



Monitoring Report

WMATA Bus Garage Monthly Report

**August 2023**

**Noise Exceedances:**

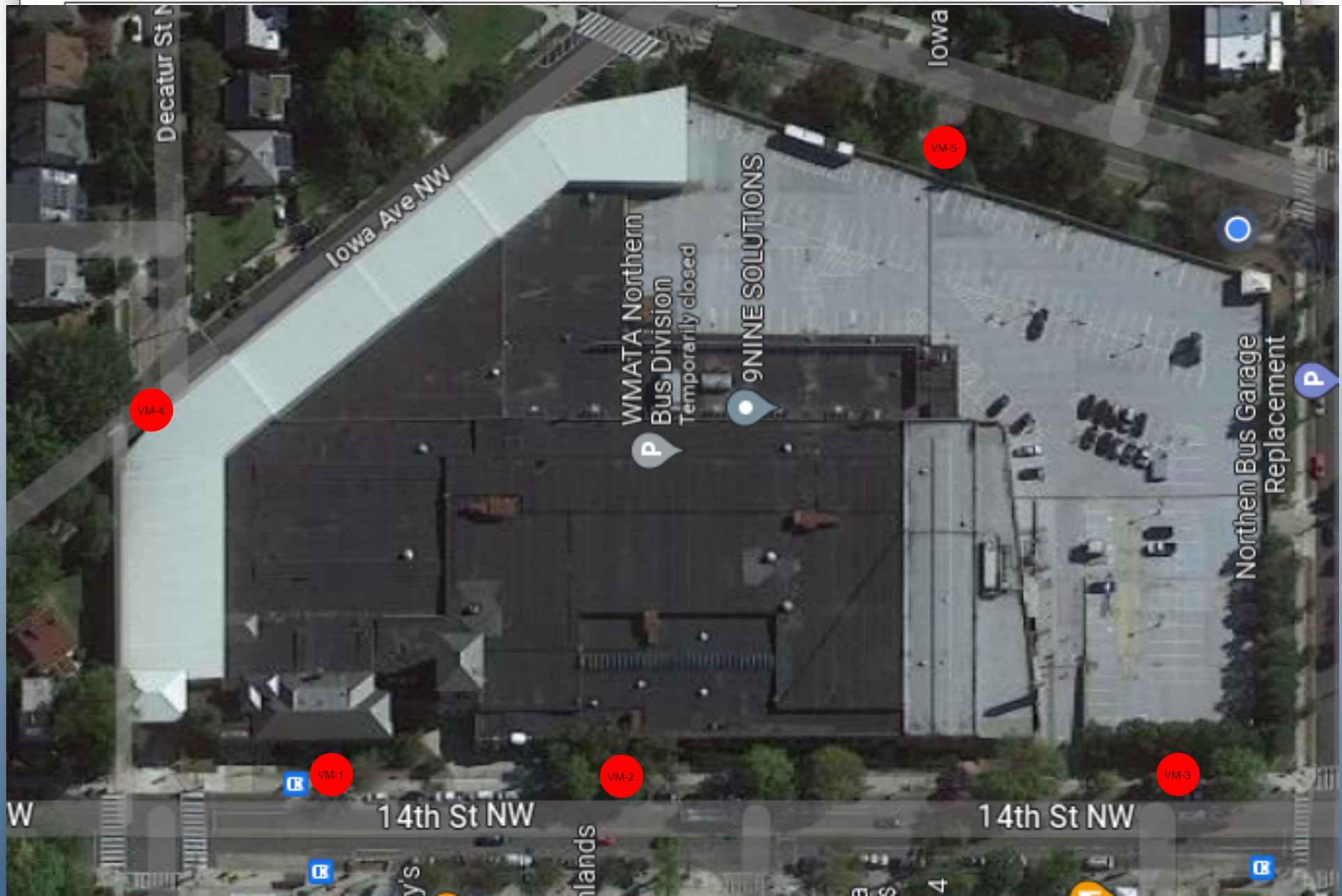
There continues to be numerous noise level exceedances at all hours of the day and all days of the week. Mic2 recorded the highest noise levels of any location after working hours and on weekends. In addition, Mic1 and Mic2 were similar to one another with 44% and 38% of the exceedances coming outside of working hours. Mic3 had 17% of its exceedances outside of working hours. Mic5 recorded 12% of its exceedances during nights and weekends. Mic54 had 9% of its exceedances outside of working hours.

**Vibration Exceedances:**

There were no vibration exceedances in the month of August 2023.

**Air Quality/Dust Monitoring Exceedances:**

There were no air quality exceedances in the month of August 2023.



# Air Monitor



VM1-MIC		
	Exceedance	Percentage
Work hours	864	62.43%
After hours	266	19.22%
Weekends	254	18.35%
Total	1384	100%

	Work hours	After hours	Weekends
Lmax	109.4	109.1	107.7
Lmin	81.1	82.4	78.1
L10	98	95	98
L90	85	84	83
Leq	92.8	91.5	94.9

VM2-MIC		
	Exceedance	Percentage
Work hours	515	66.20%
After hours	146	18.77%
Weekends	117	15.04%
Total	778	100%

	Work hours	After hours	Weekends
Lmax	115.1	113.3	113.8
Lmin	81.1	81.1	72.3
L10	110	105	97
L90	83	86	78
Leq	104.3	99	91.2

VM3-MIC		
	Exceedance	Percentage
Work hours	1333	83.63%
After hours	126	7.90%
Weekends	135	8.47%
Total	1594	100%

	Work hours	After hours	Weekends
Lmax	112	107	112.1
Lmin	82.2	80.4	78.1
L10	94	103	100
L90	84	84	81
Leq	95.2	96.9	95.8

