

Second Quarter 2023 Community Air Monitoring Report, Chiquita Canyon Landfill

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, California 91384

SCS ENGINEERS

01204123.19 Task 7 | August 14, 2023

3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806
562-426-9544

Table of Contents

Section	Page
1.0 Chiquita Canyon Air Monitoring Summary	1
1.1 Monitoring Locations.....	1
1.2 Continuous Monitoring.....	1
1.3 Discrete Sampling	2
2.0 Quarterly Air Monitoring Results	3
2.1 Continuous Monitoring Results	3
2.2 Discrete Sampling Results.....	4
3.0 SCS CAMP recommendations.....	4

Tables

Table 1.	Summary of Air Quality Standards for Selected Air Pollutants.....	2
Table 2.	SCAQMD Rule 1150.1 Toxic Air Contaminant List.....	3


Figures

Figure 1	Chiquita Canyon CAMP Map of Air Monitoring Stations
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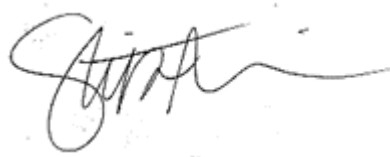
Appendices

Appendix A	Second Quarter 2023 Community Air Monitoring Station Continuous Monitoring Data Exceedances
Appendix B	Second Quarter 2023 Community Air Monitoring Station Continuous Monitoring Data (1 Hour Averages)
Appendix C	Second Quarter 2023 Community Air Monitoring Station Air Sampling Thresholds
Appendix D	Second Quarter 2023 Community Air Monitoring Station Laboratory Results

This Second Quarter 2023 Community Air Monitoring Report for the Chiquita Canyon Landfill, located at 29201 Henry Mayo Drive, Castaic, California, was prepared and reviewed by the following:



Maxton Lam
Associate Professional
SCS ENGINEERS



Stipe Markotic
Associate Professional
SCS ENGINEERS



Raymond H. Huff, REPA
Project Director
SCS ENGINEERS

1.0 CHIQUITA CANYON AIR MONITORING SUMMARY

This Second Quarter 2023 Community Air Monitoring Report (Report) has been prepared by SCS Engineers (SCS) in collaboration with Chiquita Canyon Landfill (CCL or Site), the Los Angeles County Department of Public Health (DPH), and the Los Angeles County Department of Public Works (PW), in regard to implementation of the Community Air Monitoring Program (CAMP), dated 2019. The CAMP presents an overview of quarterly air monitoring reporting compiled from continuous air monitoring stations in the community surrounding the Site, and monthly discrete sampling at community air monitoring station locations during the reporting period.

The CAMP was prepared by SCS, in consultation with CCL, DPH and PW, in accordance with the 2019 Community Air Monitoring Plan (CAM Plan), which was prepared in order to identify locations, parameters, and procedures for implementation of continuous air monitoring in the community surrounding the Site. The CAMP was designed to incorporate the requirements of Condition 68 of CCL's Conditional Use Permit (CUP) issued by the County of Los Angeles (County).

As of October 2022, the CAMP is comprised of a network of twelve air monitoring stations (MS or Stations) with seven stations located throughout the community surrounding the Site (MS-06 through MS-12) and five stations located on-site (MS-01 through MS-05), around the Site perimeter (the Site perimeter air monitoring stations serve as a reference for any off-site exceedances that may be detected). The air monitoring stations continuously monitor particulate matter with an aerodynamic diameter of ten (10) micrometers or less (PM₁₀), particulate matter with an aerodynamic diameter of 2.5 micrometers or less (PM_{2.5}), and hydrogen sulfide (H₂S); as well as wind direction and wind speed. The CAMP was fully implemented in September 2022.

The purpose of this report is to comply with the quarterly reporting requirements outlined in the CAM Plan and Condition 68 of the CUP. This report includes the following components:

- DPH data evaluation of monthly reports and/or quarterly analysis and evaluation of potential health and safety impacts on nearby residents, schools, and centers of employment
- SCS determination of any exceedances of the applicable reporting thresholds
- SCS evaluation and recommendations for Program implementation

This section outlines the monitoring thresholds and provides additional detail for the analyses conducted during the reporting period.

1.1 MONITORING LOCATIONS

A map showing the location of the monitoring stations is included as **Figure 1**. As shown on **Figure 1**, MS-01 through MS-05 are located around the perimeter of the Site. MS-06 through MS-12 are located in the community surrounding the Site, and are the subject of this report.

1.2 CONTINUOUS MONITORING

Table 1 summarizes the air quality exposure levels or standards that are used as a basis for analyzing the continuous air monitoring data at the community stations, MS-06 through MS-12.

The recommended *reporting analysis thresholds* for each of the continuously monitored air pollutants are highlighted in **bold text** in **Table 1**. The air monitoring stations that are deployed around the Site and in the community have detection limits that are well below the recommended

notification levels (i.e., they can detect ambient concentration levels that are much lower than the threshold levels recommended below). Short-term fluctuations in the ambient concentration of the monitored air pollutants around the Site and in the community are expected and will be reflected in the data.

Table 1. Summary of Air Quality Standards for Selected Air Pollutants

Air Quality Standard		PM _{2.5}	PM ₁₀	H ₂ S
CAAQS	1-Hour Average	--	--	0.03 ppm
	24-Hour Average	--	50 µg/m ³	--
FEIR	24-Hour Average	2.5 µg/m³	2.5 µg/m³	--
SCAQMD	2-Hour Average	25 µg/m³		--

Bold Text – Reporting Threshold

It should be noted that the reporting analysis thresholds are limited to the off-site monitoring stations. This means that if the thresholds are triggered on any off-site monitoring station (MS-06 through MS-12), additional analysis will be required, including review of data collected at the on-site monitoring stations (MS-01 through MS-05) during the exceedance event.

The continuous monitoring data for the entire quarter is formatted into the time increments that match the reporting analysis thresholds listed in the table above, as is presented in Appendix A. Within Appendix A, please refer to **Appendix A, Table A-1** for the H₂S 1-hour exceedances, **Table A-2** for 24-hour PM_{2.5} and PM₁₀ exceedances, and **Table A-3** for 2-hour PM_{2.5} and PM₁₀ exceedances.

1.3 DISCRETE SAMPLING

On a monthly basis, a total of five air samples are collected at community monitoring stations. Three samples are collected in the community surrounding the Site, with two samples collected from either side of the landfill generally in line with the community monitor sampling locations for each month. The overall intent is to cover all monitoring stations within the surrounding community every quarter for the duration of the CAMP.

To achieve this goal, SCS has implemented the following monthly sampling rotation with three community monitoring locations grouped together with two landfill monitoring locations in line from either side of the landfill:

- Rotation 1:** Samples collected from northwest of the Landfill (MS-07, MS-08, and MS-12) with in line Landfill samples located at MS-04 and MS-03.
- Rotation 2:** Samples collected from northeast of the Landfill (MS-06, MS-09, and MS-10) with in line Landfill samples located at MS-01 and MS-02.
- Rotation 3:** Samples collected from northwest and southeast of the Landfill (MS-08, MS-11, and MS-12) with in line Landfill samples located at MS-04 and MS-05.

Samples are collected and analyzed for landfill gas (LFG) components listed in Table 1 of SCAQMD Rule 1150.1, the SCAQMD rule for monitoring emissions from landfills. Those chemicals are found in Table 2 below.

Table 2. SCAQMD Rule 1150.1 Toxic Air Contaminant List

SCAQMD Rule 1150.1 Table 1 Constituents			
Benzene	1,1-Dichloroethane	Tetrachloroethylene	Trichloromethane
Benzyl chloride	1,2-Dichloroethane	Tetrachloromethane	Vinyl Chloride
Chlorobenzene	1,1-Dichloroethene	Toluene	Xylene
1,2-Dibromoethane	Dichloromethane	1,1,1-Trichloroethane	
Dichlorobenzene	Hydrogen Sulfide	Trichloroethylene	

For discrete sampling, reporting analysis thresholds chosen by DPH are the California Office of Health Hazard Assessment (OEHHA) Reference Exposure Levels (RELs) for Acute Hazard Index Target Organ Systems (Table 6.1 from the February 2015 Air Toxics Hot Spots Program Guidance Manual). By definition, an acute REL is an exposure that is not likely to cause adverse health effects in a human population, including sensitive subgroups, exposed to that concentration (in units of micrograms per cubic meter or $\mu\text{g}/\text{m}^3$) for the specified exposure duration on an intermittent basis.

