 11:30	0.03	0	0	0	0	0	0	0
3/29/2024 11:45	0.03	0.01	0	0	0	0	0	0
3/29/2024 12:00	0.04	0		0	0	0	0	0
3/29/2024 12:15	0.04	0	0	0	0.01	0	0	0
3/29/2024 12:30	0.04	0		0	0	0	0	0
3/29/2024 12:45	0.04	0		0	0	0	0	0
3/29/2024 13:00	0.05	0	4.98	0.01	0	0	0	0
3/29/2024 13:15	0.05	0	0	0.01	0.01	0	0	0
3/29/2024 13:30	0.05	0	0	0	0.01	0	0	0
3/29/2024 13:45	0.06	0	0	0	0	0	0	0
3/29/2024 14:00	0.06	0	3.65	0	0	0	0	0
3/29/2024 14:15	0.06	0	1.05	0	0	0	0	0
3/29/2024 14:30	0.07	0	5.57	0	0	0	0	0
3/29/2024 14:45	0.07	0	0.45	0	0	0	0	0
3/29/2024 15:00	0.07	0	0.16	0	0	0	0	0
3/29/2024 15:15	0.07	0	0.18	0.01	0	0	0	0
3/29/2024 15:30	0.07	0	1.51	0.01	0	0	0	0
3/29/2024 15:45	0.07	0	3.23	0	0.01	0	0	0
3/29/2024 16:00	0.07	0	0.24	0	0.13	0	0	0
3/29/2024 16:15	0.07	0	0	0.01	0	0	0	0

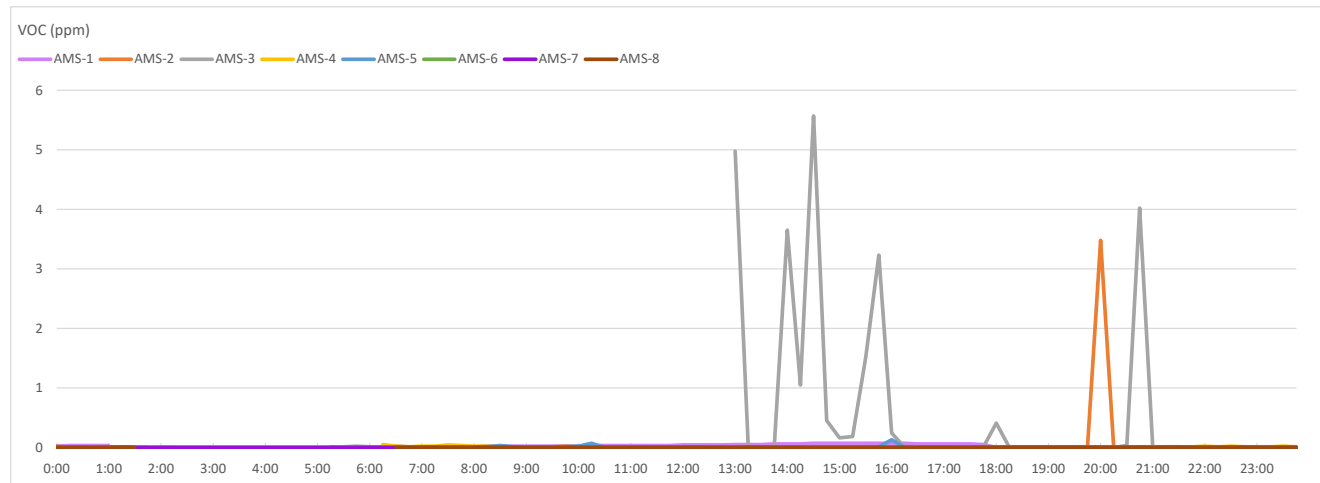
Daily Readings - VOCs

Data export

03/29/2024 00:00:00 to 03/29/2024 23:59:00

Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	VOC - AQS1 13032023-2241 (ppm)	VOC - AQS1 13032023-2244 (ppm)	VOC - AQS1 13032023-2240 (ppm)	VOC - AQS1 13032023-2238 (ppm)	VOC - AQS1 13032023-2239 (ppm)	VOC - AQS1 13032023-2237 (ppm)	VOC - AQS1 13032023-2243 (ppm)	VOC - AQS1 13032023-2242 (ppm)
3/29/2024 16:30	0.06	0	0	0.01	0	0	0	0
3/29/2024 16:45	0.06	0	0	0	0	0	0	0
3/29/2024 17:00	0.06	0	0	0	0	0	0	0
3/29/2024 17:15	0.06	0		0.01	0	0	0	0
3/29/2024 17:30	0.06	0	0	0	0	0	0	0
3/29/2024 17:45	0.05	0	0	0	0	0	0	0
3/29/2024 18:00	0	0	0.41	0	0	0	0	0
3/29/2024 18:15	0	0	0	0	0	0	0	0
3/29/2024 18:30	0	0	0	0	0	0	0	0
3/29/2024 18:45	0	0	0	0	0	0	0	0
3/29/2024 19:00	0	0	0	0.01	0	0	0	0
3/29/2024 19:15	0	0		0	0	0	0	0
3/29/2024 19:30	0	0	0.01	0	0	0	0	0
3/29/2024 19:45	0	0	0.01	0	0	0	0	0
3/29/2024 20:00	0	3.48	0	0.01	0	0	0	0
3/29/2024 20:15	0	0	0	0	0	0	0	0
3/29/2024 20:30	0	0	0.03	0	0	0	0	0