VM4-MIC		
	Exceedance	Percentage
Work hours	77	91.67%
After hours	3	3.57%
Weekends	4	4.76%
Total	84	100%

	Work hours	After hours	Weekends
Lmax	98.6	88.6	90.1
Lmin	66.6	45.7	62.5
L10	89	54	73
L90	68	48	68
Leq	83.4	62.7	71.1

VM5-MIC		
	Exceedance	Percentage
Work hours	614	78.12%
After hours	78	9.92%
Weekends	94	11.96%
Total	786	100%

	Work hours	After hours	Weekends
Lmax	112.4	113	113.7
Lmin	80.5	73.6	77
L10	107	95	98
L90	86	77	84
Leq	101.9	90.2	93.6

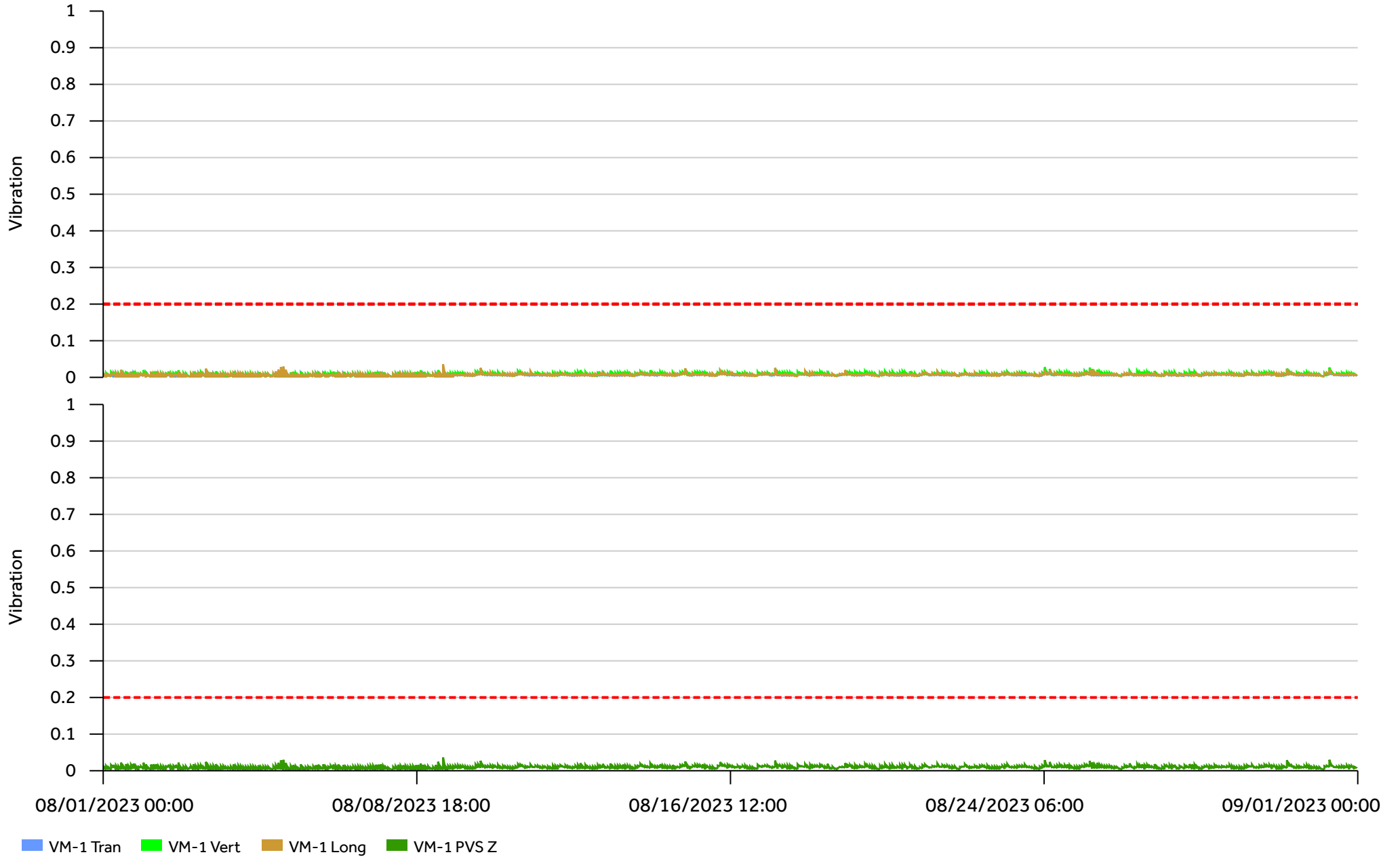
Air Quality Exceedances:

There were no air quality exceedances in the month of August 2023. The PM2.5 reading reached 40 µg/m<sup>3</sup>, equal to the limit, at DM3 on 8/10 at 09:40.