2.0 QUARTERLY AIR MONITORING RESULTS

This section discusses the continuous monitoring and discrete sampling results for the reporting period.

2.1 CONTINUOUS MONITORING RESULTS

DPH has access to all continuous monitoring data recorded from the off-site monitors, which is reviewed routinely and on an as-needed basis if recorded values exceed the reporting thresholds in Table 1. If DPH observes reportable exceedances, DPH may request the on-site monitoring data (including wind direction and wind speed data), for the purposes of DPH's evaluations of reported exceedances. Upon request, SCS will provide DPH with the continuous monitoring data for all on-site monitors, for the time period of the exceedance plus one time increment prior to, and after, the exceedance start time. Any recommendations regarding the health and safety impact on nearby residents, schools and centers of employment or evaluation(s) of potential sources of air pollutants impacting ambient air quality made by DPH are included in this report.

During the reporting period, there were 74 exceedance events at the off-site stations, where station(s) exceeded one or more reporting thresholds. Please note that one or more monitors can have an exceedance detection during a single exceedance event, based on the stations' proximity to other stations, wind direction, and wind speed. A summary of each exceedance that occurred at the off-site monitoring stations during the reporting period can be found in Appendix A.

SCS has provided DPH with corresponding on-site data for periods where the off-site monitoring stations recorded an exceedance of the thresholds listed in Table 1 above. The data was shared in emails sent on May 15, June 15, and July 14, 2023. As of the date of this report, SCS have not received any comments from DPH regarding the on-site continuous monitoring data.

Please note, due to the size of the full dataset and in order to reduce the amount of physical pages of this quarterly report, a link to the 1-hour data for the continuous monitoring at the off-site locations can be found in **Appendix B**. Since the continuous monitoring data presented in this report includes only a summary of exceedance events, the complete 1-hour data set is included as a separate, linked attachment.

2.2 DISCRETE SAMPLING RESULTS

During the Second Quarter 2023, monthly samples were taken in April, May, and June 2023. A full description of the detected constituents along with their concentrations was included in the monthly reports which were submitted to DPH, PW, and the Site on May 15, June 15, and July 14, 2023 respectively. During the reporting period, there were zero (0) community monitoring stations that had exceedances of discrete sampling reporting thresholds, per **Appendix C, Table C-1**.

As of the date of this report, SCS have not received any comments from DPH regarding the off-site discrete sampling data.

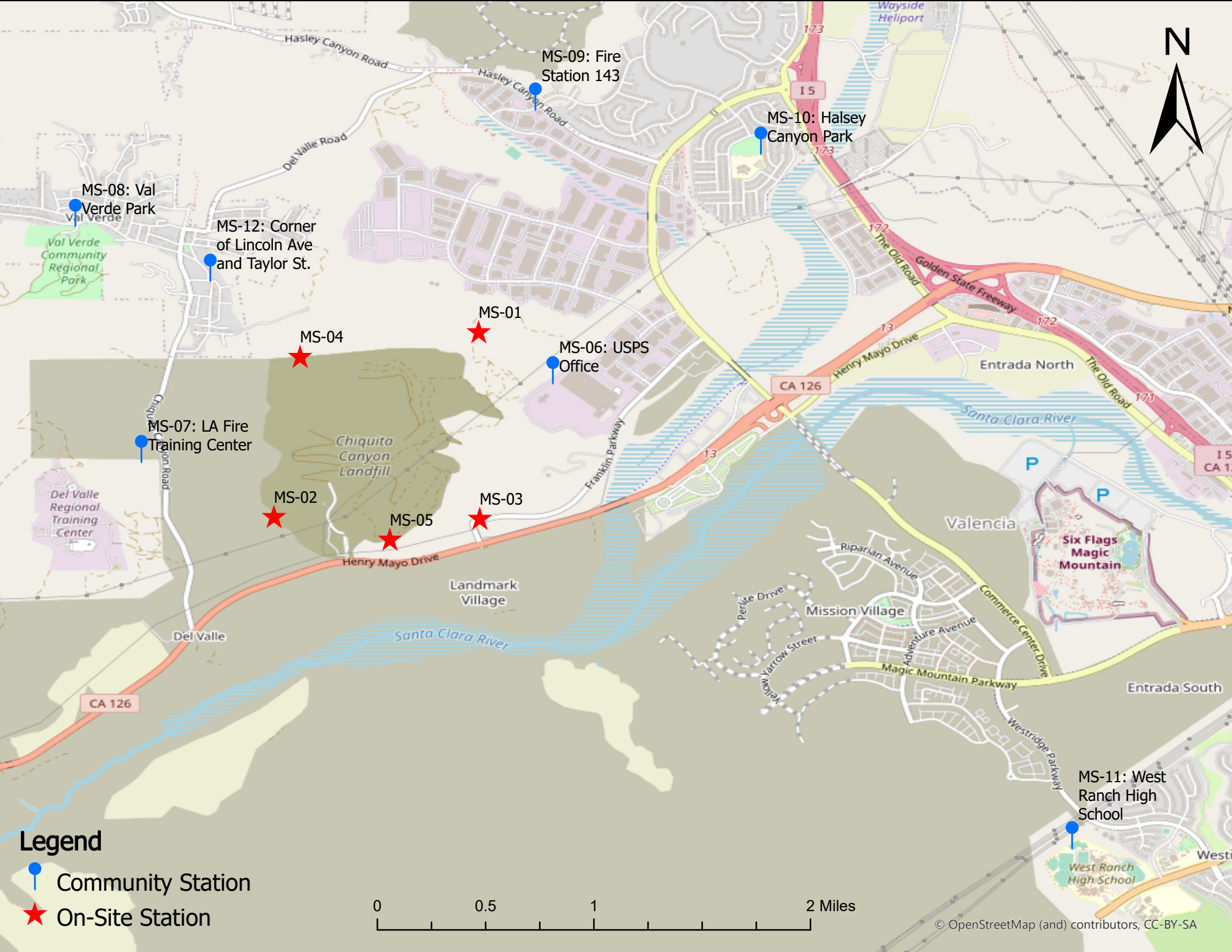
The results of the monthly discrete sampling events conducted in April, May, and June are found in **Appendix C. Appendix C, Table C-1** includes the discrete sampling reporting thresholds. Based on the reporting thresholds outlined in Table C-1, there were no exceedances recorded in the second quarter sampling events. The complete laboratory analytical reports are also included within **Appendix C**.

The laboratory results were analyzed in conjunction with the continuous air monitoring data collected during the sampling event. The 1-hour continuous monitoring data collected at each monitoring station that was used as part of the discrete sampling analysis is located in **Appendix B**. Please note that only the off-site discrete sampling events and the associated 1-hour monitoring data are included in this quarterly report.

3.0 SCS CAMP RECOMMENDATIONS

This section describes any recommendations by SCS to the CAMP to improve the overall efficiency of the air monitoring program. During the Second Quarter, there were no new recommendations for the program. All quarterly recommendations/observations will be compiled and addressed in the annual Community Air Monitoring Report.


