

# Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

**Project Name: H<sub>2</sub>S in South and North Carolina**

**From: 6/20/21  
12:01 AM**

**To: 6/20/21  
11:59 PM**



William-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26827	4941	0 - 17 ppb	0.94 ppb	70 ppb

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26881	2098	0 - 36 ppb	1.14 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25966	2379	0 - 7 ppb	0.26 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26947	4695	0 - 9 ppb	0.8 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27568	1197	0 - 2 ppb	0.07 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26075	6637	0 - 55 ppb	1.71 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26578	4123	0 - 21 ppb	0.65 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26840	4086	0 - 5 ppb	0.37 ppb	70 ppb

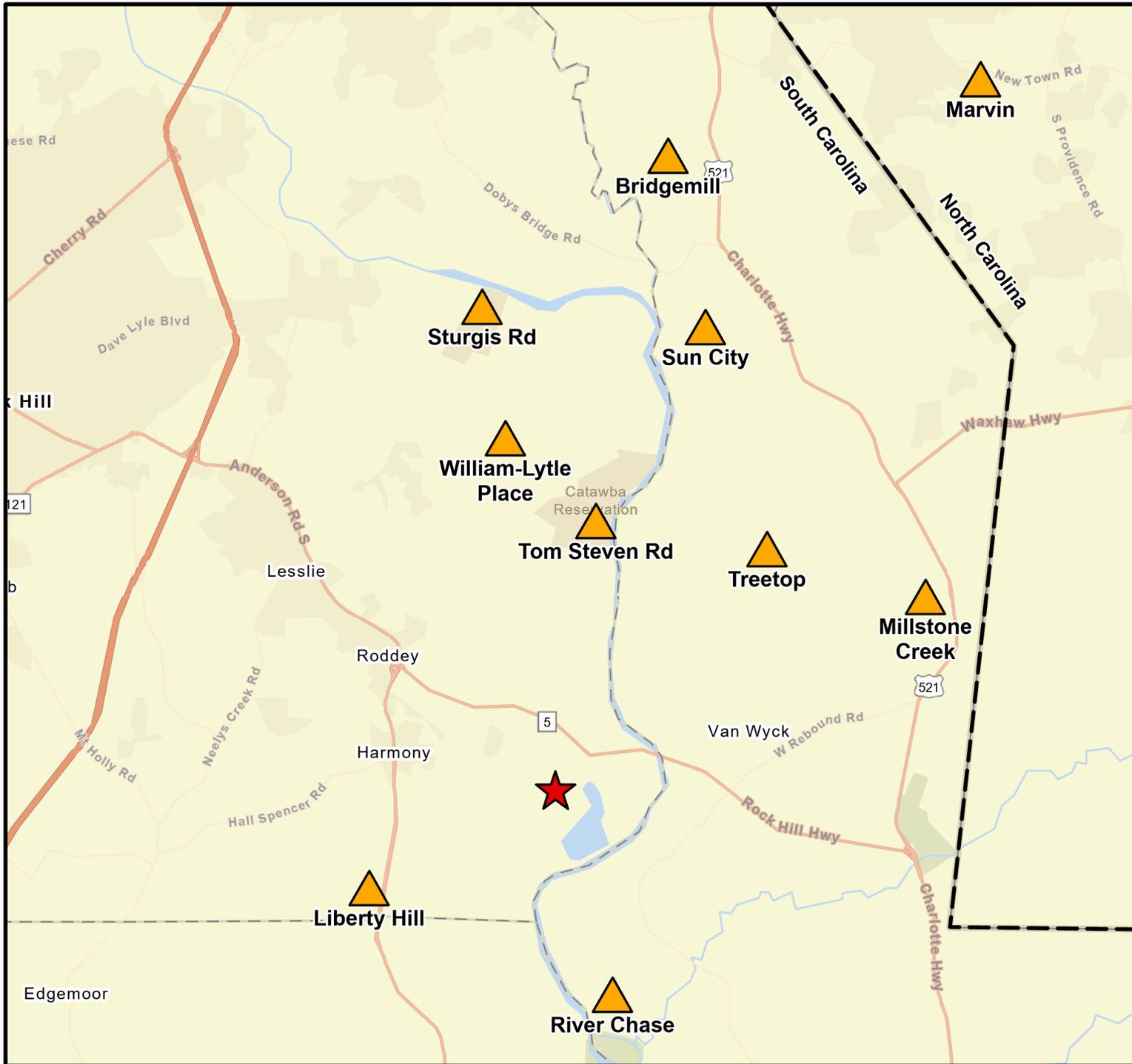
Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27242	1963	0 - 4 ppb	0.17 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27554	472	0 - 2 ppb	0.02 ppb	70 ppb

**Notes:**

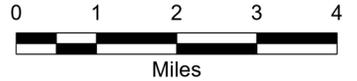
Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

- ATSDR MRL      Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
- H<sub>2</sub>S            Hydrogen Sulfide
- hr               Hour
- ppb             Parts per billion
- MRL Exceedance   Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
- SPM            Single Point Monitor
- TWA            Time Weighted Average



**Legend**

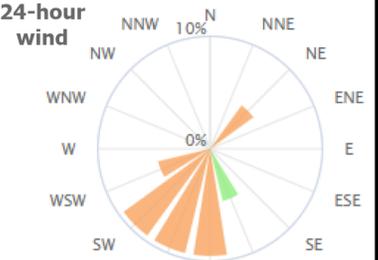
-  Fixed Monitoring Locations
-  New Indy Containerboard



Map Source:  
ESRI Streets



Note: Wind diagram below shows the direction wind is blowing from.



