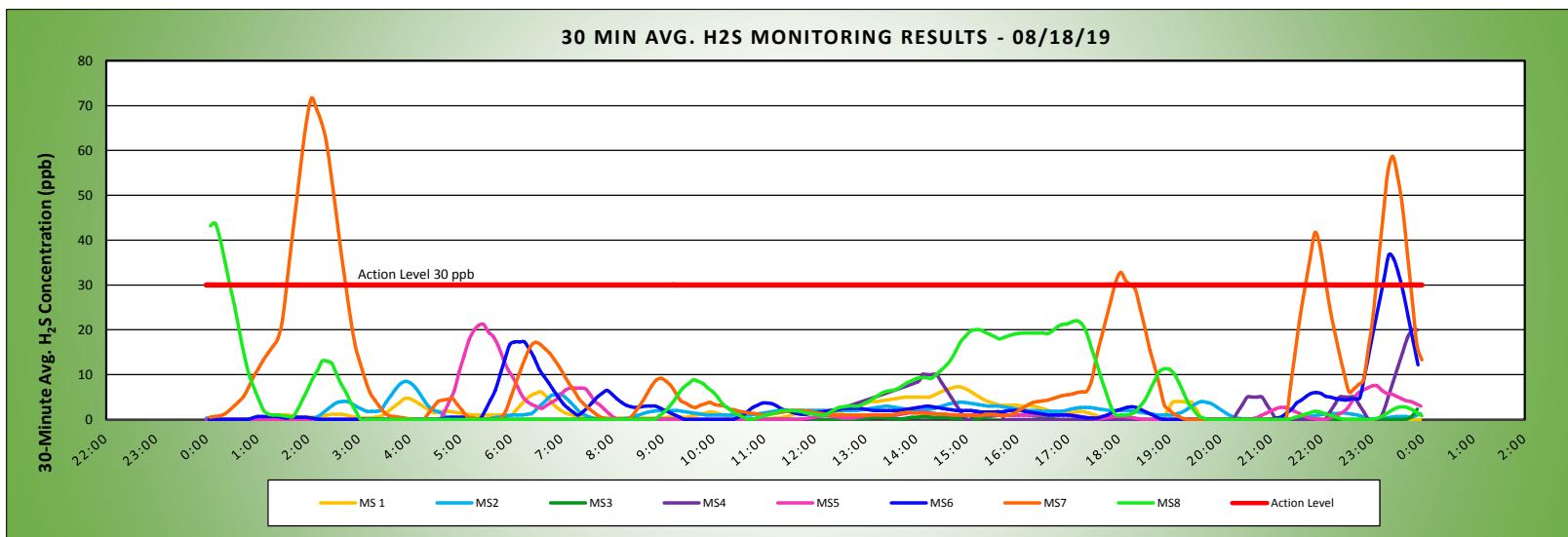


Keegan Landfill Monitoring Project	DAILY AIR MONITORING REPORT Keegan Landfill Monitoring Station Kearny, New Jersey	08/18/19	
		Field Operations	
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Submitted By:			
		30 Minute Avg H ₂ S Action Level	30 ppb

Weather Data Range from Full Weather Station		Wind Direction	SSE	Relative Humidity (%)	59.1 - 90.8	Daily Rain (in)	0.08	Landfill Perimeter Monitoring
Temp (°F)	70.8 - 89.9	Wind Speed (MPH)	0.2 - 12.5	Barometer (inHg)	30.03 - 30.11			