3/29/2024 20:45	0	0	4.02	0.01	0.01	0	0	0
3/29/2024 21:00	0	0	0.01	0.01	0	0	0	0
3/29/2024 21:15	0	0	0	0.01	0.01	0	0	0
3/29/2024 21:30	0	0	0	0.01	0.01	0	0	0
3/29/2024 21:45	0	0	0	0.01	0	0	0	0
3/29/2024 22:00	0	0	0	0.02	0	0	0	0
3/29/2024 22:15	0	0.01	0	0.01	0	0	0	0
3/29/2024 22:30	0	0	0	0.02	0	0	0	0
3/29/2024 22:45	0	0	0	0.01	0.01	0	0	0
3/29/2024 23:00	0	0	0	0.01	0	0	0	0
3/29/2024 23:15	0	0	0	0.01	0	0	0	0
3/29/2024 23:30	0	0	0	0.02	0	0	0	0
3/29/2024 23:45	0	0	0	0.01	0	0	0	0



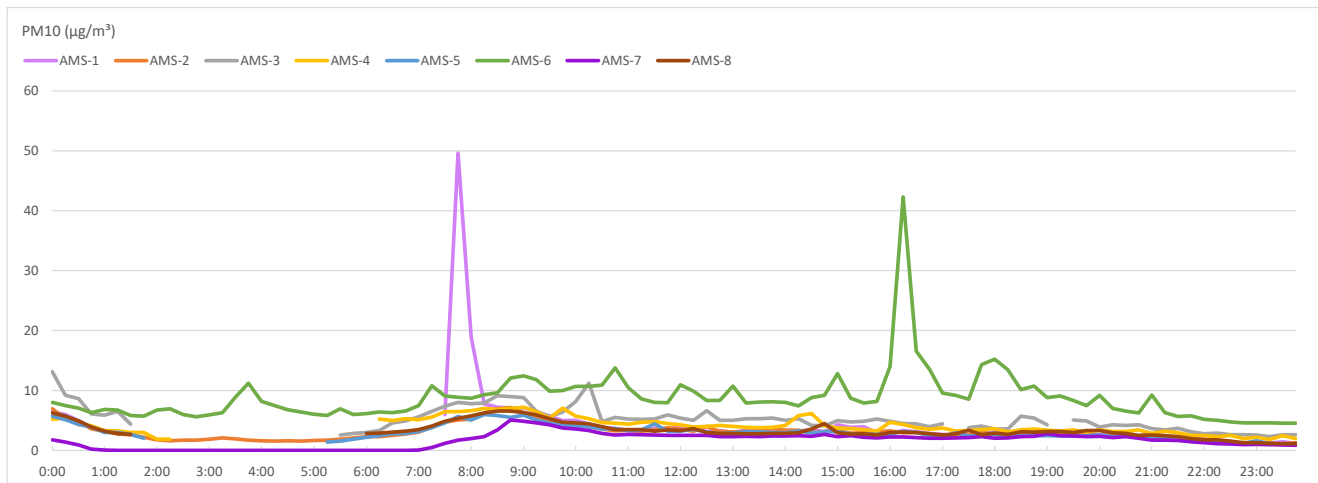
Target Analyte	Admin Level	Normal (green)	Alert Limit (yellow)	Response Limit (orange)	Action Limit (red)
Volatile Organic Compounds *	Between 0.3 and < 0.5 ppm as a 15 minute TWA	Below or equal to 0.5 ppm as a 15 minute TWA	>0.5 ppm and <=0.75 ppm as a 15 minute TWA or odors are observed	>0.75 to < 1.0 ppm as a 15 minute TWA or odors are observed	>=1 ppm as a 15 minute TWA or if odors are observed**

Daily Readings - PM10
Data export
03/29/2024 00:00:00 to 03/29/2024 23:59:00
Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	PM10 - AQS1 13032023-2241 (µg/m³)	PM10 - AQS1 13032023-2244 (µg/m³)	PM10 - AQS1 13032023-2240 (µg/m³)	PM10 - AQS1 13032023-2238 (µg/m³)	PM10 - AQS1 13032023-2239 (µg/m³)	PM10 - AQS1 13032023-2237 (µg/m³)	PM10 - AQS1 13032023-2243 (µg/m³)	PM10 - AQS1 13032023-2242 (µg/m³)
3/29/2024 0:00	6.43	6.95	13.14	5.19	5.72	8.03	1.76	6.24
3/29/2024 0:15	5.98	5.27	9.17	5.41	5.13	7.46	1.4	5.72
3/29/2024 0:30	4.99	4.94	8.63	4.31	4.32	7.05	0.93	4.93
3/29/2024 0:45	3.88	3.6	6.09	4.12	3.89	6.33	0.22	3.92
3/29/2024 1:00	3.32	3.2	5.86	3.33	3	6.84	0.05	3.22
3/29/2024 1:15		2.75	6.53	3.28	2.97	6.74	0	2.82
3/29/2024 1:30		2.61	4.4	3	2.66	5.8	0	2.68
3/29/2024 1:45		2.21		2.99	2.05	5.73	0	
3/29/2024 2:00		1.76		1.87		6.75	0	
3/29/2024 2:15		1.62		1.85		6.93	0	