- Vrbl: 14.3%  
Calm: 42.78%
-  <1 mph
  -  5-10 mph
  -  15-20 mph
  -  >25 mph
  -  1-5 mph
  -  10-15 mph
  -  20-25 mph

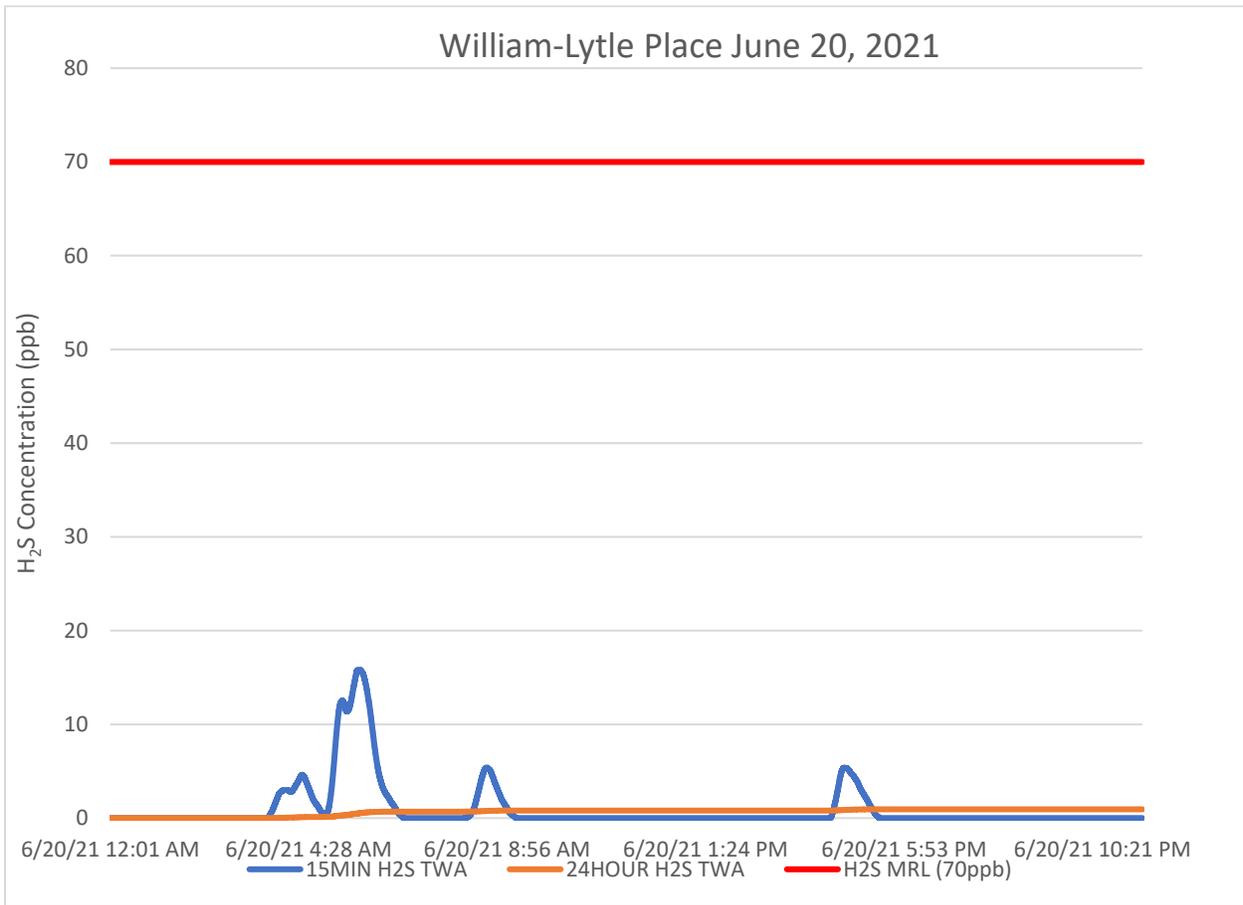
# H<sub>2</sub>S in South and North Carolina

## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

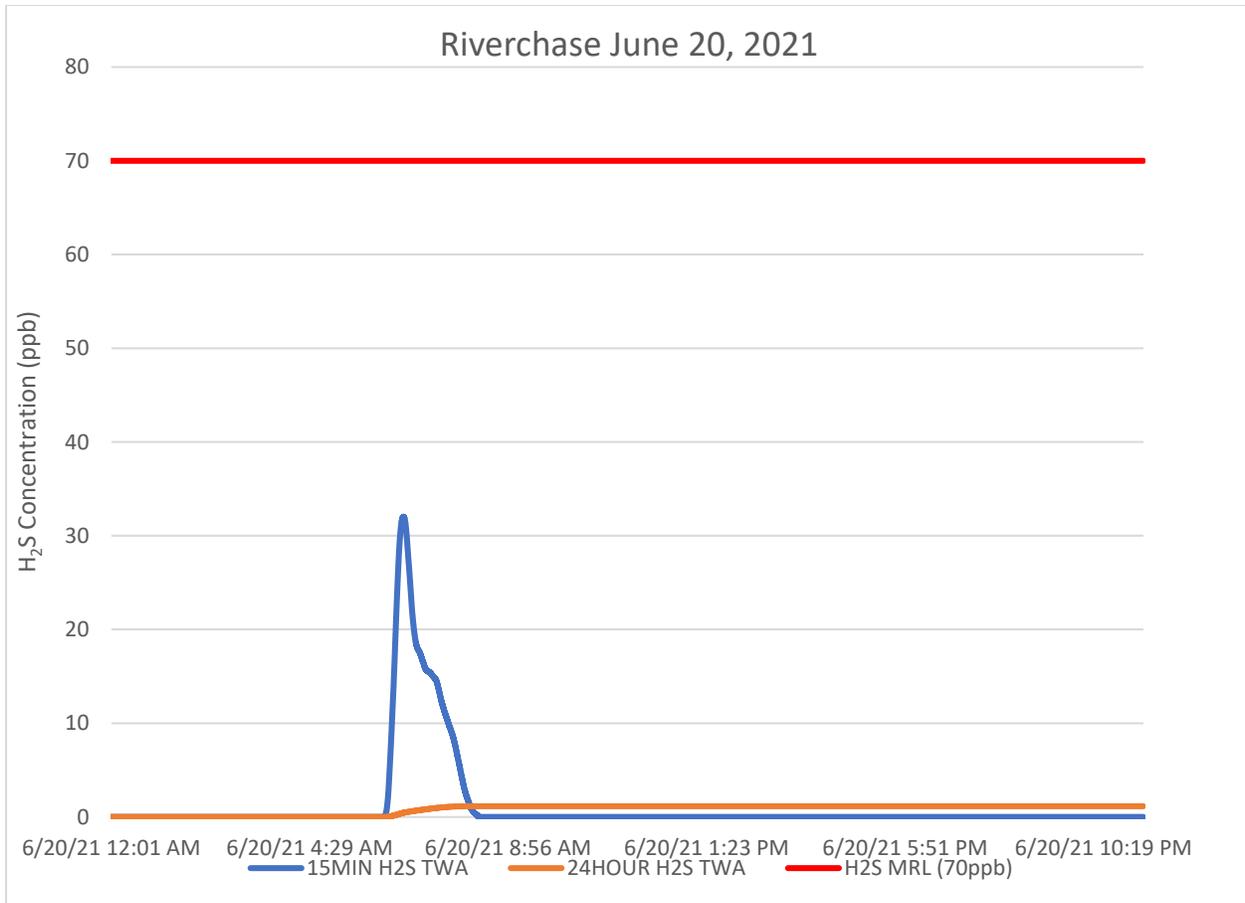
The prevailing wind directions for this reporting period were out of the south, south-southwest, and southwest with smaller percentages out of the south-southeast, west-southwest, and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion during this reporting period.