Figure 1
Chiquita Canyon CAMP Map of Monitoring Stations



Legend

-  Community Station
-  On-Site Station





Appendix A
Second Quarter 2023 Community Air Monitoring Station
Continuous Monitoring Data Exceedances




Table A-1
1-Hour Average H₂S Community Monitoring Station Data

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	1	4/1/2023 0:00	0.077	1.45	249.3	29.27	44.1	91.5
MS-11	1	4/1/2023 0:00	0.054	2.21	111.1	29.02	47.9	85.2
MS-12	1	4/1/2023 0:00	0.049	2.11	353.2	29.34	45.2	91.4
MS-08	1	4/1/2023 1:00	0.048	1.87	254	29.26	42.3	92.9
MS-11	1	4/1/2023 1:00	0.031	1.25	189.7	29.01	46.1	87.1
MS-12	1	4/1/2023 1:00	0.034	2.13	349.4	29.33	43.7	92.4
MS-08	1	4/1/2023 2:00	0.031	1.77	252.4	29.25	41.3	93.6
MS-11	1	4/1/2023 2:00	0.012	1.51	148.3	29	45.5	87
MS-12	1	4/1/2023 2:00	0.019	2.57	348.3	29.32	42.5	92.8
MS-08	1	4/1/2023 3:00	0	1.97	264.2	29.24	39.6	94.4
MS-08	2	4/1/2023 18:00	0	2.86	263.5	29.19	62.7	40
MS-12	2	4/1/2023 18:00	0	1.84	284.8	29.25	61.8	43.3
MS-08	2	4/1/2023 19:00	0.057	2.12	259.3	29.2	57.5	57.2
MS-11	2	4/1/2023 19:00	0	4.22	249.1	28.95	57.5	41.3
MS-12	2	4/1/2023 19:00	0.044	1.59	253.9	29.26	57.5	59.8
MS-08	2	4/1/2023 20:00	0.094	1.61	244.6	29.21	52.9	69
MS-11	2	4/1/2023 20:00	0.031	2.81	239.1	28.96	53.7	63.8
MS-12	2	4/1/2023 20:00	0.065	1.27	21.9	29.27	52	74
MS-08	2	4/1/2023 21:00	0.084	2.07	256.9	29.23	48.1	78.7
MS-11	2	4/1/2023 21:00	0.043	1.71	199.8	28.98	50.4	72
MS-12	2	4/1/2023 21:00	0.056	3.26	6.8	29.29	49.5	77.3
MS-08	2	4/1/2023 22:00	0.061	2.17	258.5	29.23	45.6	82.1
MS-11	2	4/1/2023 22:00	0.004	1.55	184	28.98	49	61.6
MS-12	2	4/1/2023 22:00	0.045	2.32	353.1	29.29	46.9	81.2
MS-08	2	4/1/2023 23:00	0.054	2.35	257	29.23	43.8	86.2
MS-12	2	4/1/2023 23:00	0.041	3.18	351.9	29.29	45	85
MS-08	2	4/2/2023 0:00	0.046	2.25	254.9	29.22	42.4	88.3
MS-12	2	4/2/2023 0:00	0.032	2.75	344.4	29.29	43.4	87.5
MS-08	2	4/2/2023 1:00	0.033	1.89	250	29.22	41.3	89.9
MS-12	2	4/2/2023 1:00	0.024	2.96	353.6	29.29	42.7	89
MS-08	2	4/2/2023 2:00	0.018	2.19	256.6	29.22	40.2	91.4
MS-08	3	4/2/2023 7:00	0.005	1.61	249.6	29.21	39	93.1
MS-08	3	4/2/2023 8:00	0.041	1.19	274.1	29.22	47	79.5
MS-11	3	4/2/2023 8:00	0.003	2.63	56	28.97	49.8	67.3
MS-12	3	4/2/2023 8:00	0.029	1.44	95	29.28	47	81.3
MS-08	3	4/2/2023 9:00	0.031	2.27	56	29.22	54	61.5
MS-11	3	4/2/2023 9:00	0.033	2.51	1	28.97	55.9	59.6
MS-12	3	4/2/2023 9:00	0.032	2.07	165.1	29.28	54.3	64.7
MS-08	3	4/2/2023 10:00	0.043	2.37	181.5	29.21	59.7	51.2
MS-11	3	4/2/2023 10:00	0.036	3.05	1.9	28.96	60.8	50.6
MS-12	3	4/2/2023 10:00	0.007	3.63	168.6	29.27	58.4	52.7
MS-08	3	4/2/2023 11:00	0.01	3.47	268.4	29.2	62.9	43.7
MS-11	3	4/2/2023 11:00	0.032	3.99	342	28.95	62.7	47.1
MS-08	3	4/2/2023 12:00	0.068	3.69	251.2	29.17	64.3	47.6
MS-11	3	4/2/2023 12:00	0.083	4.22	318.9	28.92	64.6	49.6
MS-12	3	4/2/2023 12:00	0.029	4.77	177.3	29.23	64.8	46.6

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	3	4/2/2023 13:00	0.125	4.12	256.5	29.15	64.8	50.8
MS-11	3	4/2/2023 13:00	0.114	5.12	291.5	28.9	65.6	50.6
MS-12	3	4/2/2023 13:00	0.07	4.88	190.8	29.21	65.9	50.5
MS-08	3	4/2/2023 14:00	0.151	4.34	261.7	29.13	64.6	54.6
MS-11	3	4/2/2023 14:00	0.152	6.18	266.2	28.87	64.9	55.5
MS-12	3	4/2/2023 14:00	0.086	4.87	228.1	29.19	66	53.2
MS-08	3	4/2/2023 15:00	0.169	4.77	259.8	29.11	63.6	58.5
MS-11	3	4/2/2023 15:00	0.154	6.45	270	28.86	64	58.9
MS-12	3	4/2/2023 15:00	0.094	4.19	232.6	29.17	65.4	56.2
MS-08	3	4/2/2023 16:00	0.167	4.66	273.4	29.1	61.6	62.7
MS-11	3	4/2/2023 16:00	0.146	6.18	265	28.85	62.1	61.5
MS-12	3	4/2/2023 16:00	0.093	4.09	229.9	29.16	62.9	61.1
MS-08	3	4/2/2023 17:00	0.156	4.07	262.4	29.1	59.9	64.7
MS-11	3	4/2/2023 17:00	0.129	5.51	257.9	28.84	60.4	63
MS-12	3	4/2/2023 17:00	0.089	3.3	235.2	29.16	60.1	65.6
MS-08	3	4/2/2023 18:00	0.144	3.41	270.2	29.09	57.1	70.3
MS-11	3	4/2/2023 18:00	0.114	4.24	260.4	28.83	56.9	68.6
MS-12	3	4/2/2023 18:00	0.083	2.34	288	29.15	57.6	70.7
MS-08	3	4/2/2023 19:00	0.145	3.17	249.1	29.08	55.7	75
MS-11	3	4/2/2023 19:00	0.119	3.81	252.6	28.83	54.5	76.9
MS-12	3	4/2/2023 19:00	0.083	2.13	201.7	29.14	56.3	74.9
MS-08	3	4/2/2023 20:00	0.153	2.43	236.4	29.09	54.7	79.9
MS-11	3	4/2/2023 20:00	0.126	4.38	241.9	28.83	53.7	82.1
MS-12	3	4/2/2023 20:00	0.085	2.93	181	29.15	55.2	80.1
MS-08	3	4/2/2023 21:00	0.147	2.18	266.6	29.09	53.5	83
MS-11	3	4/2/2023 21:00	0.121	2.83	245.9	28.84	52.6	85.5
MS-12	3	4/2/2023 21:00	0.079	2.08	190.4	29.15	54.3	82.2
MS-08	3	4/2/2023 22:00	0.137	1.65	235.5	29.09	53.1	84.3
MS-11	3	4/2/2023 22:00	0.113	3	254.6	28.83	51.4	88.5
MS-12	3	4/2/2023 22:00	0.076	1.35	196.5	29.15	53.9	83.4
MS-08	3	4/2/2023 23:00	0.129	1.66	261.3	29.07	52.5	85.6
MS-11	3	4/2/2023 23:00	0.101	3.28	232.1	28.82	50.3	91.4
MS-12	3	4/2/2023 23:00	0.072	1.4	198	29.13	53.2	85.6
MS-08	3	4/3/2023 0:00	0.113	2.07	263.8	29.06	51.9	85.5
MS-11	3	4/3/2023 0:00	0.087	3.43	216.9	28.81	50.3	90.1
MS-12	3	4/3/2023 0:00	0.065	1.03	232.9	29.12	52.6	86.2
MS-08	3	4/3/2023 1:00	0.098	1.94	249.6	29.06	51.7	84.4
MS-11	3	4/3/2023 1:00	0.071	3.2	208.5	28.81	50.1	89.1
MS-12	3	4/3/2023 1:00	0.061	1.48	189.2	29.12	52.1	87.2
MS-08	3	4/3/2023 2:00	0.087	2.1	256.5	29.04	51.1	85.3
MS-11	3	4/3/2023 2:00	0.051	4.85	166.8	28.79	49.9	86.9
MS-12	3	4/3/2023 2:00	0.05	1.99	188.6	29.1	51.6	86.3
MS-08	3	4/3/2023 3:00	0.07	2.52	254.7	29.03	50.6	84
MS-11	3	4/3/2023 3:00	0.045	1.04	298.2	28.77	49.6	87.9
MS-12	3	4/3/2023 3:00	0.038	1.72	248.6	29.08	51.4	83.9
MS-08	3	4/3/2023 4:00	0.045	2.01	267.9	29.01	50.3	82.1