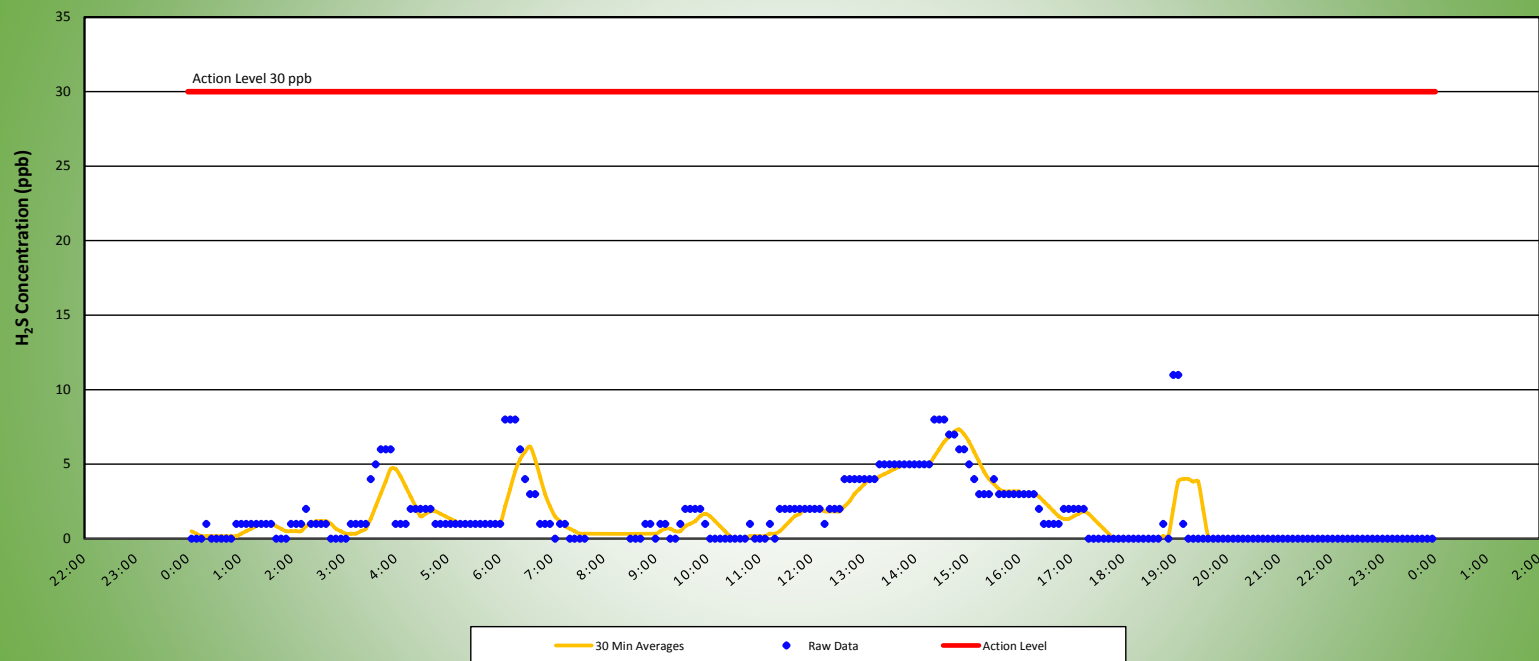
*Note: Wind Direction reported in the direction that it is coming from

Station Location Area	Work	Daily Avg. 30 Min H ₂ S Concentration (ppb)	Max 30 Min H ₂ S Concentration (ppb)	Time of Max 30 Min H ₂ S Reading	Corresponding Wind Direction
MS-1		1.6	7.3	14:50	SSE
MS-2		1.7	8.5	3:55	SW
MS-3		0.1	2.3	23:53	SSW
MS-4		1.1	20.0	23:47	SSW
MS-5		1.9	21.2	5:27	NNE
MS-6		3.2	36.7	23:19	S
MS-7		10.2	71.7	2:03	ENE
MS-8		6.1	43.7	0:09	S