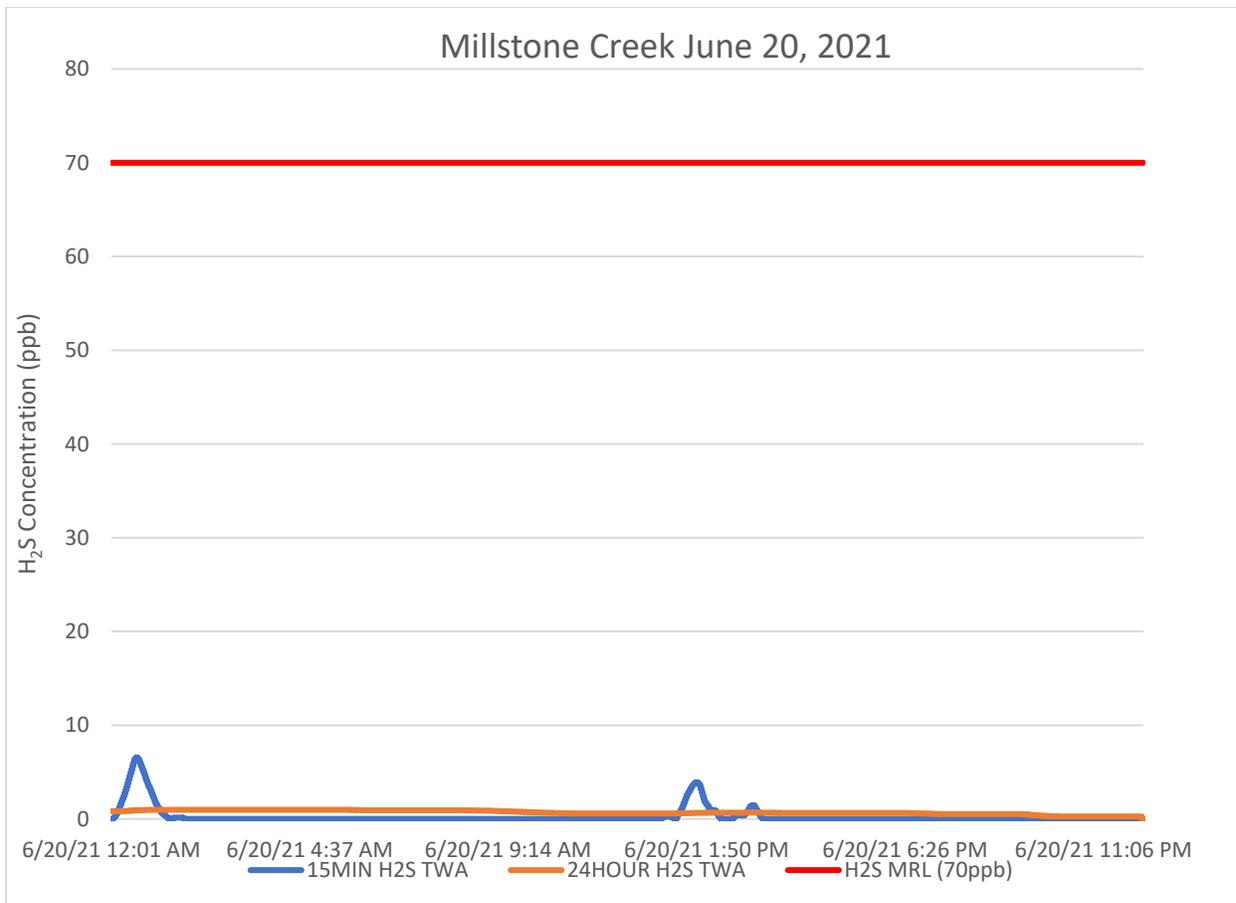
**Notes:**

- H<sub>2</sub>S – Hydrogen Sulfide
- MIN – Minute
- MRL – Minimal Risk Level
- ppb – Parts per billion
- TWA – Time weighted average