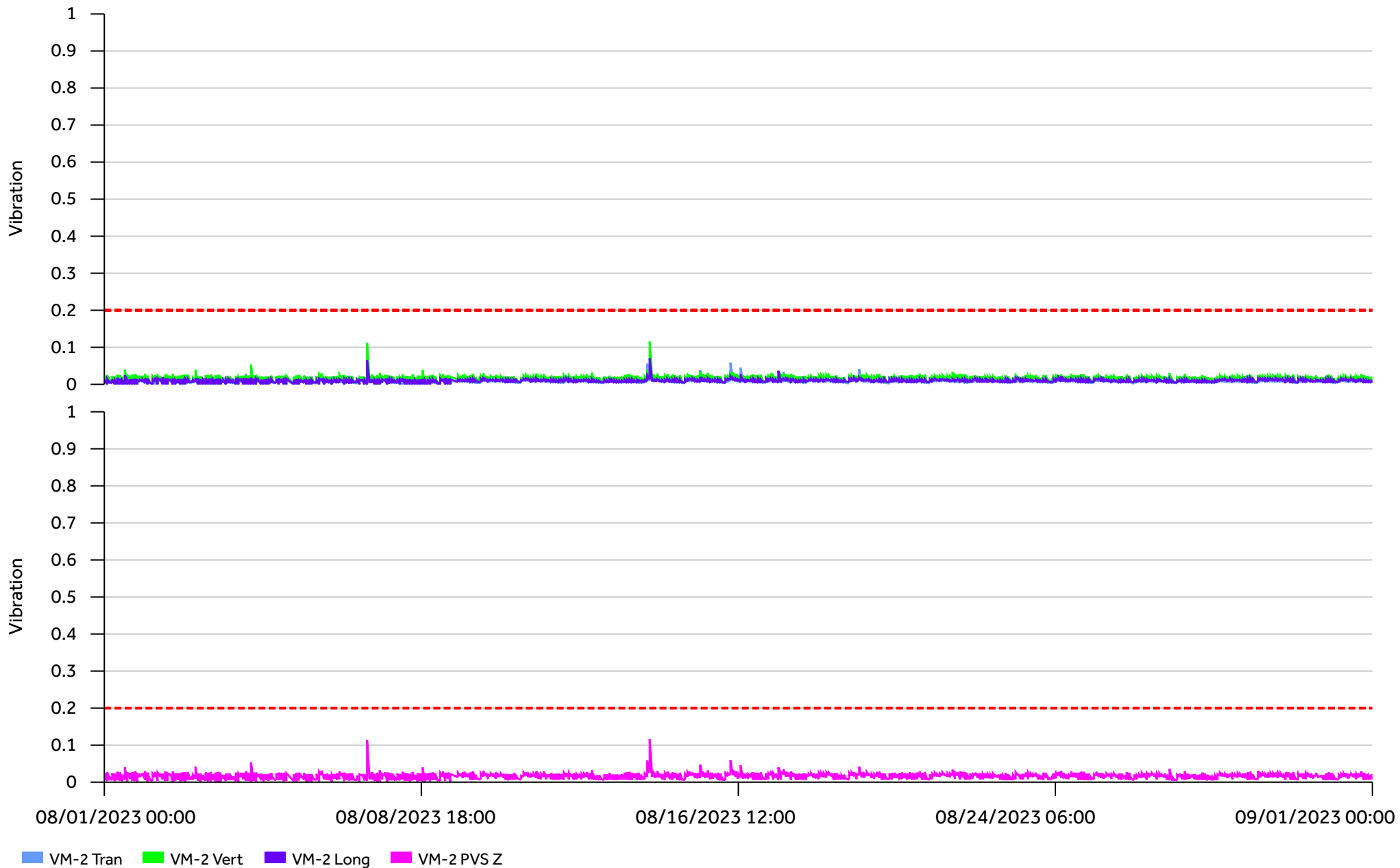
Observation Well Exceedances:

Observation wells do not have exceedance thresholds.