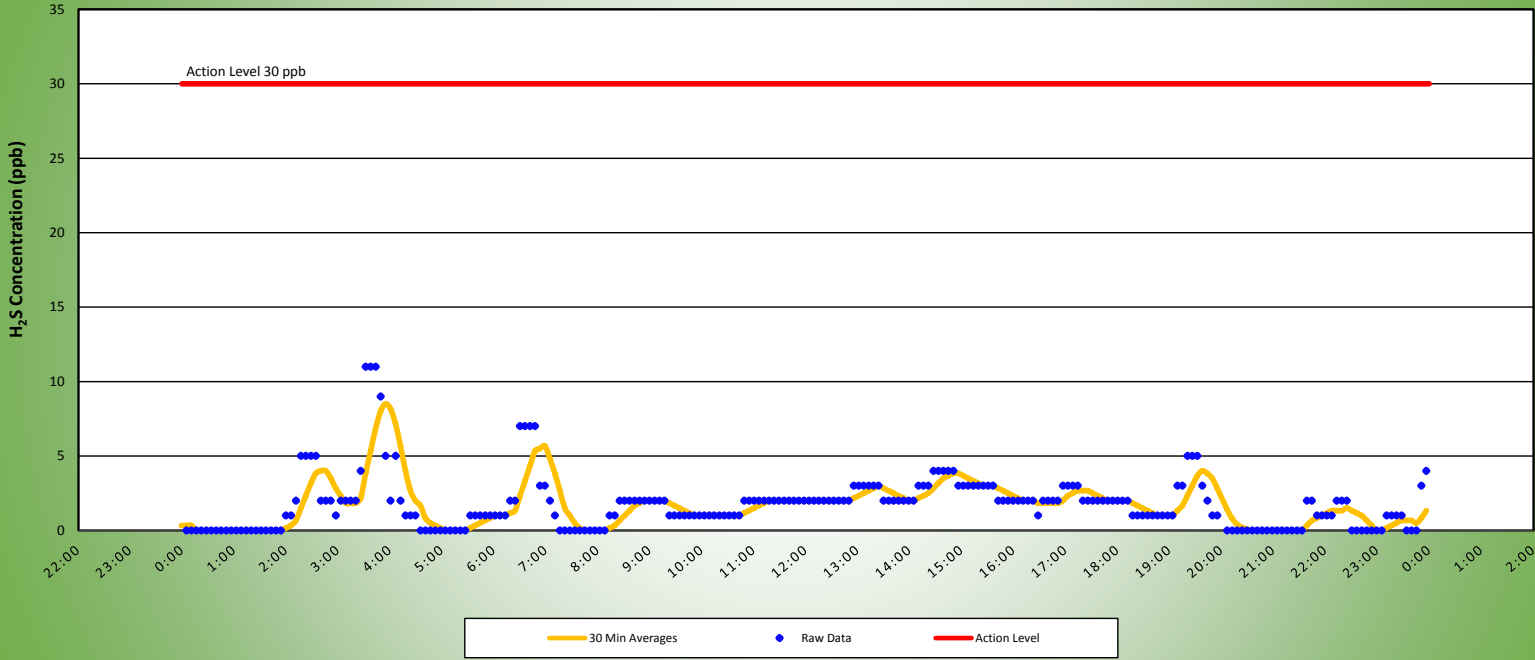


Air Monitoring Notes:

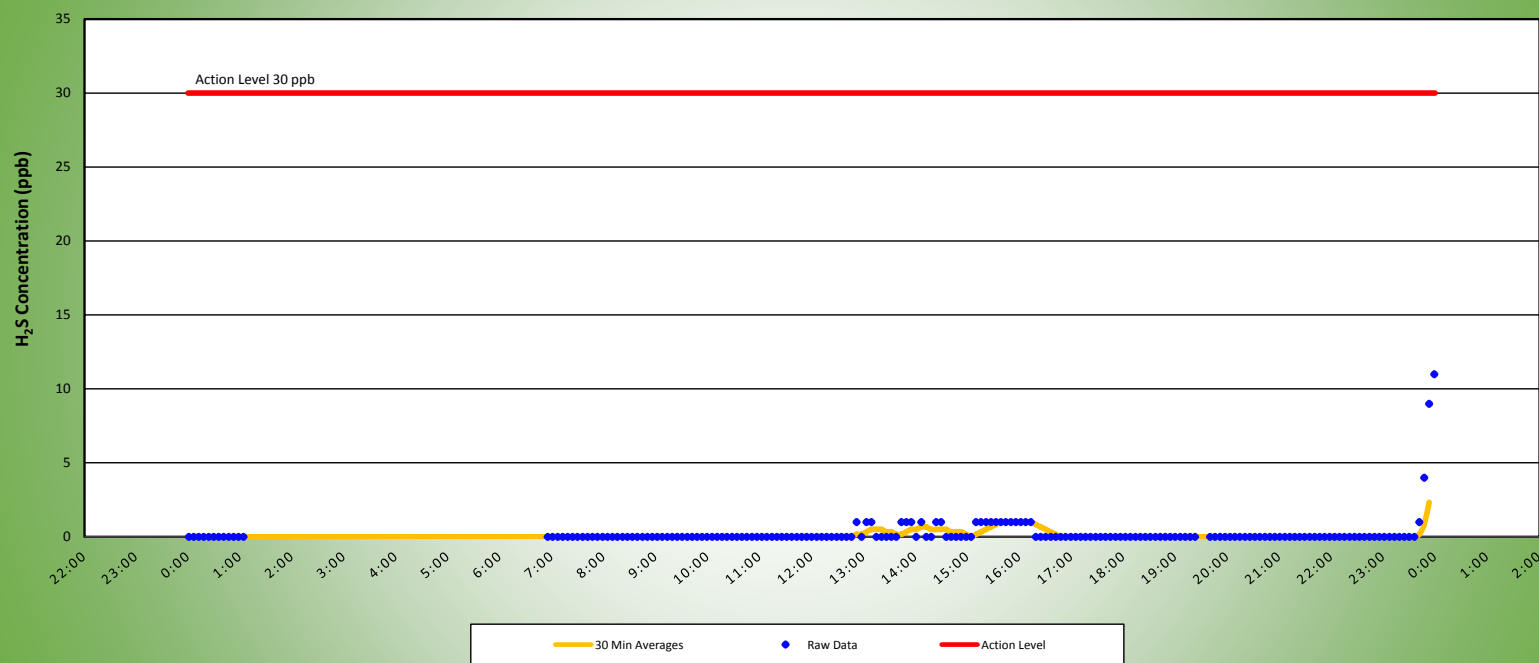
MS1 H2S MONITORING RESULTS - 08/18/19



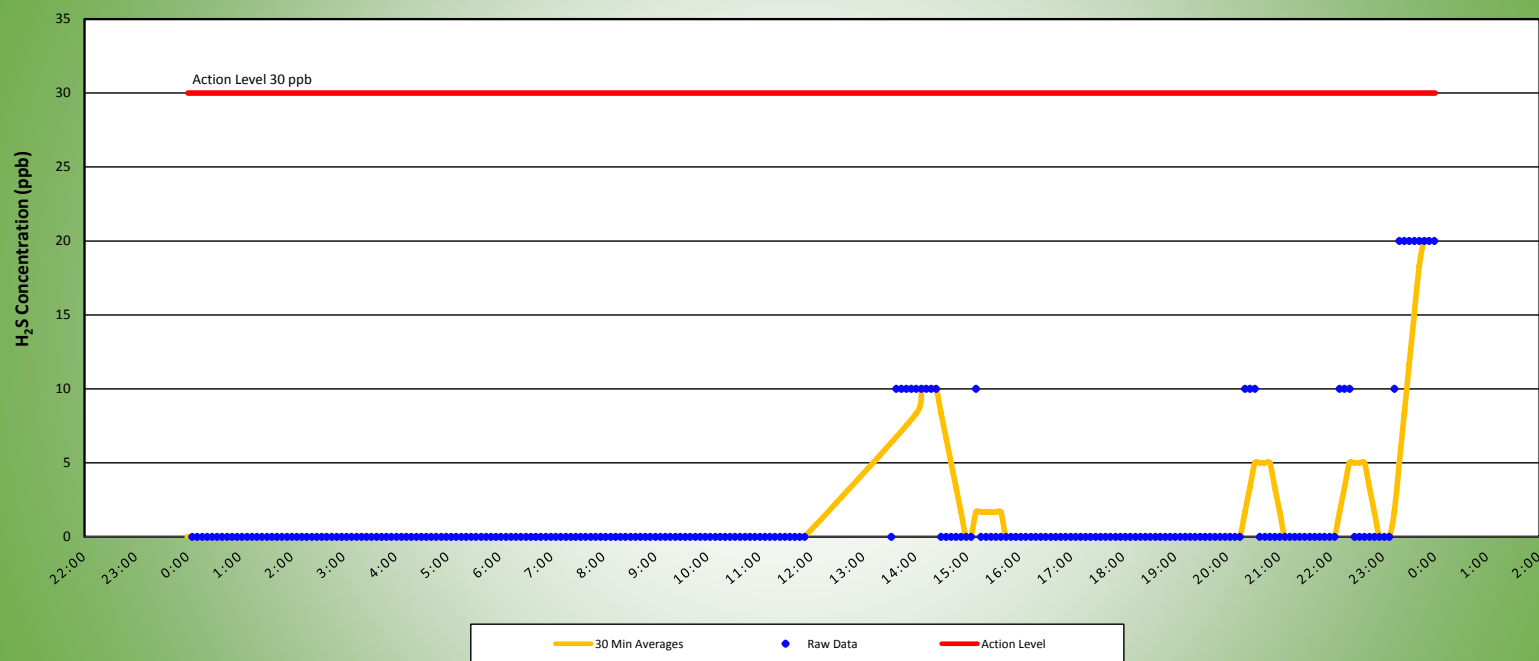
MS2 H2S MONITORING RESULTS - 08/18/19



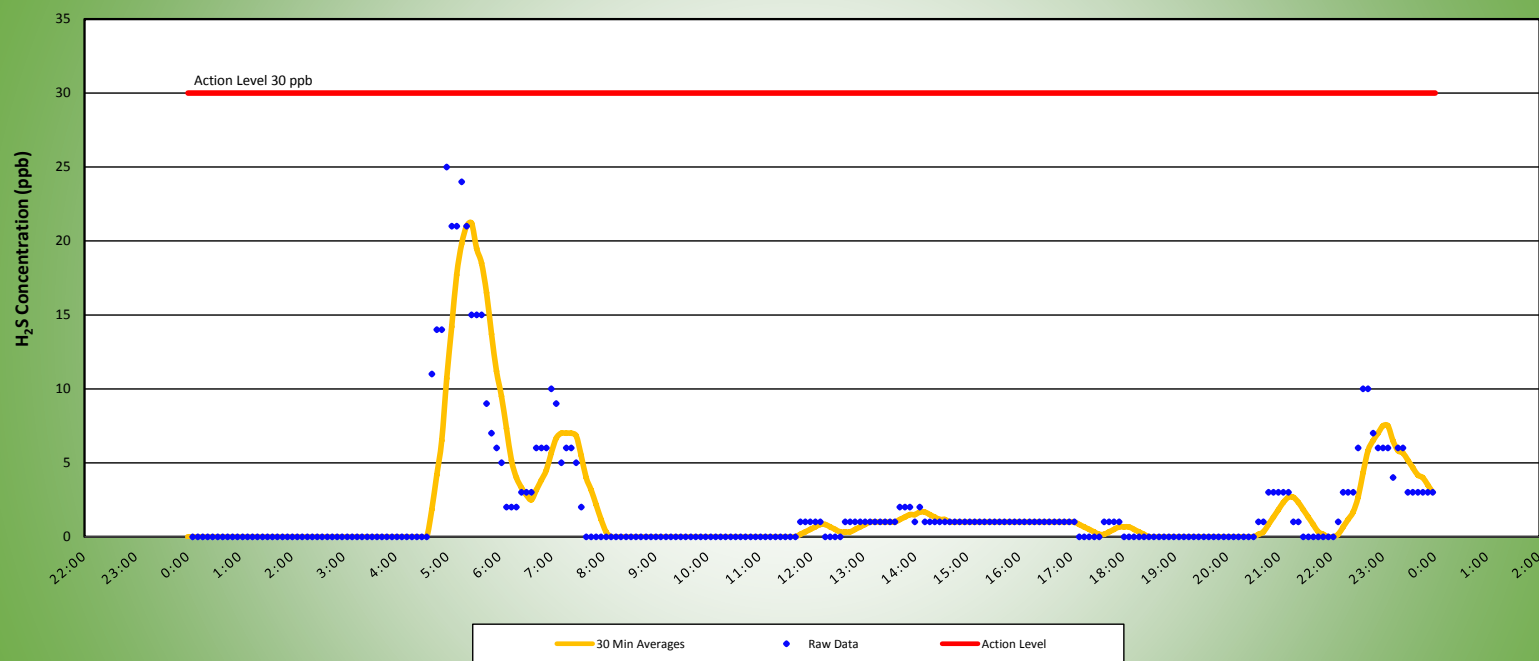
MS3 H2S MONITORING RESULTS - 08/18/19



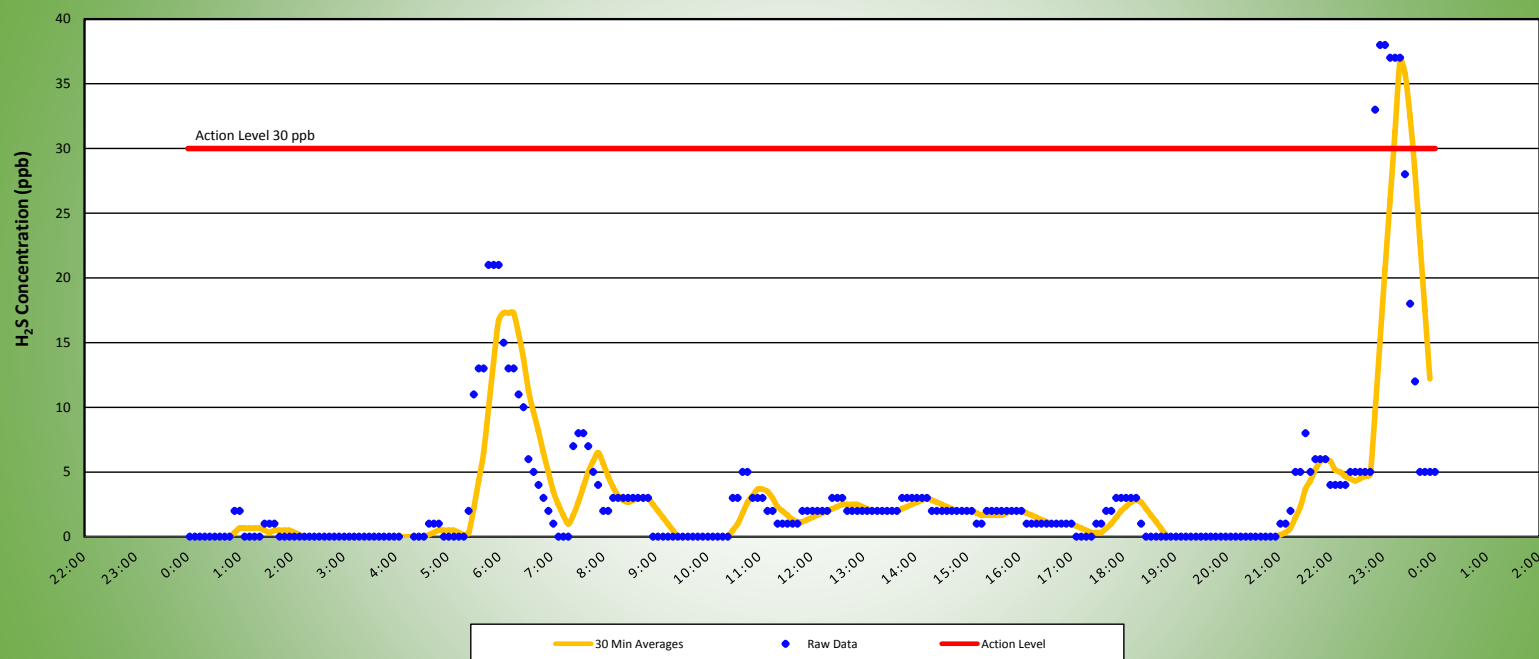
MS4 H2S MONITORING RESULTS - 08/18/19



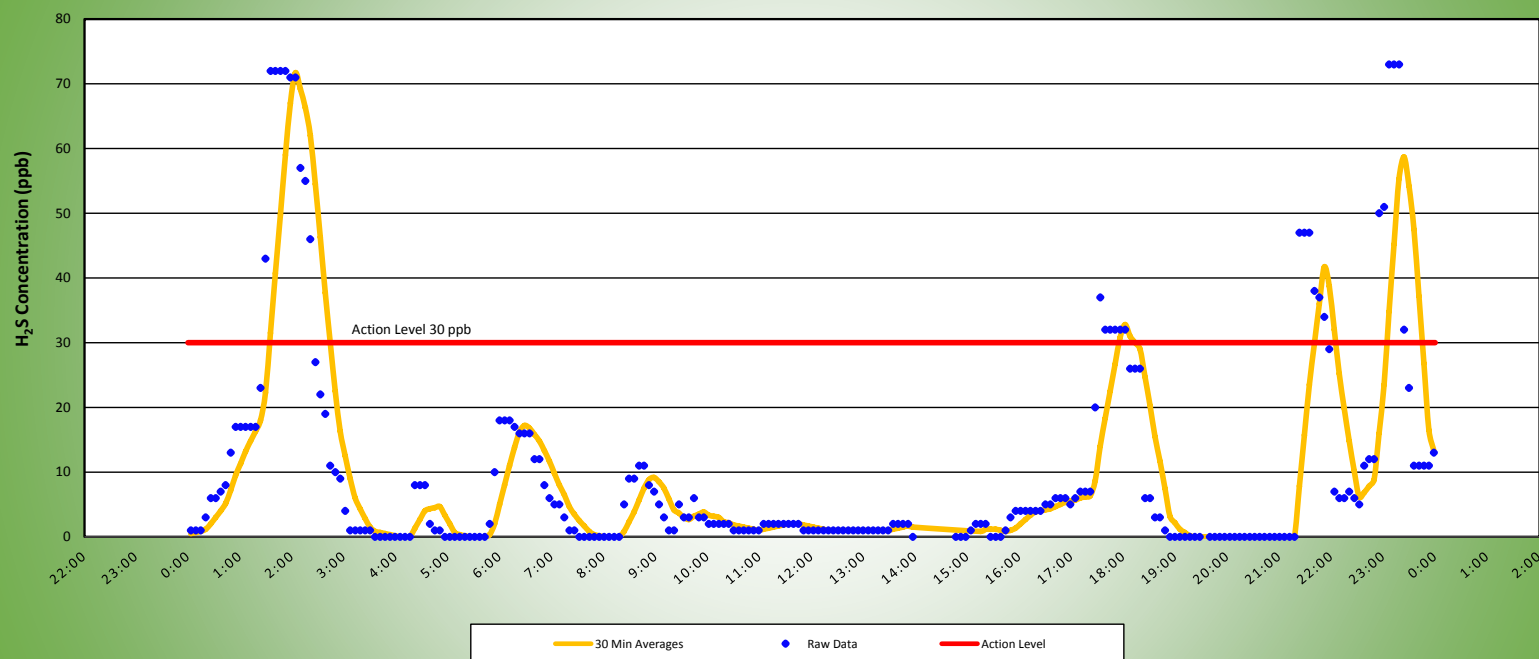
MS5 H2S MONITORING RESULTS - 08/18/19