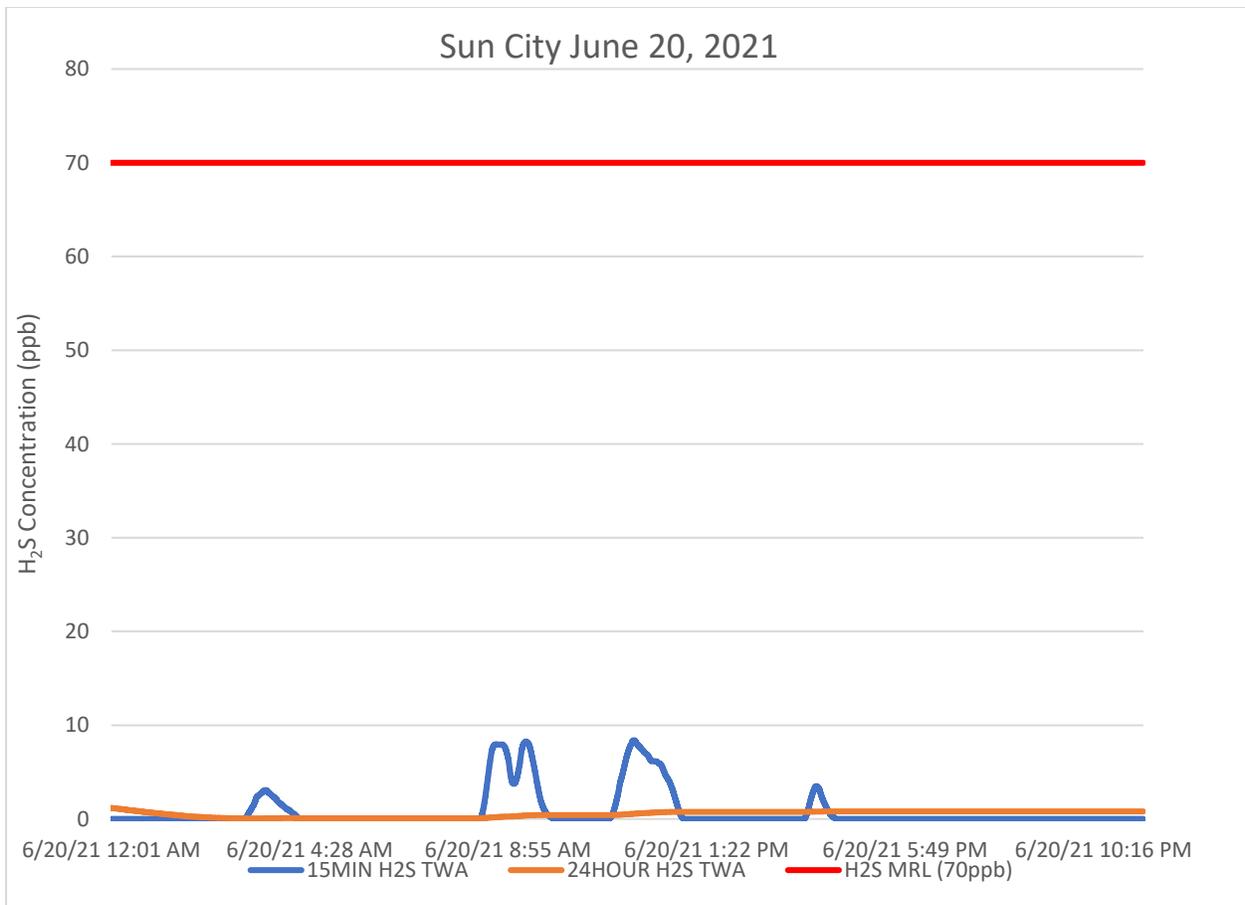
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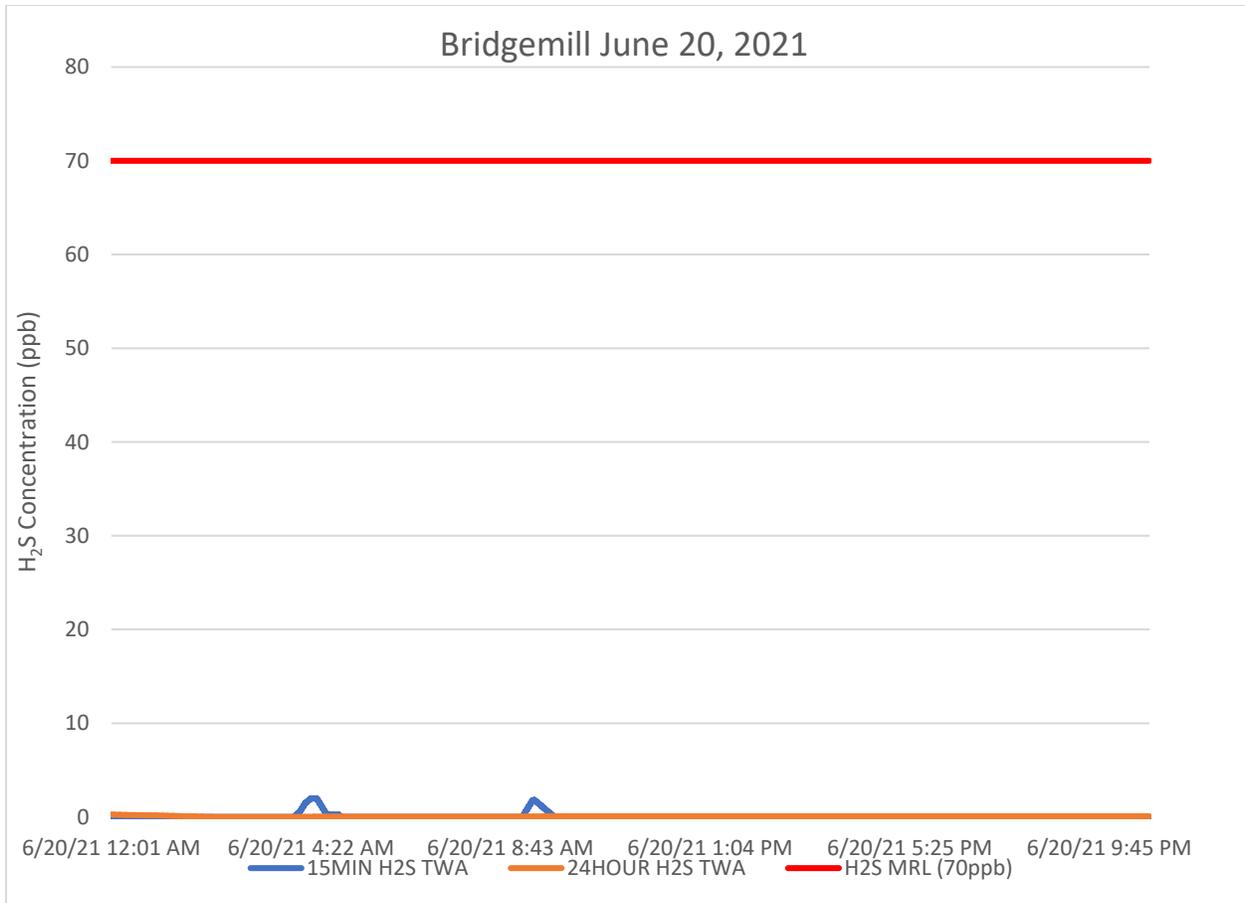
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