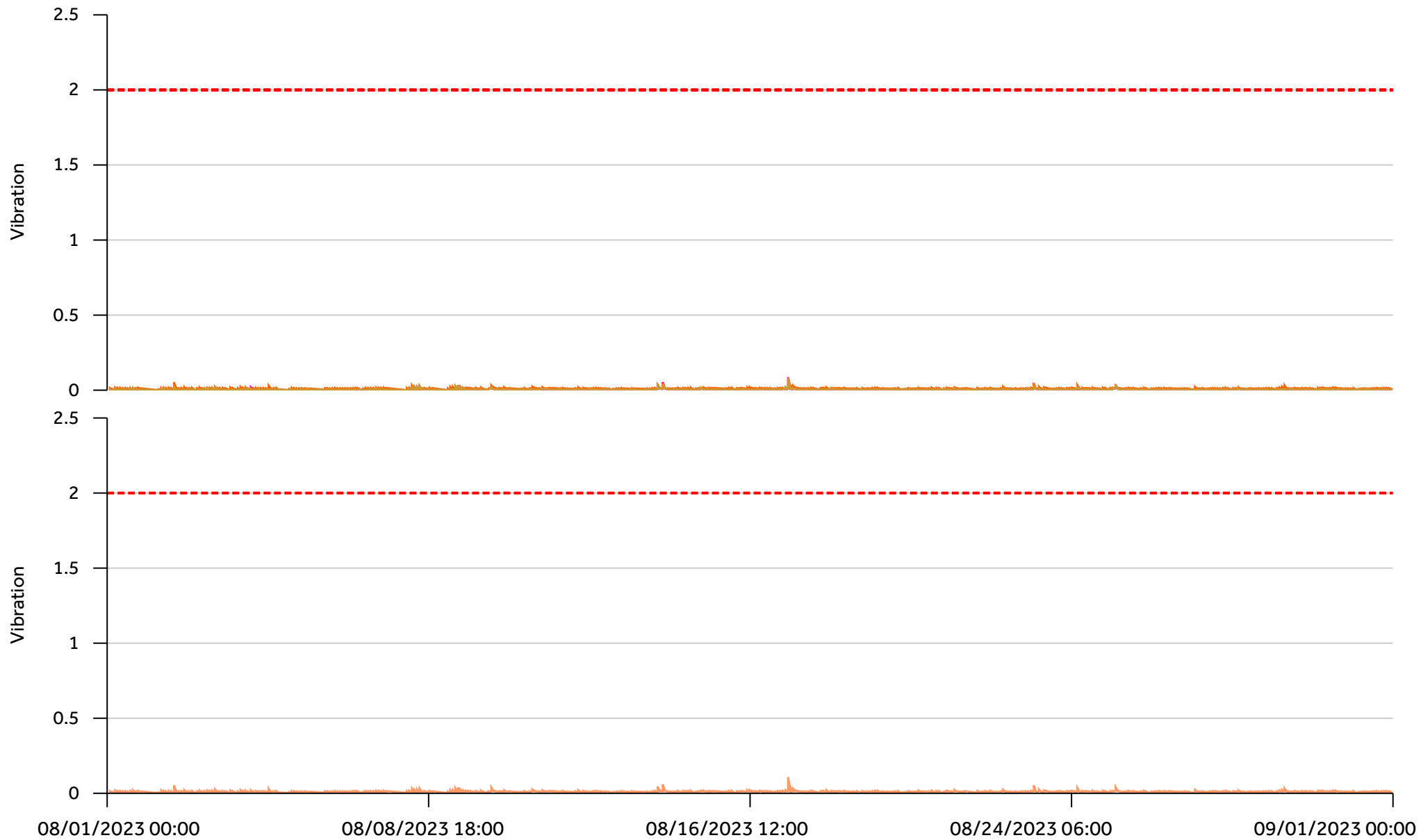
# VM-1- Vibration Monitor



# VM-2- Vibration Monitor



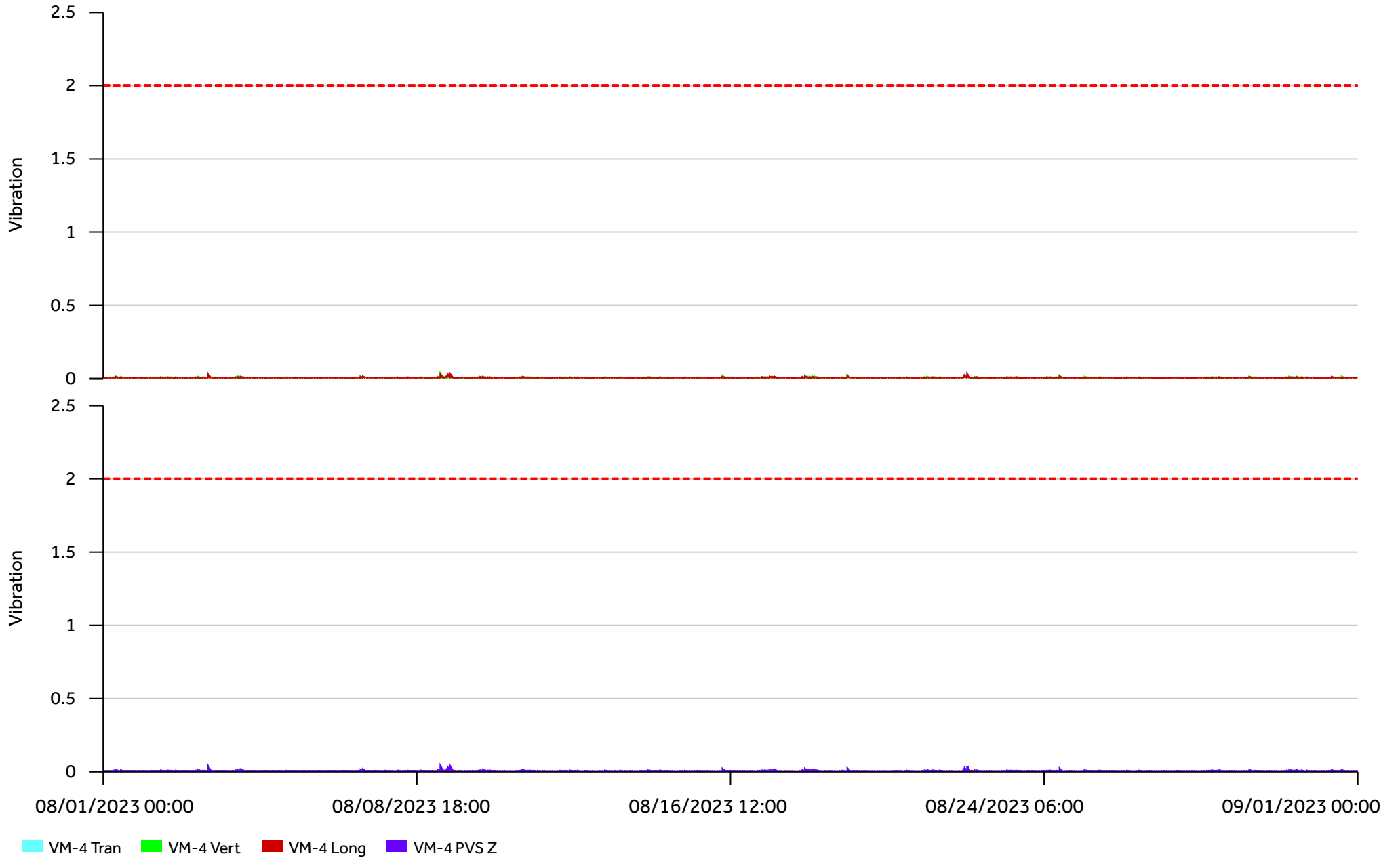