3/29/2024 2:30		1.73				5.99	0	
3/29/2024 2:45		1.73				5.59	0	
3/29/2024 3:00		1.85				5.95	0	
3/29/2024 3:15		2.08				6.31	0	
3/29/2024 3:30		1.95				8.89	0	
3/29/2024 3:45		1.72				11.24	0	
3/29/2024 4:00		1.6				8.16	0	
3/29/2024 4:15		1.53				7.48	0	
3/29/2024 4:30		1.59				6.77	0	
3/29/2024 4:45		1.57				6.39	0	
3/29/2024 5:00		1.65				6.01	0	
3/29/2024 5:15		1.71			1.41	5.84	0	
3/29/2024 5:30		1.89	2.58		1.55	6.96	0	
3/29/2024 5:45	2.69	2.1	2.84		1.87	5.96	0	
3/29/2024 6:00		2.3	2.97		2.19	6.16	0	2.81
3/29/2024 6:15		2.3	3.29	5.23	2.45	6.39	0	2.89
3/29/2024 6:30		2.52	4.62	4.96	2.77	6.33	0	3.03
3/29/2024 6:45		2.7	4.9	5.27	2.85	6.58	0	3.23
3/29/2024 7:00		3.06	5.61	5.13	3.15	7.48	0.05	3.49
3/29/2024 7:15		3.89	6.51	5.54	3.82	10.8	0.5	4.08
3/29/2024 7:30	5.96	4.68	7.37	6.48	4.62	9.06	1.19	4.88
3/29/2024 7:45	49.62	5.09	8.02	6.47	5.64	8.89	1.72	5.35
3/29/2024 8:00	18.91	5.26	7.79	6.62	5.07	8.69	1.99	5.75
3/29/2024 8:15	7.74	6.18	7.89	6.98	5.99	9.28	2.29	6.24
3/29/2024 8:30	7.23	6.96	9.11	6.84	5.84	9.61	3.4	6.56
3/29/2024 8:45	7.06	7.18	8.96	7	5.5	12.08	5.06	6.56
3/29/2024 9:00	7.09	6.32	8.79	7.2	5.88	12.46	4.88	6.29
3/29/2024 9:15	6.44	5.6	6.51	6.49	5.08	11.79	4.58	5.91
3/29/2024 9:30	5.74	4.93	5.59	5.42	4.55	9.86	4.3	5.3
3/29/2024 9:45	4.95	4.55	6.39	7.03	4.19	10	3.72	4.7
3/29/2024 10:00	5.04	4.23	8.17	5.74	4.06	10.67	3.57	4.61
3/29/2024 10:15	4.38	3.96	11.21	5.29	3.96	10.7	3.33	4.44
3/29/2024 10:30	3.87	3.56	4.81	4.63	3.59	10.9	2.86	3.97
3/29/2024 10:45	3.71	3.28	5.49	4.52	3.64	13.78	2.57	3.47
3/29/2024 11:00	3.34	3.38	5.25	4.36	3.31	10.49	2.68	3.48
3/29/2024 11:15	3.2	3.19	5.16	4.71	3.44	8.59	2.63	3.46
3/29/2024 11:30	3.68	3.41	5.23	4.82	4.42	8.02	2.55	3.22
3/29/2024 11:45	3.46	3.79	5.94	4.48	3.23	7.97	2.53	3.42