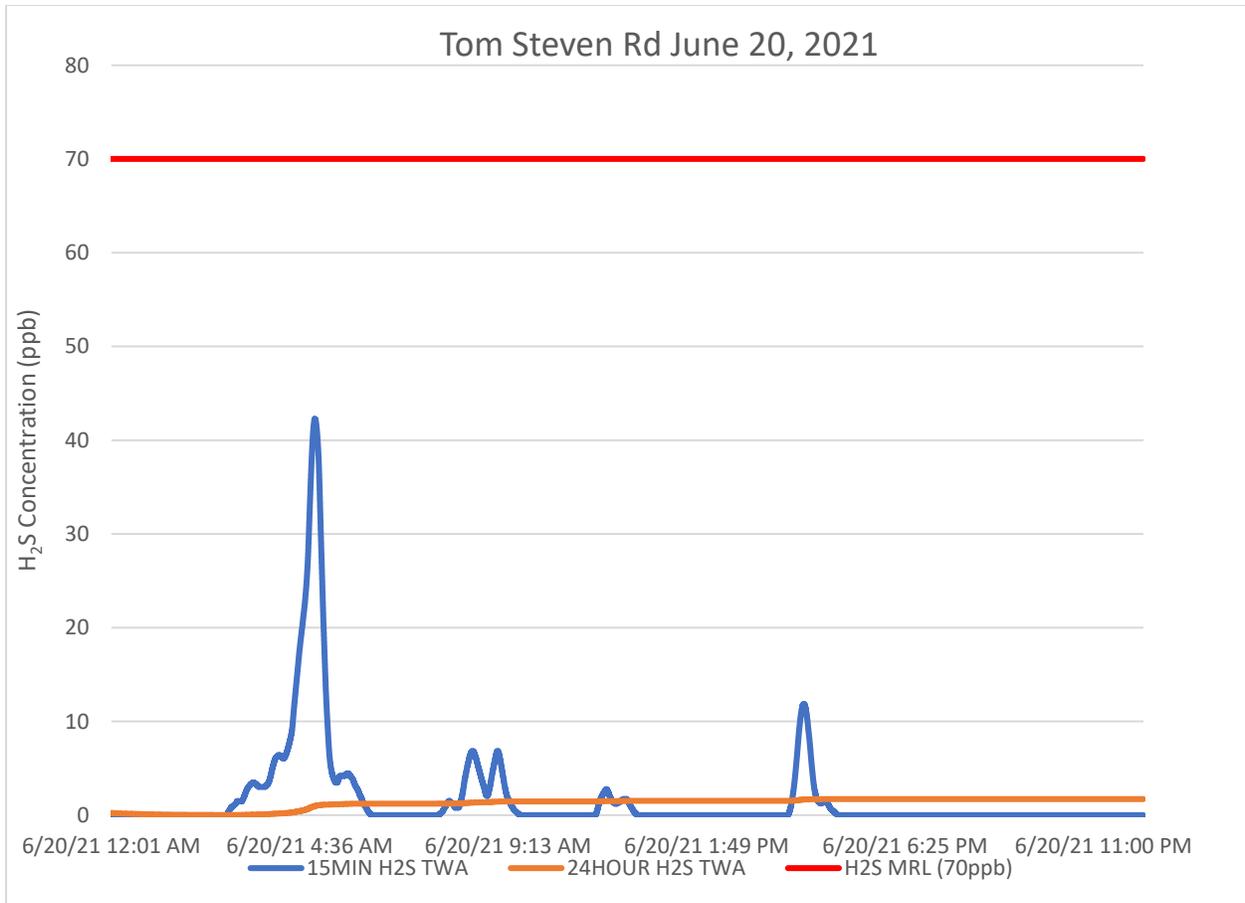
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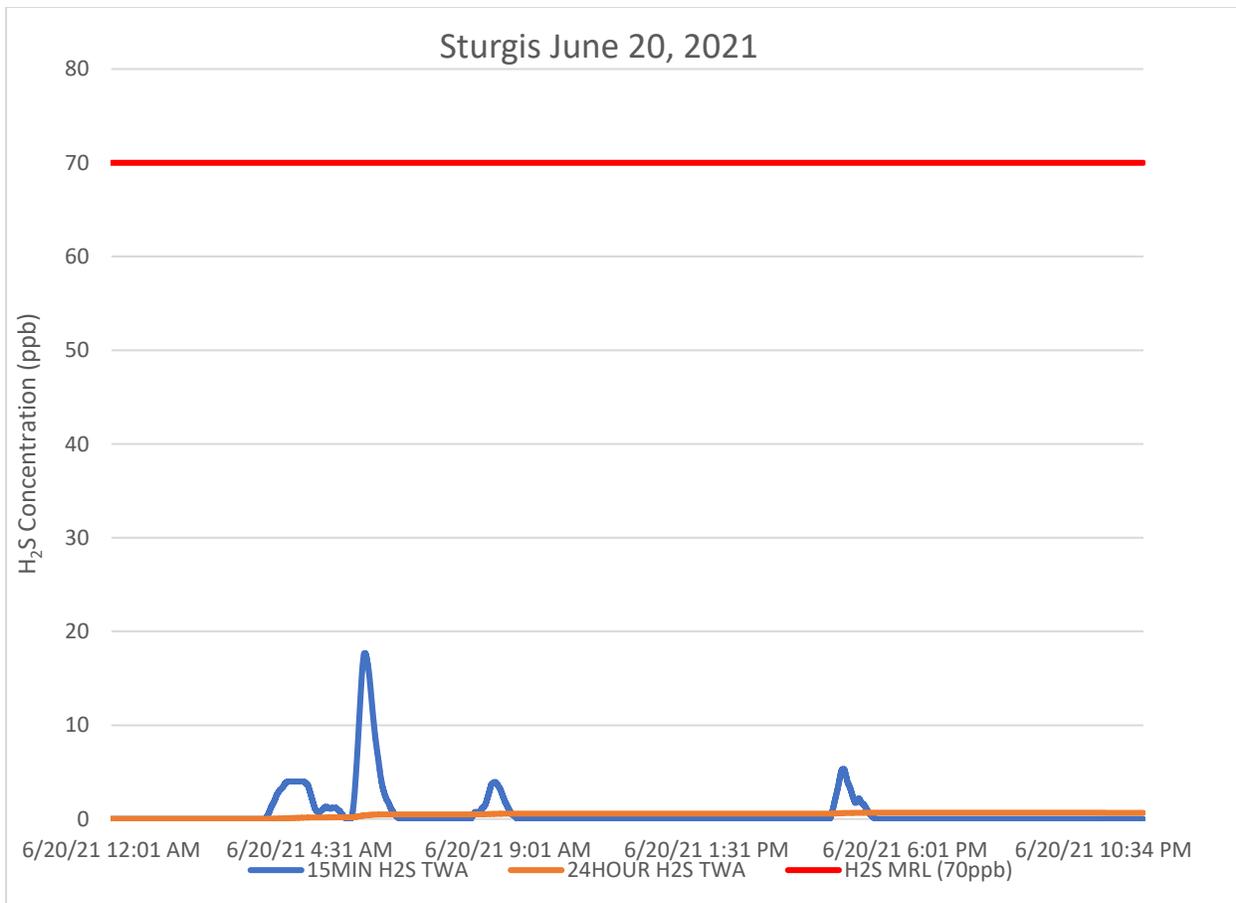