# VM-3- Vibration Monitor



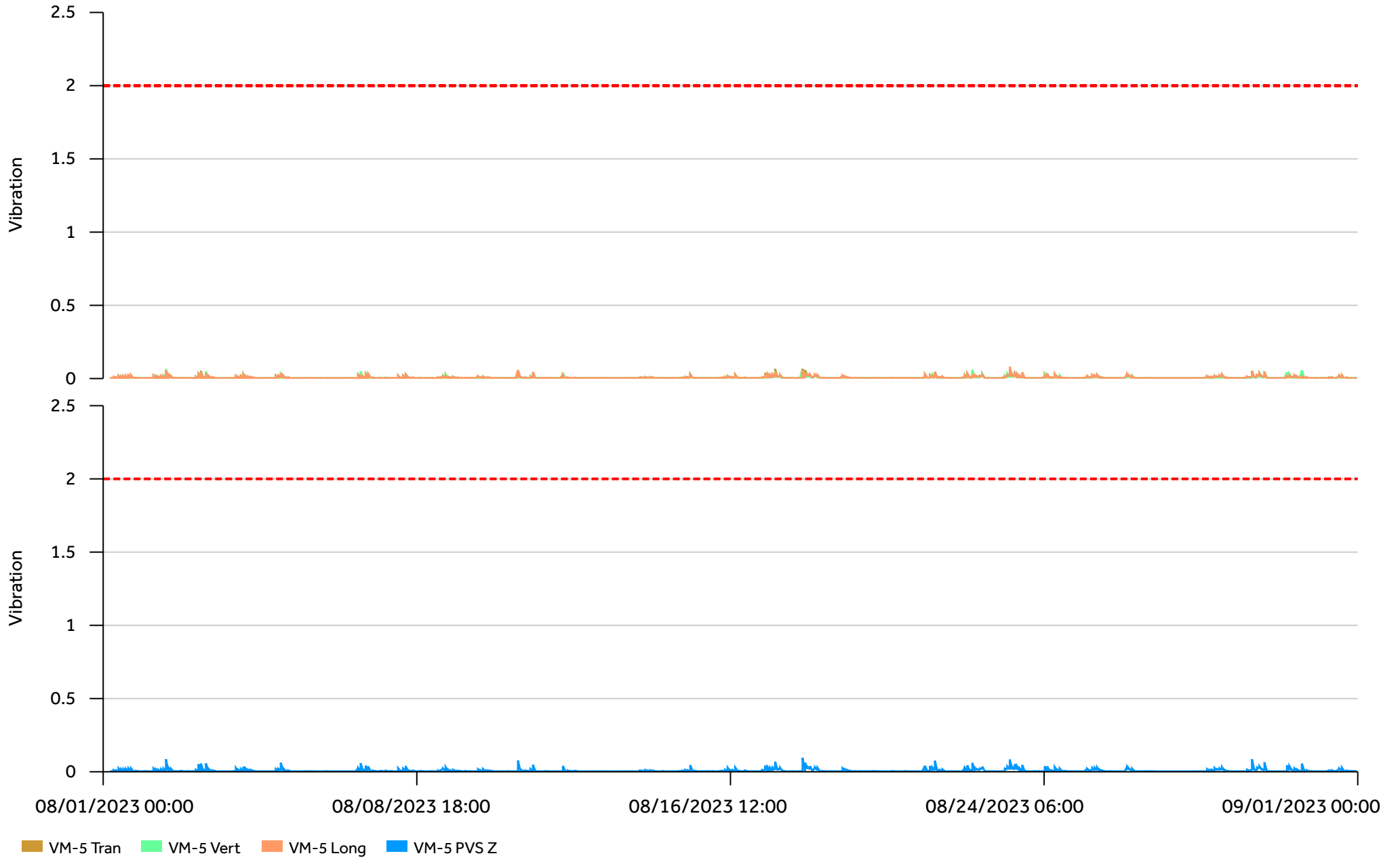
VM-3 Tran VM-3 Vert VM-3 Long VM-3 PVS Z