3/29/2024 12:00	4.03	3.53	5.37	4.26	3.21	10.93	2.49	3.32
3/29/2024 12:15	3.69	3.22	5.03	3.88	3.52	9.89	2.52	3.64
3/29/2024 12:30	3.13	4.03	6.61	3.99	3.03	8.32	2.52	3.02
3/29/2024 12:45	3.31	3.13	5.02	4.18	2.76	8.31	2.32	2.84
3/29/2024 13:00	3.01	3.12	5.02	4.02	2.92	10.75	2.3	2.82
3/29/2024 13:15	3.38	3.15	5.27	3.84	3.08	7.93	2.33	2.78
3/29/2024 13:30	3.23	3.28	5.3	3.79	3.12	8.08	2.31	2.79
3/29/2024 13:45	3.08	3.66	5.39	3.84	3.01	8.13	2.43	2.86
3/29/2024 14:00	3.39	3.39	5.01	4.16	2.92	8.03	2.43	2.83
3/29/2024 14:15	3.2	3.38	5.27	5.84	3.28	7.43	2.44	2.93
3/29/2024 14:30	3.46	2.99	4.19	6.17	2.9	8.83	2.33	3.6
3/29/2024 14:45	3.09	3.17	4.14	4.12	3.16	9.16	2.65	4.48
3/29/2024 15:00	4.29	3.33	4.96	3.76	3.08	12.84	2.29	2.92
3/29/2024 15:15	3.85	2.89	4.76	3.65	2.78	8.72	2.44	2.72
3/29/2024 15:30	3.93	2.96	4.87	3.47	2.71	7.88	2.21	2.78
3/29/2024 15:45	2.95	3.13	5.23	3.2	2.67	8.19	2.07	2.55
3/29/2024 16:00	2.91	3.28	4.85	4.71	2.7	13.97	2.27	2.97
3/29/2024 16:15	3.3	2.95	4.47	4.33	3.16	42.28	2.22	3.06

Daily Readings - PM10
Data export
03/29/2024 00:00:00 to 03/29/2024 23:59:00
Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	PM10 - AQS1 13032023-2241 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2244 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2240 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2238 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2239 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2237 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2243 ($\mu\text{g}/\text{m}^3$)	PM10 - AQS1 13032023-2242 ($\mu\text{g}/\text{m}^3$)
3/29/2024 16:30	3.09	2.99	4.43	3.81	3.02	16.53	2.12	2.97
3/29/2024 16:45	2.84	2.59	3.97	3.54	2.51	13.58	2.05	2.77
3/29/2024 17:00	2.66	2.52	4.46	3.73	2.32	9.58	2.03	2.54
3/29/2024 17:15	2.51	2.47		3.24	2.92	9.17	2.08	2.8