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-11	3	4/3/2023 4:00	0.036	2.18	350.8	28.76	49.6	87.7
MS-12	3	4/3/2023 4:00	0.025	1.28	304.6	29.07	51.1	81.7
MS-08	3	4/3/2023 5:00	0.037	2.25	254.2	29.01	50	82.7
MS-11	3	4/3/2023 5:00	0.01	3.34	354.2	28.76	49.3	75.9
MS-08	3	4/3/2023 6:00	0.054	1.72	224.9	29.01	49.5	86.2
MS-08	3	4/3/2023 7:00	0.021	2.1	19.4	29.02	48.7	71.5
MS-06	4	4/4/2023 15:00	0.005	6.47	262.3	29.34	57.8	34
MS-08	4	4/4/2023 15:00	0.024	4.09	254.3	29.2	56.7	37.7
MS-11	4	4/4/2023 15:00	0.002	5.89	340	28.94	56.7	32.8
MS-12	4	4/4/2023 15:00	0.011	4.59	184.8	29.26	58.2	36.5
MS-06	4	4/4/2023 16:00	0.031	7.34	227.8	29.34	57.1	40.6
MS-08	4	4/4/2023 16:00	0.083	3.79	263.6	29.19	56.7	41.4
MS-11	4	4/4/2023 16:00	0.09	5.17	270.8	28.94	56	43.5
MS-12	4	4/4/2023 16:00	0.051	3.49	257.8	29.26	57.7	40.4
MS-06	4	4/4/2023 17:00	0.028	8.38	227.8	29.34	55.5	41.5
MS-08	4	4/4/2023 17:00	0.07	3.48	249.9	29.2	55.2	42.1
MS-11	4	4/4/2023 17:00	0.082	5.5	258.7	28.94	54.1	44.9
MS-12	4	4/4/2023 17:00	0.043	3.31	227.7	29.26	55.2	43
MS-06	4	4/4/2023 18:00	0.047	5.1	239.3	29.35	53.2	48.1
MS-08	4	4/4/2023 18:00	0.099	2.71	242.7	29.2	52.3	48.6
MS-11	4	4/4/2023 18:00	0.099	3.75	266.4	28.95	51	52
MS-12	4	4/4/2023 18:00	0.079	1.82	253.2	29.26	52.7	50
MS-06	4	4/4/2023 19:00	0.066	2.82	302.6	29.36	49.7	58.1
MS-08	4	4/4/2023 19:00	0.162	1.99	229.2	29.21	48.2	61
MS-11	4	4/4/2023 19:00	0.104	2.71	315	28.96	48.5	54.2
MS-12	4	4/4/2023 19:00	0.144	1.21	21.2	29.28	48.6	64
MS-06	4	4/4/2023 20:00	0.009	4.04	85	29.38	50.6	37.9
MS-08	4	4/4/2023 20:00	0.183	2.4	243.4	29.23	44.8	67.9
MS-11	4	4/4/2023 20:00	0	5.53	346	28.98	49	36.6
MS-12	4	4/4/2023 20:00	0.118	2.7	341.7	29.29	46.8	61.4
MS-08	4	4/4/2023 21:00	0	3.48	336.9	29.24	48.7	39.3
MS-12	4	4/4/2023 21:00	0	4.85	343	29.3	49.2	40
MS-08	5	4/5/2023 3:00	0.025	1.62	268.1	29.22	39.8	63.4
MS-08	5	4/5/2023 4:00	0.037	1.12	284.8	29.22	39.2	64.5
MS-08	5	4/5/2023 5:00	0.031	1.37	263.1	29.22	39.4	63.6
MS-08	5	4/5/2023 6:00	0.04	1.42	259.2	29.23	36.7	71.5
MS-12	5	4/5/2023 6:00	0.019	1.83	352.6	29.3	38.7	65.9
MS-08	5	4/5/2023 7:00	0.07	1.43	248.2	29.25	37.9	73.4
MS-12	5	4/5/2023 7:00	0.035	2.26	0.7	29.31	39.4	67
MS-08	5	4/5/2023 8:00	0.021	2.45	76.6	29.27	48.3	46.7
MS-12	5	4/5/2023 8:00	0.014	3	298.1	29.33	49	45.2
MS-11	6	4/5/2023 17:00	0	5.61	355.3	28.92	64.6	19.2
MS-06	6	4/5/2023 18:00	0.005	5.36	22	29.31	63.6	23.1
MS-08	6	4/5/2023 18:00	0.007	3.11	42.2	29.17	63.1	23.2
MS-10	6	4/5/2023 18:00	0	1.85	18.8	29.38	63.5	21.2
MS-11	6	4/5/2023 18:00	0.054	4.67	299.6	28.92	60.7	30

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	6	4/5/2023 18:00	0.001	3.56	321.4	29.23	63.2	23
MS-06	6	4/5/2023 19:00	0.079	3.91	270	29.33	56	44.4
MS-08	6	4/5/2023 19:00	0.116	1.96	266.9	29.18	56.3	41
MS-10	6	4/5/2023 19:00	0.046	1.88	250.2	29.39	58.1	38.7
MS-11	6	4/5/2023 19:00	0.163	4.06	253.9	28.93	54.7	45.5
MS-12	6	4/5/2023 19:00	0.154	1.47	82.7	29.24	54.6	49
MS-06	6	4/5/2023 20:00	0.092	3.14	298.5	29.34	53	51.1
MS-08	6	4/5/2023 20:00	0.166	2.45	230.1	29.2	52.7	48.7
MS-09	6	4/5/2023 20:00	0.011	2.96	35.9	29.21	56.4	38
MS-10	6	4/5/2023 20:00	0.075	1.82	195.3	29.41	54.8	46.3
MS-11	6	4/5/2023 20:00	0.166	3.56	260.4	28.95	53	47.8
MS-12	6	4/5/2023 20:00	0.193	1.35	68.4	29.26	50.2	60
MS-06	6	4/5/2023 21:00	0.104	2.62	272.3	29.36	49.4	59.2
MS-08	6	4/5/2023 21:00	0.201	1.73	238.6	29.21	47.7	61.4
MS-09	6	4/5/2023 21:00	0.04	1.35	13.8	29.23	51	52.7
MS-10	6	4/5/2023 21:00	0.088	1.02	317.6	29.42	51.4	53.7
MS-11	6	4/5/2023 21:00	0.126	2.78	320	28.96	52.7	46
MS-12	6	4/5/2023 21:00	0.208	1.64	346.5	29.27	45.8	70.6
MS-06	6	4/5/2023 22:00	0.103	2.37	259.8	29.37	46.7	64.1
MS-08	6	4/5/2023 22:00	0.194	2.26	259.7	29.22	44.4	67.4
MS-09	6	4/5/2023 22:00	0.035	2.49	351.6	29.24	48.8	54.5
MS-10	6	4/5/2023 22:00	0.07	1.05	355.6	29.44	51.2	50.4
MS-11	6	4/5/2023 22:00	0.146	1.3	242.5	28.97	49.2	51.7
MS-12	6	4/5/2023 22:00	0.186	2.44	345.6	29.28	44.6	70.6
MS-06	6	4/5/2023 23:00	0.099	2.3	263.3	29.38	45.6	65.9
MS-08	6	4/5/2023 23:00	0.185	1.97	254.1	29.23	41.6	73.2
MS-09	6	4/5/2023 23:00	0.022	3.27	46	29.25	51.4	47.4
MS-10	6	4/5/2023 23:00	0.071	1.39	8.1	29.44	49	54.8
MS-11	6	4/5/2023 23:00	0.149	1.37	193	28.98	47.9	53.6
MS-12	6	4/5/2023 23:00	0.164	2.54	27.2	29.29	43.8	69.4
MS-06	6	4/6/2023 0:00	0.095	2.19	258.2	29.39	44.7	67
MS-08	6	4/6/2023 0:00	0.186	2.04	258.9	29.24	41.7	72.7
MS-09	6	4/6/2023 0:00	0.036	1.76	340.1	29.26	46.5	58.8
MS-10	6	4/6/2023 0:00	0.068	1	3.2	29.45	47.3	56.7
MS-11	6	4/6/2023 0:00	0.123	1.57	220.3	28.99	47.4	52.6
MS-12	6	4/6/2023 0:00	0.155	2.71	343.1	29.3	42.8	71.6
MS-06	6	4/6/2023 1:00	0.09	2.48	260.8	29.38	41.4	73
MS-08	6	4/6/2023 1:00	0.175	1.81	252.7	29.23	39	78.2
MS-09	6	4/6/2023 1:00	0.038	1.63	357.5	29.25	42.6	67
MS-10	6	4/6/2023 1:00	0.067	0.9	16	29.45	44.7	62.1
MS-11	6	4/6/2023 1:00	0.104	1.66	239	28.98	46.9	52
MS-12	6	4/6/2023 1:00	0.146	2.31	341.1	29.29	39.7	77.5
MS-06	6	4/6/2023 2:00	0.088	2.11	245.9	29.37	40.1	75.9
MS-08	6	4/6/2023 2:00	0.153	1.81	253.6	29.22	37.4	80.2
MS-09	6	4/6/2023 2:00	0.038	1.81	323.3	29.24	40.7	70.9
MS-10	6	4/6/2023 2:00	0.076	0.85	288.4	29.44	42.4	68.8