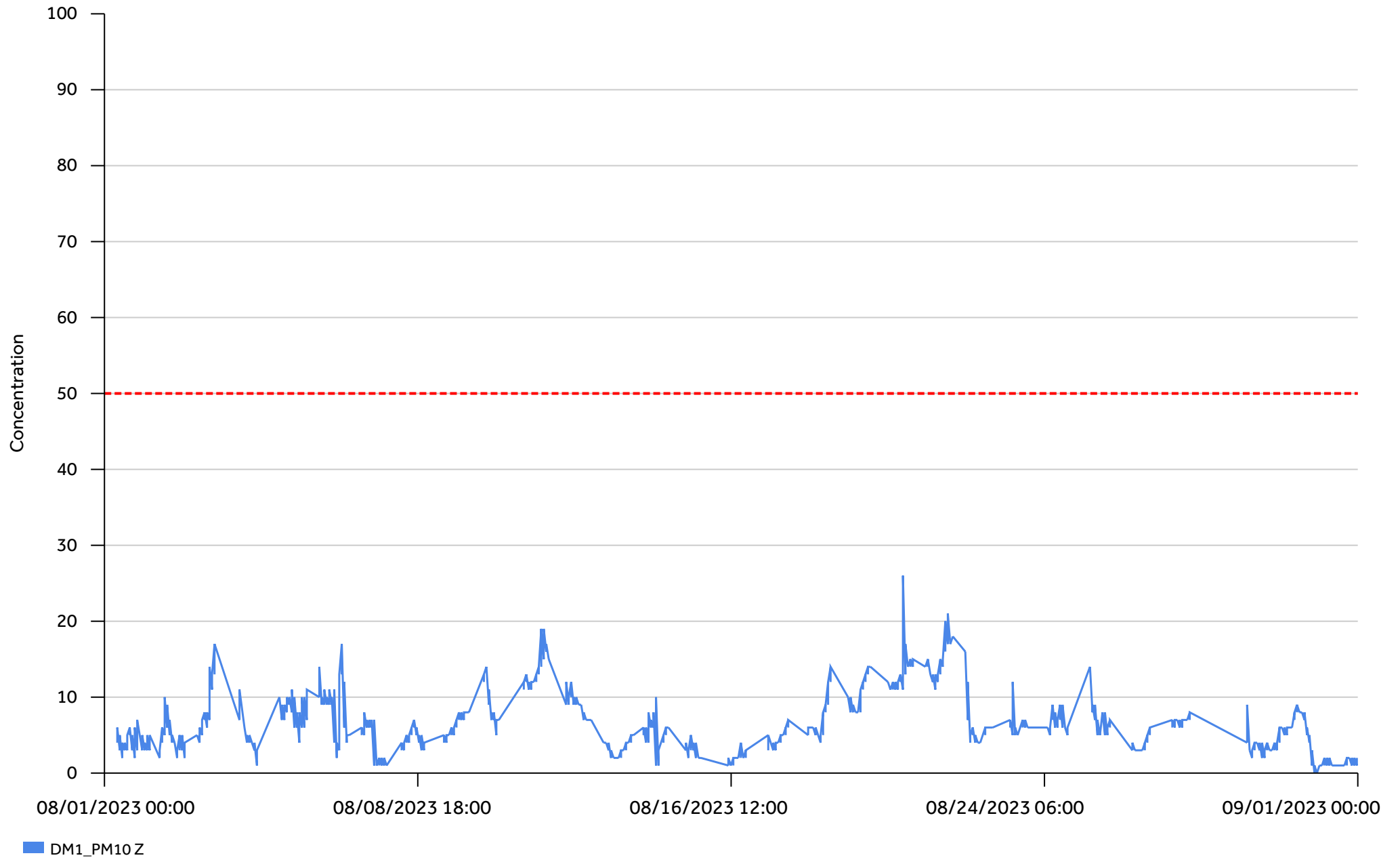
# VM-4- Vibration Monitor



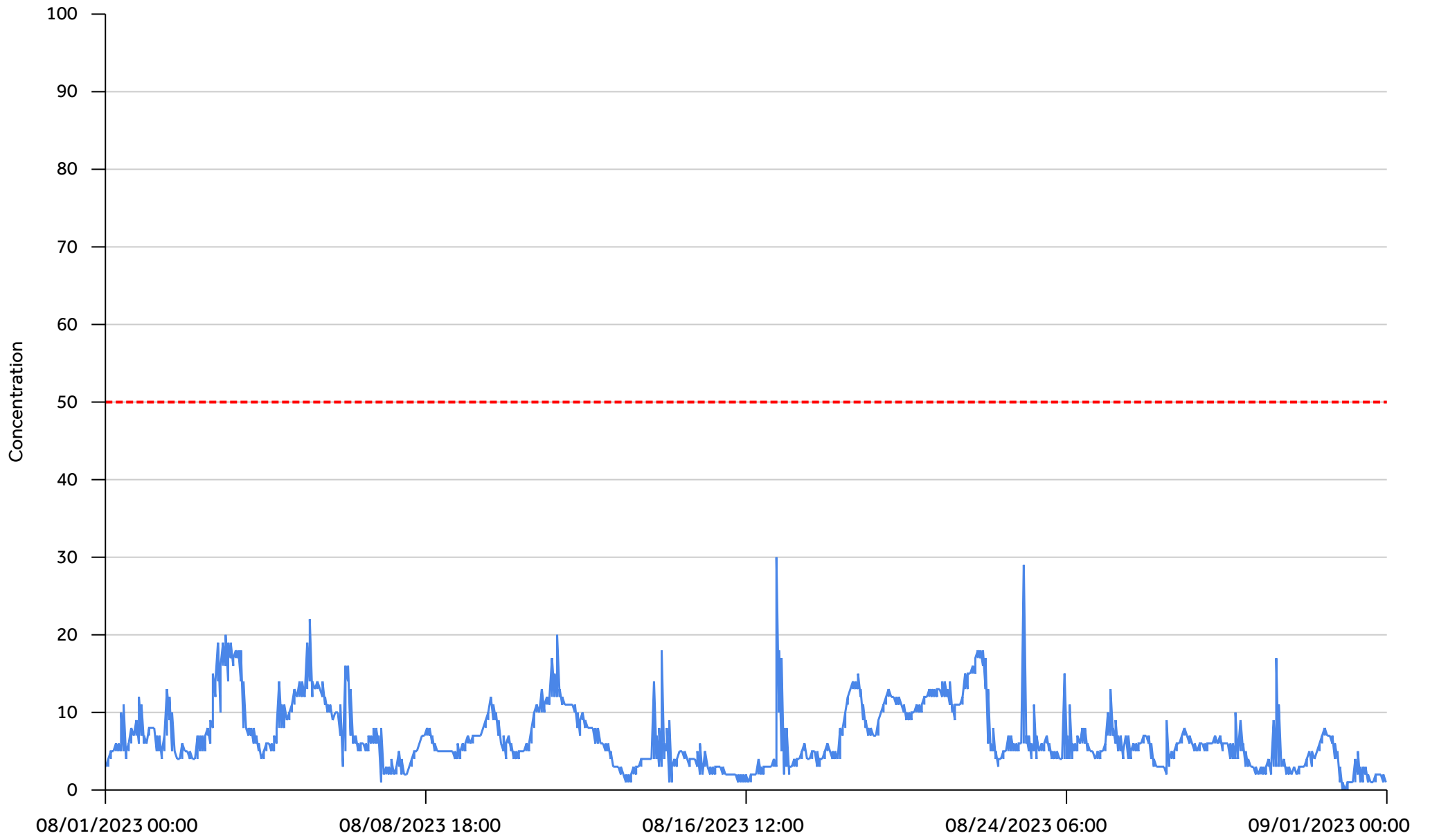