3/29/2024 17:30	2.66	2.63	3.82	3.29	2.38	8.54	2.13	3.35
3/29/2024 17:45	2.85	3.09	4.07	3.47	2.46	14.32	2.29	2.62
3/29/2024 18:00	3.02	2.6	3.58	3.66	2.68	15.23	2.05	2.87
3/29/2024 18:15	2.96	2.41	3.58	3.12	2.47	13.46	2.1	2.69
3/29/2024 18:30	3	2.57	5.73	3.4	2.44	10.13	2.29	3.11
3/29/2024 18:45	3.39	2.83	5.39	3.6	2.45	10.74	2.35	3.05
3/29/2024 19:00	3.16	2.67	4.25	3.39	2.48	8.83	2.76	3.13
3/29/2024 19:15	2.89	2.67		3.25	2.43	9.1	2.47	3.14
3/29/2024 19:30	3.05	2.76	5.09	3.42	2.43	8.34	2.41	3
3/29/2024 19:45	2.69	2.65	4.94	3.04	2.44	7.46	2.29	3.34
3/29/2024 20:00	2.63	2.43	3.92	3.43	2.54	9.2	2.36	3.31
3/29/2024 20:15	2.49	2.45	4.27	3.16	2.31	6.98	2.13	2.96
3/29/2024 20:30	2.63	2.48	4.19	3.16	2.64	6.59	2.28	2.85
3/29/2024 20:45	2.42	2.24	4.25	3.43	2.31	6.26	2.01	2.52
3/29/2024 21:00	2.75	2.27	3.62	2.83	2.03	9.22	1.71	2.58
3/29/2024 21:15	2.24	1.95	3.41	3.21	2.21	6.33	1.7	2.44
3/29/2024 21:30	2.05	1.91	3.67	2.92	1.86	5.65	1.66	2.3
3/29/2024 21:45	1.99	1.73	3.08	2.51	1.52	5.76	1.43	1.99
3/29/2024 22:00	1.92	1.47	2.79	2.44	1.48	5.16	1.31	1.78
3/29/2024 22:15	1.44	1.61	2.87	2.28	1.29	5.04	1.11	1.77
3/29/2024 22:30	1.46	1.38	2.64	2.51	1.41	4.77	1.07	1.55
3/29/2024 22:45	1.2	1.07	2.62	1.99	1.16	4.6	0.96	1.3
3/29/2024 23:00	1.1	1.03	2.56	2.19	1.58	4.6	1	1.26
3/29/2024 23:15	1.21	1.02	2.33	1.81	1.13	4.58	0.94	1.18
3/29/2024 23:30	1.42	1.07	2.64	2.46	1.02	4.54	0.93	1.15
3/29/2024 23:45	1.19	1.27	2.6	2	1.01	4.53	0.86	1.13



Target Analyte	Admin Level	Normal (green)	Alert Limit (yellow)	Response Limit (orange)	Action Limit (red)
Respirable particulate matter (PM10) *	>75 ug/m3 to 100 ug/m3 as a 15 minute TWA	<=100 ug/m3 as a 15 minute TWA	>100 ug/m3 and <=150 ug/m3 as a 15 minute TWA	See Alert Limit criteria	>150 ug/m3 as a 15 minute TWA