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-11	6	4/6/2023 2:00	0.072	2.26	237.9	28.97	46.4	50.4
MS-12	6	4/6/2023 2:00	0.127	2.55	341.4	29.28	37.7	81.3
MS-06	6	4/6/2023 3:00	0.078	1.9	265.5	29.36	39.2	77.3
MS-08	6	4/6/2023 3:00	0.133	1.72	262.7	29.21	36.5	81
MS-09	6	4/6/2023 3:00	0.034	1.31	322.4	29.23	39.2	72.9
MS-10	6	4/6/2023 3:00	0.071	0.92	282.9	29.43	40.6	72.1
MS-11	6	4/6/2023 3:00	0.046	2.25	235.3	28.96	46.1	48.2
MS-12	6	4/6/2023 3:00	0.113	2.48	339	29.27	36.8	82.2
MS-06	6	4/6/2023 4:00	0.069	2.16	269	29.36	38	78
MS-08	6	4/6/2023 4:00	0.114	1.77	260	29.21	36.1	80.5
MS-09	6	4/6/2023 4:00	0.03	1.54	0.6	29.23	37.3	75.9
MS-10	6	4/6/2023 4:00	0.061	1.4	252.6	29.43	39.8	71.9
MS-11	6	4/6/2023 4:00	0.01	1.6	236.2	28.96	45.6	45.9
MS-12	6	4/6/2023 4:00	0.09	2.54	337.1	29.27	35.6	82.8
MS-06	6	4/6/2023 5:00	0.058	1.99	254.8	29.37	36.5	79.4
MS-08	6	4/6/2023 5:00	0.1	1.79	249.8	29.22	34.4	83.5
MS-09	6	4/6/2023 5:00	0.027	1.69	355.6	29.24	35.9	78.7
MS-10	6	4/6/2023 5:00	0.051	0.87	257.8	29.44	38	75.2
MS-12	6	4/6/2023 5:00	0.079	3.35	349.9	29.28	35.5	82.7
MS-06	6	4/6/2023 6:00	0.048	2.23	261.3	29.38	35.7	81.1
MS-08	6	4/6/2023 6:00	0.078	2	255.7	29.23	33.7	83.7
MS-10	6	4/6/2023 6:00	0.049	0.73	299	29.45	36.2	80.2
MS-12	6	4/6/2023 6:00	0.065	3.24	350.6	29.29	35.4	81.5
MS-06	6	4/6/2023 7:00	0.061	1.81	245.9	29.39	39.4	76
MS-08	6	4/6/2023 7:00	0.091	1.72	248.4	29.24	35.9	81.6
MS-09	6	4/6/2023 7:00	0.022	1.4	51.6	29.26	37.8	74.4
MS-10	6	4/6/2023 7:00	0.063	0.9	256.5	29.46	39.2	76.7
MS-12	6	4/6/2023 7:00	0.061	3.08	348.1	29.3	37.4	77.9
MS-06	6	4/6/2023 8:00	0.041	1.88	100.1	29.39	48.4	54.2
MS-08	6	4/6/2023 8:00	0.117	1.5	253.4	29.24	47	59.4
MS-09	6	4/6/2023 8:00	0.031	2.36	161.8	29.25	47.9	55.4
MS-10	6	4/6/2023 8:00	0.057	1.8	211.5	29.45	49.2	53.3
MS-12	6	4/6/2023 8:00	0.083	1.65	25.9	29.3	49.1	57.4
MS-06	6	4/6/2023 9:00	0.002	8.32	38.6	29.38	58.7	26.7
MS-08	6	4/6/2023 9:00	0.003	4.67	55.4	29.24	59.6	24.5
MS-09	6	4/6/2023 9:00	0	7.44	32	29.25	59.5	23.2
MS-10	6	4/6/2023 9:00	0.006	2.74	14.7	29.44	61.2	25.8
MS-12	6	4/6/2023 9:00	0.007	6.64	320.2	29.29	59.9	25
MS-08	7	4/6/2023 17:00	0.012	3.2	277.3	29.12	70.5	20.1
MS-10	7	4/6/2023 17:00	0	1.85	12.7	29.31	72	16.3
MS-11	7	4/6/2023 17:00	0.02	6.06	318.5	28.87	68.6	21.1
MS-12	7	4/6/2023 17:00	0.006	3.29	256.2	29.17	69.7	20.8
MS-08	7	4/6/2023 18:00	0.055	3.51	271.5	29.12	64.3	30.3
MS-10	7	4/6/2023 18:00	0.034	5.83	235.1	29.32	65.5	29.2
MS-11	7	4/6/2023 18:00	0.108	5.06	253.3	28.87	62.7	32.2
MS-12	7	4/6/2023 18:00	0.051	2.8	193.6	29.18	64.1	31.5