# VM-5- Vibration Monitor



DM1 - PM10

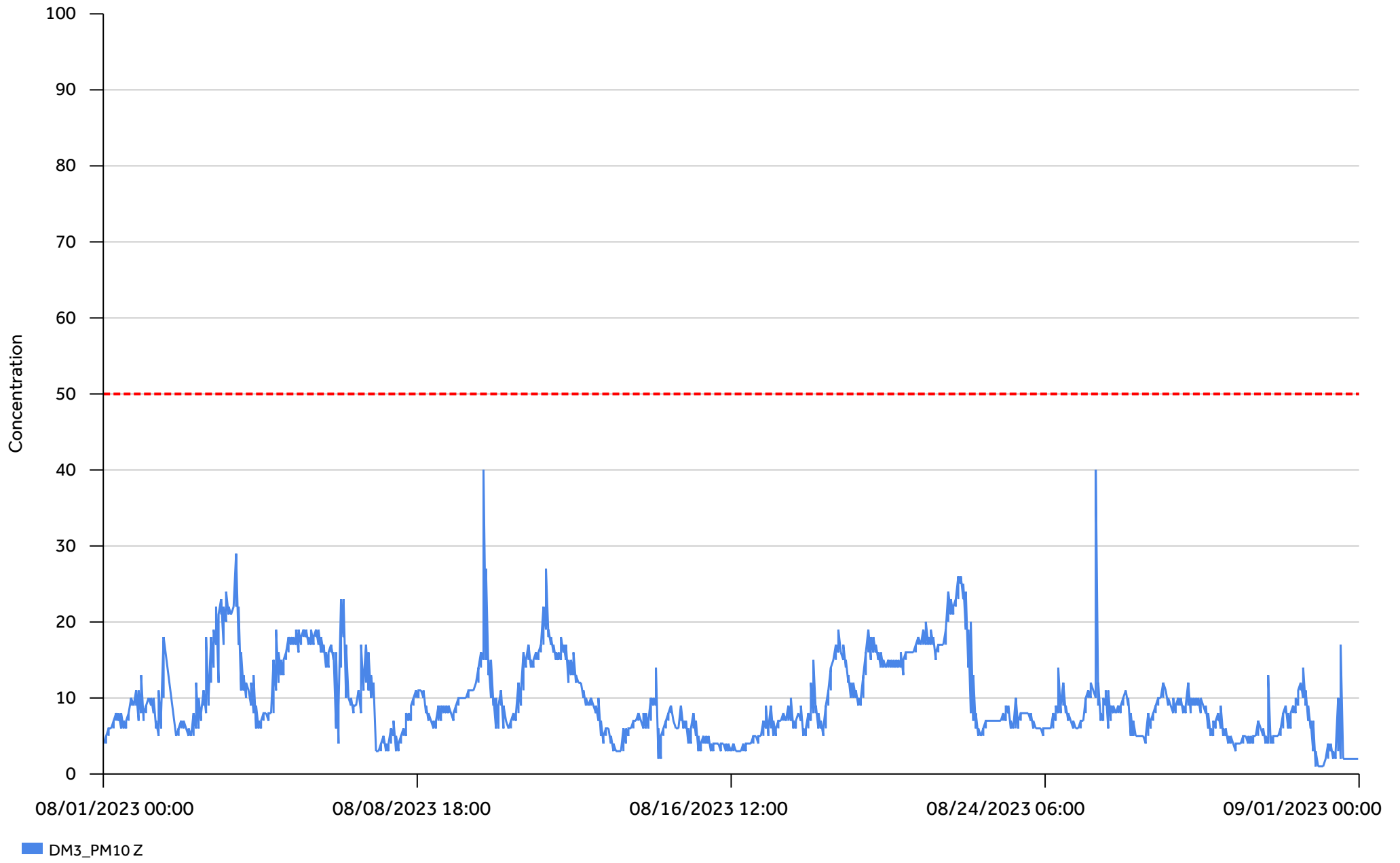


DM2-PM10

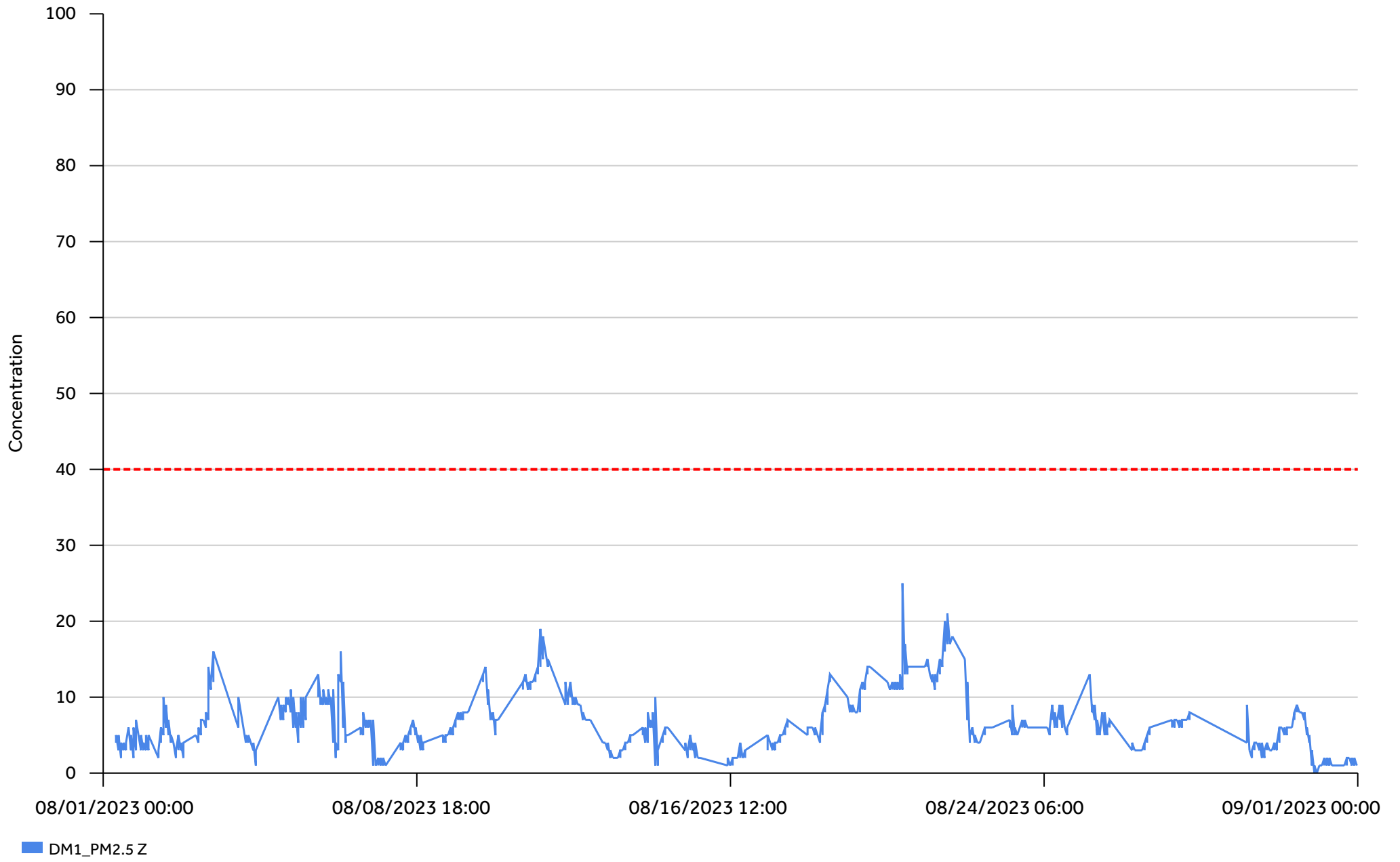