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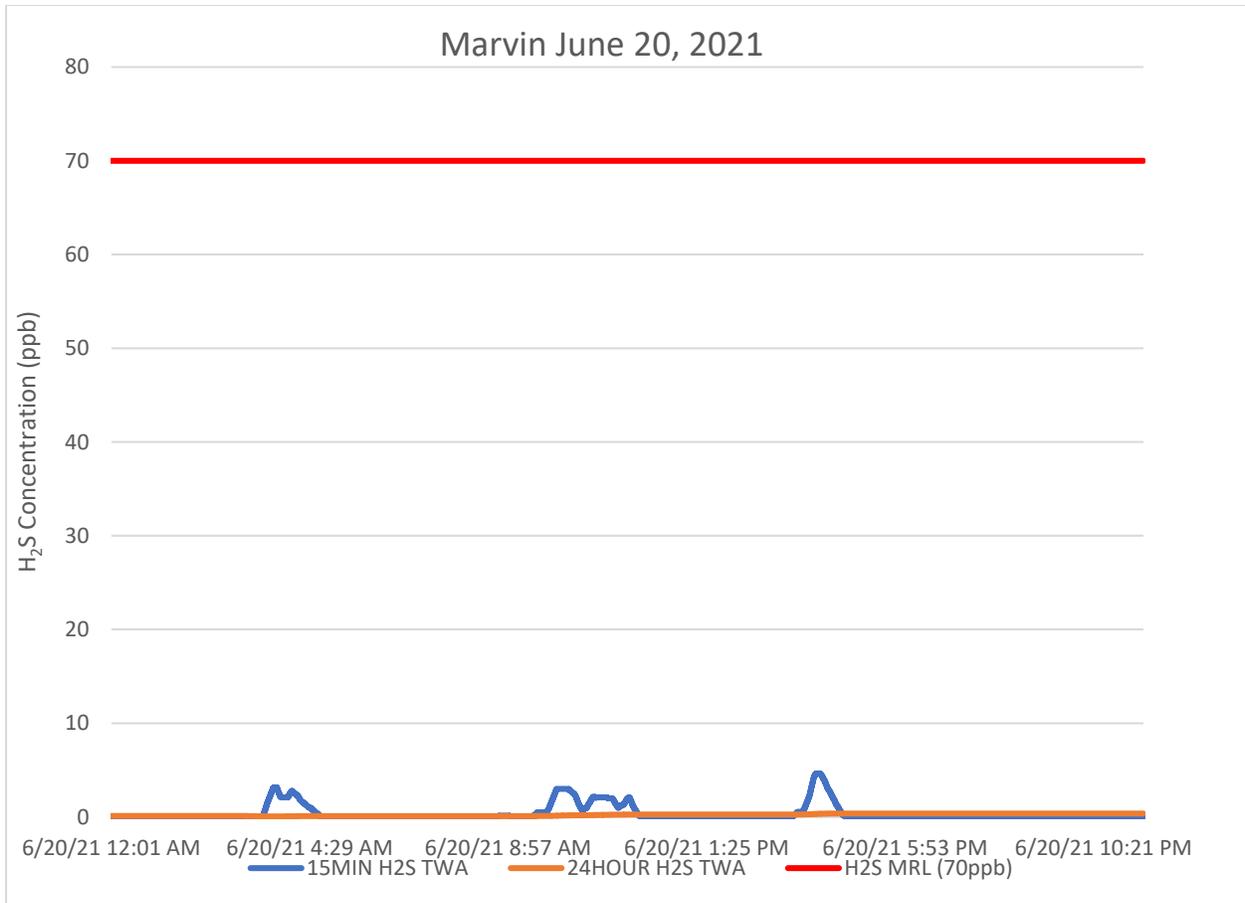
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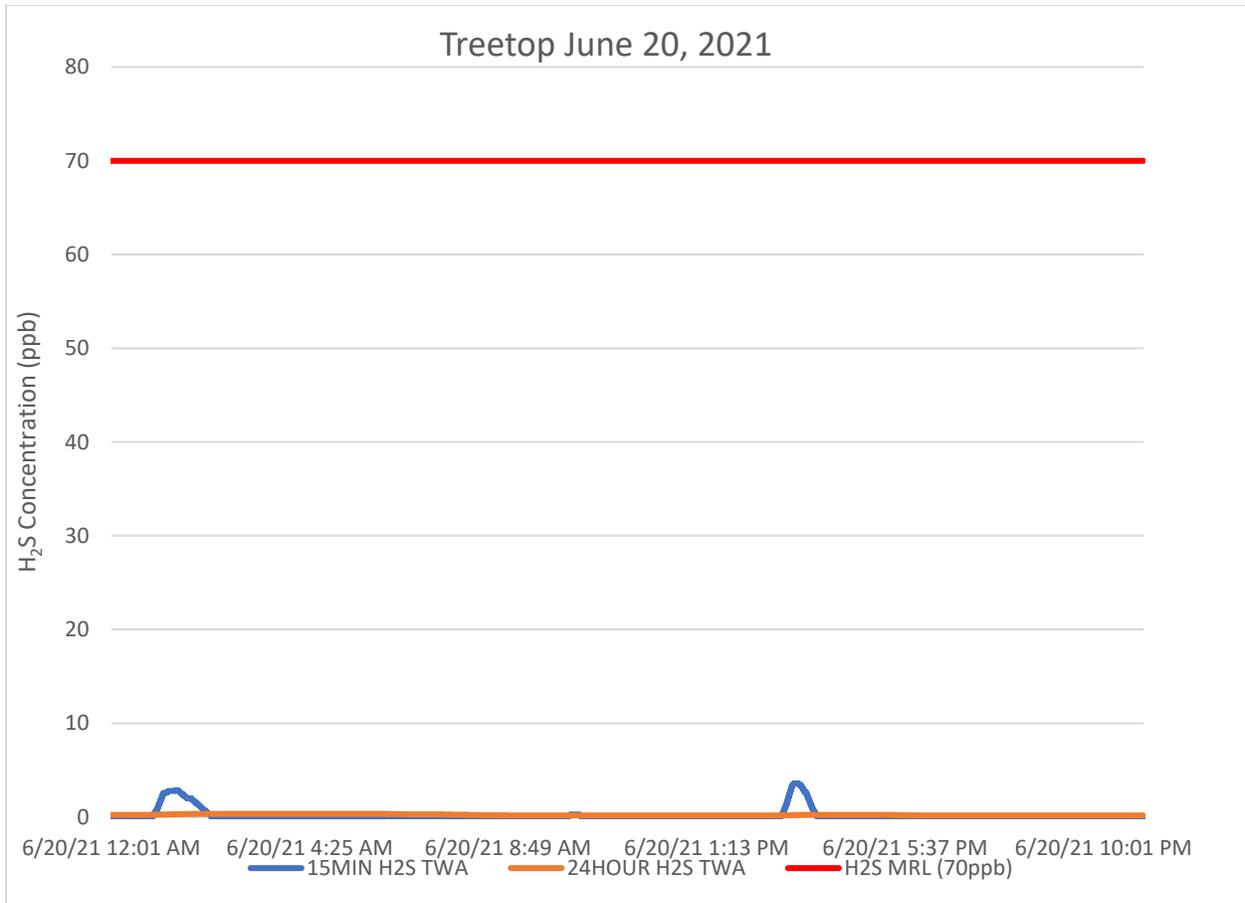