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-06	7	4/6/2023 19:00	0.025	6.74	218.4	29.28	61	32.9
MS-08	7	4/6/2023 19:00	0.043	3.36	275.9	29.14	60.4	33.3
MS-10	7	4/6/2023 19:00	0.038	2.73	233.8	29.34	61.3	33
MS-11	7	4/6/2023 19:00	0.046	6.91	223.4	28.88	59.7	31.4
MS-12	7	4/6/2023 19:00	0.062	2.21	124.8	29.19	59.9	35.7
MS-06	7	4/6/2023 20:00	0.031	3.3	248.8	29.29	57.2	37.3
MS-08	7	4/6/2023 20:00	0.12	1.8	249.5	29.15	54.5	44.8
MS-09	7	4/6/2023 20:00	0.028	1.98	351.8	29.16	54.3	46.3
MS-10	7	4/6/2023 20:00	0.046	2.1	243.1	29.36	57.6	38.9
MS-11	7	4/6/2023 20:00	0.014	3.09	226.7	28.9	57.5	32.3
MS-12	7	4/6/2023 20:00	0.131	1.57	9.5	29.21	53.6	49.2
MS-06	7	4/6/2023 21:00	0.079	2.25	259.5	29.31	51.3	51.5
MS-08	7	4/6/2023 21:00	0.212	2.13	251.5	29.17	47.8	61.6
MS-09	7	4/6/2023 21:00	0.042	2.01	14	29.18	49.9	57
MS-10	7	4/6/2023 21:00	0.088	0.91	48.2	29.38	51.9	52.9
MS-11	7	4/6/2023 21:00	0.095	1.76	202.2	28.92	53	40.5
MS-12	7	4/6/2023 21:00	0.183	2.37	344.1	29.23	48.5	62.7
MS-06	7	4/6/2023 22:00	0.101	2.18	255.2	29.32	47	63.7
MS-08	7	4/6/2023 22:00	0.218	2.51	254.3	29.17	45.3	67.7
MS-09	7	4/6/2023 22:00	0.042	2.44	17.5	29.19	47.8	61.4
MS-10	7	4/6/2023 22:00	0.089	0.83	350.6	29.39	48.7	59.6
MS-11	7	4/6/2023 22:00	0.128	1.34	217.4	28.92	49.7	48.6
MS-12	7	4/6/2023 22:00	0.187	2.05	336.4	29.23	46.4	67.6
MS-06	7	4/6/2023 23:00	0.105	2.07	247.9	29.32	45.4	68.9
MS-08	7	4/6/2023 23:00	0.227	2.39	255.8	29.17	43.3	73.3
MS-09	7	4/6/2023 23:00	0.043	2.14	22.5	29.19	45.6	66.7
MS-10	7	4/6/2023 23:00	0.089	0.79	52.6	29.38	46.9	62.7
MS-11	7	4/6/2023 23:00	0.174	1.12	204.9	28.92	48.2	54.4
MS-12	7	4/6/2023 23:00	0.193	2.68	348.1	29.23	44.5	72.4
MS-06	7	4/7/2023 0:00	0.106	2.07	247.3	29.32	44	72.3
MS-08	7	4/7/2023 0:00	0.222	2.3	258.7	29.17	42.9	73.9
MS-09	7	4/7/2023 0:00	0.04	2.3	21.7	29.19	44.8	66.5
MS-10	7	4/7/2023 0:00	0.082	0.76	61.9	29.38	45.3	64.8
MS-11	7	4/7/2023 0:00	0.197	1.17	218.7	28.92	46.8	59.1
MS-12	7	4/7/2023 0:00	0.191	2.53	338.4	29.23	43.4	74.4
MS-06	7	4/7/2023 1:00	0.108	2.04	249.6	29.31	45.2	71.1
MS-08	7	4/7/2023 1:00	0.226	1.55	244.1	29.16	43.9	73
MS-09	7	4/7/2023 1:00	0.041	1.11	17	29.18	44.8	67.1
MS-10	7	4/7/2023 1:00	0.077	0.76	60.6	29.37	45.5	64.1
MS-11	7	4/7/2023 1:00	0.223	1.79	86.5	28.91	48	59.7
MS-12	7	4/7/2023 1:00	0.184	2.93	348.5	29.22	44.9	71.5
MS-06	7	4/7/2023 2:00	0.111	2.17	258.6	29.3	46.3	68.5
MS-08	7	4/7/2023 2:00	0.256	1.8	252.8	29.15	44.6	74.8
MS-09	7	4/7/2023 2:00	0.046	1.42	3.5	29.17	45.6	68.6
MS-10	7	4/7/2023 2:00	0.091	0.86	52.7	29.36	45.9	67.1
MS-11	7	4/7/2023 2:00	0.213	1.33	67.6	28.9	48.7	56.9

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	7	4/7/2023 2:00	0.2	1.91	348.8	29.21	45.5	73.3
MS-06	7	4/7/2023 3:00	0.107	1.89	252.7	29.29	46.1	68.9
MS-08	7	4/7/2023 3:00	0.259	1.58	247.2	29.14	44.3	75.7
MS-09	7	4/7/2023 3:00	0.048	1.47	353.6	29.16	45.7	71.4
MS-10	7	4/7/2023 3:00	0.096	0.81	42	29.36	45.8	68.3
MS-11	7	4/7/2023 3:00	0.254	1.4	86.6	28.89	47.5	63.6
MS-12	7	4/7/2023 3:00	0.207	2.53	347.9	29.21	45.4	75.3
MS-06	7	4/7/2023 4:00	0.104	1.78	259.6	29.29	45.7	70.7
MS-08	7	4/7/2023 4:00	0.235	2.44	259.5	29.14	44.2	74.7
MS-09	7	4/7/2023 4:00	0.047	1.91	0.3	29.16	45.3	73
MS-10	7	4/7/2023 4:00	0.103	0.79	33.6	29.36	45.5	71.2
MS-11	7	4/7/2023 4:00	0.239	1.53	98	28.89	47.5	62.9
MS-12	7	4/7/2023 4:00	0.201	1.93	351.5	29.2	45.1	76.2
MS-06	7	4/7/2023 5:00	0.097	2.08	280.8	29.29	46.2	69.9
MS-08	7	4/7/2023 5:00	0.224	1.53	246	29.14	44.4	74.6
MS-09	7	4/7/2023 5:00	0.044	1.87	18.9	29.16	45.5	72.2
MS-10	7	4/7/2023 5:00	0.102	0.92	32.6	29.36	45.8	71.2
MS-11	7	4/7/2023 5:00	0.169	1.32	111.7	28.89	47.9	56.1
MS-12	7	4/7/2023 5:00	0.201	1.53	318.3	29.2	44.8	77.8
MS-06	7	4/7/2023 6:00	0.096	2	258.2	29.29	46.2	70.8
MS-08	7	4/7/2023 6:00	0.218	2.13	256.1	29.14	44.3	74.9
MS-09	7	4/7/2023 6:00	0.042	1.5	351.2	29.16	45.6	72.3
MS-10	7	4/7/2023 6:00	0.104	0.77	20.5	29.36	45.7	72.3
MS-11	7	4/7/2023 6:00	0.21	1.49	13.6	28.89	46.9	63.4
MS-12	7	4/7/2023 6:00	0.179	1.84	352.3	29.21	45.1	76.2
MS-06	7	4/7/2023 7:00	0.094	1.8	259.5	29.31	46.9	71.6
MS-08	7	4/7/2023 7:00	0.219	1.25	249.1	29.16	45	75.2
MS-09	7	4/7/2023 7:00	0.04	1.83	18.9	29.18	46.1	72.1
MS-10	7	4/7/2023 7:00	0.104	0.96	50.5	29.38	47.2	71
MS-11	7	4/7/2023 7:00	0.146	1.51	162.9	28.91	49.8	53.7
MS-12	7	4/7/2023 7:00	0.183	1.53	351.8	29.22	45.2	77.6
MS-06	7	4/7/2023 8:00	0.066	2.05	99.3	29.33	54.5	50.9
MS-08	7	4/7/2023 8:00	0.174	1.69	37.2	29.18	52.9	55.4
MS-09	7	4/7/2023 8:00	0.031	1.36	156.1	29.19	53.9	51.5
MS-10	7	4/7/2023 8:00	0.09	1.46	82.5	29.39	54.8	53.3
MS-11	7	4/7/2023 8:00	0.171	2.18	42.5	28.92	56.4	46.7
MS-12	7	4/7/2023 8:00	0.16	1.32	89.8	29.24	54.2	57.4
MS-06	7	4/7/2023 9:00	0.043	2.25	85.9	29.32	59.3	40.2
MS-08	7	4/7/2023 9:00	0.128	1.92	96.7	29.18	59.4	42.4
MS-09	7	4/7/2023 9:00	0.032	2.13	170.4	29.19	58.8	43.6
MS-10	7	4/7/2023 9:00	0.061	1.59	120.9	29.38	60.6	40.7
MS-11	7	4/7/2023 9:00	0.157	2.4	12.1	28.93	60.5	41
MS-12	7	4/7/2023 9:00	0.087	1.91	348.6	29.23	60.6	41.4
MS-06	7	4/7/2023 10:00	0.003	2.16	91.2	29.31	64.9	30.4
MS-08	7	4/7/2023 10:00	0.102	2.12	329.1	29.17	64.2	35.9
MS-09	7	4/7/2023 10:00	0.011	2.34	148.2	29.18	63.8	32.4