DM2\_PM10 Z

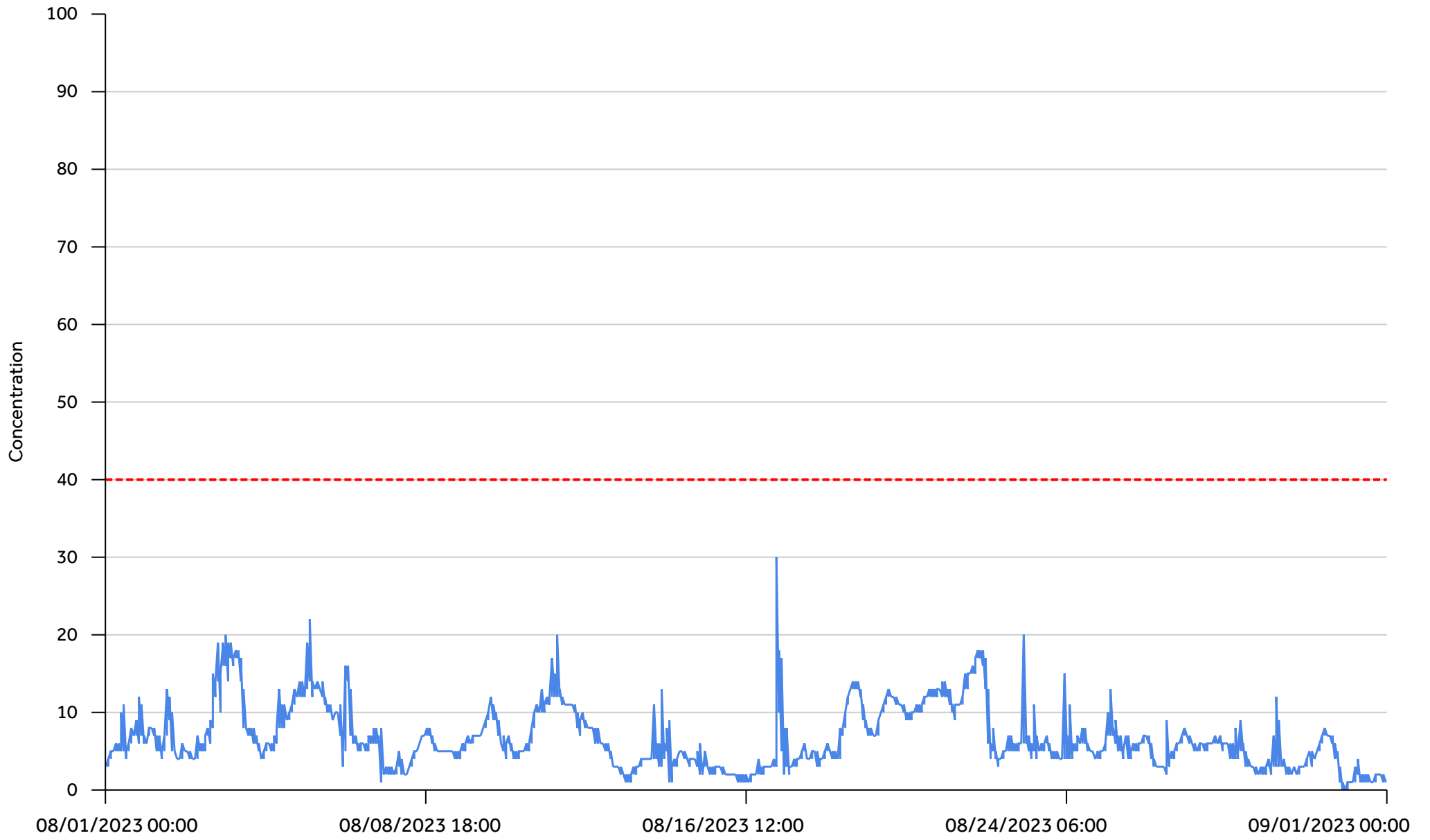
DM3-PM10



DM1-PM2.5



DM2-PM2.5



DM2\_PM2.5 Z

DM3-PM2.5