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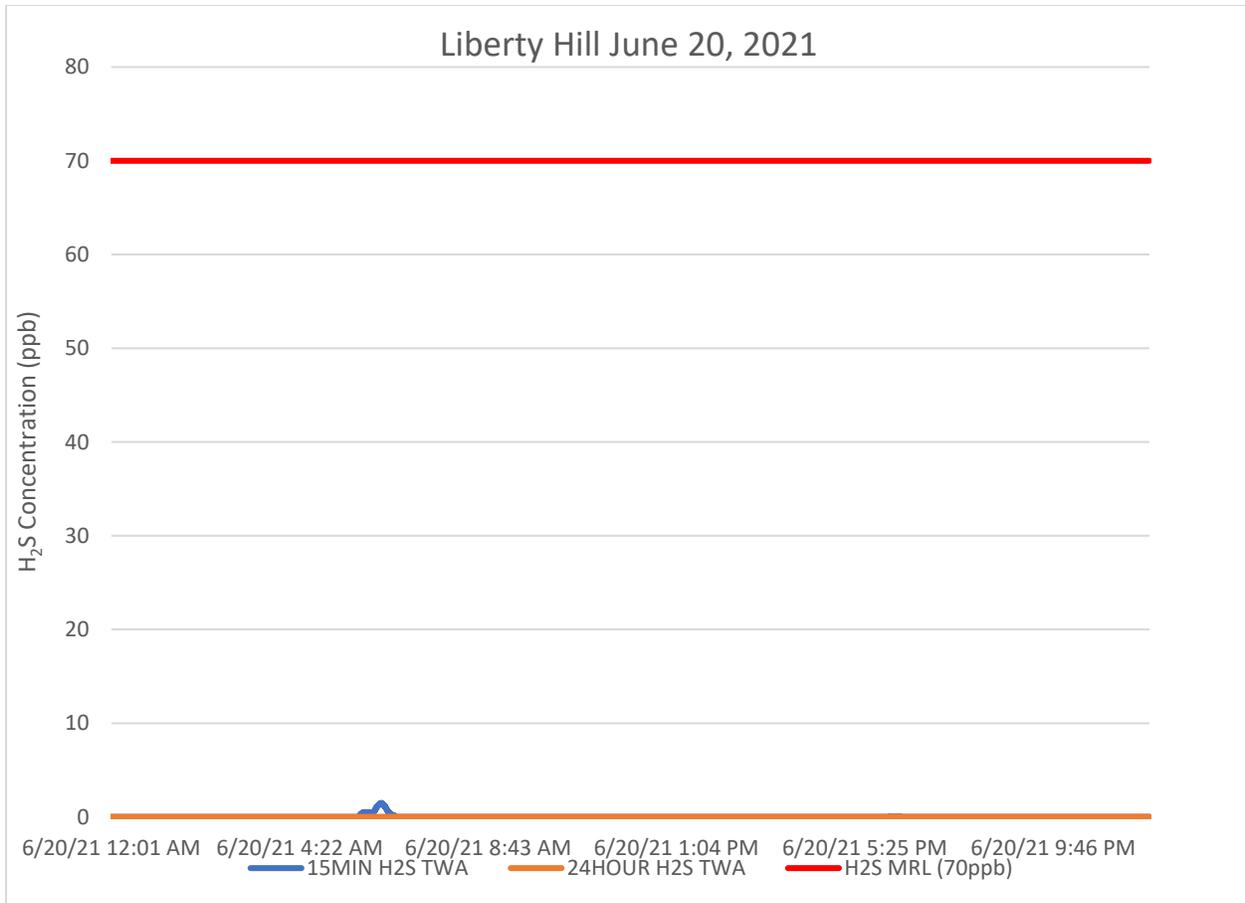
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