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-10	7	4/7/2023 10:00	0.039	2.35	221.6	29.37	64.7	32.6
MS-11	7	4/7/2023 10:00	0.093	2.84	350.7	28.92	64.2	34.2
MS-12	7	4/7/2023 10:00	0.038	2.81	135.8	29.23	64	35.1
MS-06	7	4/7/2023 11:00	0.024	3.89	214.7	29.31	67.8	31.2
MS-08	7	4/7/2023 11:00	0.108	3.33	220.8	29.16	66.8	34.2
MS-10	7	4/7/2023 11:00	0.059	3.58	217.7	29.36	67.7	32.5
MS-11	7	4/7/2023 11:00	0.123	3.4	342.7	28.92	67.4	33.1
MS-12	7	4/7/2023 11:00	0.064	4.08	150.1	29.22	67.4	33.9
MS-06	7	4/7/2023 12:00	0.039	5.73	235.5	29.3	68.8	32.3
MS-08	7	4/7/2023 12:00	0.124	3.85	258.1	29.16	68.4	33.6
MS-10	7	4/7/2023 12:00	0.092	6.11	228.2	29.36	68.8	33.8
MS-11	7	4/7/2023 12:00	0.212	4.84	271.8	28.91	68.8	34.4
MS-12	7	4/7/2023 12:00	0.075	4.97	166.4	29.21	68.9	33.5
MS-06	7	4/7/2023 13:00	0.008	6.5	237.4	29.29	70	27.9
MS-08	7	4/7/2023 13:00	0.072	4.06	281.2	29.15	69.5	29.9
MS-10	7	4/7/2023 13:00	0.065	6.83	229.3	29.34	69.5	29.6
MS-11	7	4/7/2023 13:00	0.137	4.67	290.8	28.9	69.6	30.8
MS-12	7	4/7/2023 13:00	0.02	4.54	185.1	29.2	70.2	29.4
MS-08	7	4/7/2023 14:00	0.012	4.28	277.4	29.14	68.9	28.5
MS-10	7	4/7/2023 14:00	0.033	6.31	233.1	29.34	69.6	27.2
MS-11	7	4/7/2023 14:00	0.076	4.82	281.9	28.89	69.1	29.3
MS-08	7	4/7/2023 15:00	0.034	3.56	279.2	29.12	69.8	29.3
MS-10	7	4/7/2023 15:00	0.016	6.57	242.8	29.32	69.9	26.7
MS-11	7	4/7/2023 15:00	0.116	5.5	262.7	28.87	69.1	31.5
MS-12	7	4/7/2023 15:00	0	4.79	192.1	29.17	70.6	27.5
MS-06	7	4/7/2023 16:00	0.015	7.81	231	29.25	68.3	31.4
MS-08	7	4/7/2023 16:00	0.123	3.89	273.5	29.11	68.2	35.1
MS-10	7	4/7/2023 16:00	0.038	6.8	232.7	29.31	68.5	31.4
MS-11	7	4/7/2023 16:00	0.162	5.37	267.2	28.86	67.6	35
MS-12	7	4/7/2023 16:00	0.038	4.71	197.8	29.17	69	32.3
MS-06	7	4/7/2023 17:00	0.04	7.06	227	29.26	65.9	36.9
MS-08	7	4/7/2023 17:00	0.129	4.08	242.5	29.11	64.9	39.3
MS-10	7	4/7/2023 17:00	0.059	6.65	220.2	29.31	66	37
MS-11	7	4/7/2023 17:00	0.169	4.36	265	28.87	65.3	38.5
MS-12	7	4/7/2023 17:00	0.082	3.57	193.6	29.17	65.9	38.4
MS-06	7	4/7/2023 18:00	0.051	6.13	239.8	29.27	62.5	42.9
MS-08	7	4/7/2023 18:00	0.141	3.12	246.5	29.13	61.5	44.2
MS-10	7	4/7/2023 18:00	0.058	3.54	260.8	29.33	62.8	42.1
MS-11	7	4/7/2023 18:00	0.095	4.19	231.7	28.87	61.9	38.5
MS-12	7	4/7/2023 18:00	0.097	2.98	204.8	29.18	62.3	44.1
MS-06	7	4/7/2023 19:00	0.049	4.59	259	29.27	58.9	48
MS-08	7	4/7/2023 19:00	0.15	3.12	252.3	29.13	58.1	50.6
MS-10	7	4/7/2023 19:00	0.046	3.26	263.9	29.34	59.7	45.8
MS-11	7	4/7/2023 19:00	0.141	2.51	256.3	28.88	56.9	49.8
MS-12	7	4/7/2023 19:00	0.116	1.47	238.6	29.19	58.6	51.3
MS-06	7	4/7/2023 20:00	0.063	3.49	246.1	29.29	56.6	56

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	7	4/7/2023 20:00	0.197	2.17	256.1	29.15	55.4	60
MS-10	7	4/7/2023 20:00	0.072	1.58	270.9	29.36	56.7	56
MS-11	7	4/7/2023 20:00	0.206	3.64	242.1	28.9	54	60.8
MS-12	7	4/7/2023 20:00	0.147	1.41	16.3	29.21	55.2	61
MS-06	7	4/7/2023 21:00	0.071	2.18	250	29.31	53.4	66.6
MS-08	7	4/7/2023 21:00	0.235	1.69	246.7	29.17	51.7	71.3
MS-10	7	4/7/2023 21:00	0.082	1.65	256.2	29.38	54.6	63.9
MS-11	7	4/7/2023 21:00	0.212	3.29	231.2	28.92	52.8	64.7
MS-12	7	4/7/2023 21:00	0.171	1.86	2.3	29.23	51.6	72.8
MS-06	7	4/7/2023 22:00	0.072	2.59	320.1	29.32	51.7	74.6
MS-08	7	4/7/2023 22:00	0.236	1.86	242	29.18	49.1	78.5
MS-10	7	4/7/2023 22:00	0.078	1.06	80.1	29.39	51.8	69.5
MS-11	7	4/7/2023 22:00	0.248	2.75	214.4	28.93	51.6	73
MS-12	7	4/7/2023 22:00	0.171	1.48	37	29.24	50.2	77.7
MS-06	7	4/7/2023 23:00	0.07	1.83	267.9	29.32	49.5	83.5
MS-08	7	4/7/2023 23:00	0.225	2.15	251.4	29.18	47.3	83
MS-10	7	4/7/2023 23:00	0.076	0.93	57.4	29.39	50	74.7
MS-11	7	4/7/2023 23:00	0.24	1.14	222.2	28.93	50	77.1
MS-12	7	4/7/2023 23:00	0.167	2.32	1	29.24	48.3	82.6
MS-06	7	4/8/2023 0:00	0.066	1.92	255.1	29.32	47.7	85.6
MS-08	7	4/8/2023 0:00	0.21	2.1	252.7	29.17	46.3	85.3
MS-10	7	4/8/2023 0:00	0.068	0.71	55.3	29.38	48.2	77.6
MS-11	7	4/8/2023 0:00	0.203	1.03	194.3	28.92	48.9	76.6
MS-12	7	4/8/2023 0:00	0.156	2.43	359.3	29.23	47.4	84.2
MS-06	7	4/8/2023 1:00	0.062	2.02	254.7	29.31	47.1	86.1
MS-08	7	4/8/2023 1:00	0.195	1.84	249	29.17	45.5	87.1
MS-10	7	4/8/2023 1:00	0.065	0.88	21.5	29.38	47.7	79.4
MS-11	7	4/8/2023 1:00	0.184	2.1	115.3	28.91	49.2	75.4
MS-12	7	4/8/2023 1:00	0.145	2.01	349.3	29.23	46.4	86.2
MS-06	7	4/8/2023 2:00	0.055	1.84	256.8	29.3	46.3	85.1
MS-08	7	4/8/2023 2:00	0.172	2.14	256.3	29.16	44.5	88.1
MS-10	7	4/8/2023 2:00	0.059	0.77	30.2	29.37	46.4	81.5
MS-11	7	4/8/2023 2:00	0.153	1.11	235.7	28.9	47.2	77.1
MS-12	7	4/8/2023 2:00	0.129	2.52	349.1	29.22	45.5	86.8
MS-06	7	4/8/2023 3:00	0.05	2.21	252.8	29.3	44.9	86.8
MS-08	7	4/8/2023 3:00	0.141	1.58	246.3	29.15	43.1	88.9
MS-10	7	4/8/2023 3:00	0.051	0.71	54.4	29.36	44.9	83.9
MS-11	7	4/8/2023 3:00	0.135	1.18	193.2	28.89	45.7	80.2
MS-12	7	4/8/2023 3:00	0.103	1.87	336.3	29.21	43.7	88.3
MS-06	7	4/8/2023 4:00	0.046	1.78	246.1	29.3	44.2	87.8
MS-08	7	4/8/2023 4:00	0.121	1.67	248.9	29.15	42.3	90.3
MS-10	7	4/8/2023 4:00	0.042	0.79	37.6	29.36	43.8	84.9
MS-11	7	4/8/2023 4:00	0.117	1.11	191.1	28.89	45.7	79.5
MS-12	7	4/8/2023 4:00	0.097	2.08	338.1	29.21	43.3	89.2
MS-06	7	4/8/2023 5:00	0.041	1.97	249.1	29.3	43.7	88.5
MS-08	7	4/8/2023 5:00	0.112	1.99	256.5	29.15	42.2	91