MS6 H2S MONITORING RESULTS - 08/18/19



MS7 H2S MONITORING RESULTS - 08/18/19



MS8 H₂S MONITORING RESULTS - 08/18/19

The graph displays H₂S concentration in ppb on the y-axis (0 to 50) against time on the x-axis (from 22:00 to 2:00). A red horizontal line indicates the Action Level at 30 ppb. The yellow line represents the 30-minute averages, and the blue dots represent the raw data.

Key observations from the graph:

- The concentration starts high, peaking at approximately 43 ppb around 00:00.
- It drops significantly, remaining near 0 ppb until about 02:00.
- There is a small peak around 02:30, reaching approximately 13 ppb.
- The concentration remains low until about 08:00.
- It rises again, peaking at approximately 9 ppb around 10:00.
- The concentration fluctuates between 2 and 10 ppb until about 14:00.
- It rises sharply, peaking at approximately 22 ppb around 17:00.
- It drops again, remaining near 0 ppb until about 19:00.
- There is another peak around 19:30, reaching approximately 11 ppb.
- The concentration remains low until about 21:00.
- It rises slightly, peaking at approximately 3 ppb around 23:00.
- The concentration remains low until about 00:00.

Legend:

- 30 Min Averages (Yellow line)
- Raw Data (Blue dots)
- Action Level (Red line)