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-10	7	4/8/2023 5:00	0.038	0.79	29.8	29.37	43.2	85.6
MS-11	7	4/8/2023 5:00	0.097	1.21	186.4	28.9	45.4	78.4
MS-12	7	4/8/2023 5:00	0.086	2.25	340.7	29.22	43	89.9
MS-06	7	4/8/2023 6:00	0.035	2.01	255.3	29.31	42.7	89
MS-08	7	4/8/2023 6:00	0.09	1.72	249.2	29.16	41.1	91.6
MS-10	7	4/8/2023 6:00	0.032	0.71	32.8	29.38	42.4	87.5
MS-11	7	4/8/2023 6:00	0.081	1.35	179.6	28.91	45.4	78.3
MS-12	7	4/8/2023 6:00	0.054	2.42	350.5	29.22	41.6	90.9
MS-06	7	4/8/2023 7:00	0.038	1.66	274.3	29.33	45.7	86.3
MS-08	7	4/8/2023 7:00	0.116	1.72	258.6	29.18	43.2	90.8
MS-10	7	4/8/2023 7:00	0.037	1.05	61.9	29.39	44.7	84.4
MS-11	7	4/8/2023 7:00	0.109	1.23	300.7	28.93	46.6	80.5
MS-12	7	4/8/2023 7:00	0.076	2.16	1.5	29.24	43.9	90
MS-06	7	4/8/2023 8:00	0.032	1.97	98.8	29.34	51.4	71.4
MS-08	7	4/8/2023 8:00	0.134	2.02	274.3	29.19	50.3	76.9
MS-10	7	4/8/2023 8:00	0.036	1.4	108	29.41	51.7	70
MS-11	7	4/8/2023 8:00	0.103	2.75	54.8	28.94	52	68.3
MS-12	7	4/8/2023 8:00	0.094	1.52	98.1	29.25	51.1	77.7
MS-06	7	4/8/2023 9:00	0.026	1.97	76	29.34	57.3	57.7
MS-08	7	4/8/2023 9:00	0.12	2.23	72.6	29.19	57.3	60.5
MS-10	7	4/8/2023 9:00	0.036	1.61	147.2	29.4	58	56.8
MS-11	7	4/8/2023 9:00	0.097	2.8	58.8	28.94	58.4	56.7
MS-12	7	4/8/2023 9:00	0.086	2.27	176.5	29.25	57.4	62.4
MS-08	7	4/8/2023 10:00	0.122	2.26	49.7	29.19	62.7	51.5
MS-10	7	4/8/2023 10:00	0.043	2.16	197	29.39	63	49.7
MS-11	7	4/8/2023 10:00	0.108	3.65	352.8	28.94	62.9	51.1
MS-12	7	4/8/2023 10:00	0.071	2.31	93.6	29.24	63.5	50.5
MS-08	7	4/8/2023 11:00	0.135	3.53	249.4	29.19	65.8	47.4
MS-10	7	4/8/2023 11:00	0.043	3.5	207	29.39	66.7	46.9
MS-11	7	4/8/2023 11:00	0.123	3.05	1	28.94	66.4	47.6
MS-12	7	4/8/2023 11:00	0.079	3.94	174.6	29.25	66.3	47.6
MS-08	7	4/8/2023 12:00	0.129	3.94	262.5	29.18	67.4	45.3
MS-10	7	4/8/2023 12:00	0.045	4.85	217.2	29.37	68.5	45
MS-11	7	4/8/2023 12:00	0.154	3.73	276.9	28.93	68.1	46.2
MS-12	7	4/8/2023 12:00	0.074	4.37	176.9	29.23	68.8	44.2
MS-08	7	4/8/2023 13:00	0.171	3.97	239.3	29.17	68.8	47.6
MS-10	7	4/8/2023 13:00	0.039	6.66	230.5	29.37	69.4	45
MS-11	7	4/8/2023 13:00	0.119	5.05	269.8	28.92	69.4	41.5
MS-12	7	4/8/2023 13:00	0.097	4.77	184.6	29.22	69.8	46.7
MS-08	7	4/8/2023 14:00	0.183	4.31	274.9	29.16	68.5	49.4
MS-10	7	4/8/2023 14:00	0.038	6.22	233.1	29.36	69.3	46.6
MS-11	7	4/8/2023 14:00	0.082	5.14	264.3	28.91	69.2	39.6
MS-12	7	4/8/2023 14:00	0.111	3.93	215.9	29.21	70.4	47.7
MS-08	7	4/8/2023 15:00	0.176	4.08	252.2	29.15	68.2	49.6
MS-10	7	4/8/2023 15:00	0.035	6.68	239.9	29.35	68.9	46.9
MS-11	7	4/8/2023 15:00	0.066	5.25	266.3	28.9	68.9	39.5

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	7	4/8/2023 15:00	0.105	3.63	214.4	29.21	70	48
MS-08	7	4/8/2023 16:00	0.179	4.26	252.4	29.15	67.7	52.1
MS-10	7	4/8/2023 16:00	0.036	4.57	263.6	29.34	68.9	48.4
MS-11	7	4/8/2023 16:00	0.136	5.7	266.1	28.89	67.6	49.7
MS-12	7	4/8/2023 16:00	0.102	3.5	252	29.2	69	50.4
MS-08	7	4/8/2023 17:00	0.191	3.25	263.6	29.15	66.6	56.7
MS-10	7	4/8/2023 17:00	0.03	3.83	260.3	29.35	67.2	54.2
MS-11	7	4/8/2023 17:00	0.18	5.11	263.3	28.9	65.6	57.6
MS-12	7	4/8/2023 17:00	0.106	2.76	229.8	29.21	66.5	56.7
MS-08	7	4/8/2023 18:00	0.195	3.28	263.4	29.15	63.9	63.4
MS-10	7	4/8/2023 18:00	0.026	3.16	258.1	29.35	64.6	61.5
MS-11	7	4/8/2023 18:00	0.181	3.78	269.3	28.9	62.6	65.1
MS-12	7	4/8/2023 18:00	0.108	2.13	210.5	29.21	63.8	64.7
MS-08	7	4/8/2023 19:00	0.174	2.43	252.1	29.16	60.2	68.9
MS-11	7	4/8/2023 19:00	0.162	4	232.3	28.92	58.4	72
MS-12	7	4/8/2023 19:00	0.099	1.51	33.7	29.22	60.4	70.2
MS-08	7	4/8/2023 20:00	0.156	1.78	238	29.19	56.4	75.6
MS-11	7	4/8/2023 20:00	0.142	4.1	226.9	28.94	55.8	76.7
MS-12	7	4/8/2023 20:00	0.09	0.89	34.4	29.24	55.9	78.9
MS-08	7	4/8/2023 21:00	0.137	1.86	239.8	29.21	52.3	84.4
MS-11	7	4/8/2023 21:00	0.14	5.04	234.5	28.96	54.2	82.4
MS-12	7	4/8/2023 21:00	0.079	1.18	7.6	29.27	52.6	84.8
MS-08	7	4/8/2023 22:00	0.12	1.59	237.2	29.22	50.3	88.2
MS-11	7	4/8/2023 22:00	0.126	1.86	206.7	28.97	52.4	86.4
MS-12	7	4/8/2023 22:00	0.065	1.29	349.8	29.28	50.3	87.8
MS-08	7	4/8/2023 23:00	0.098	2.15	253.1	29.22	48.7	90.4
MS-11	7	4/8/2023 23:00	0.109	1.47	159	28.97	52.5	85
MS-12	7	4/8/2023 23:00	0.057	1.87	351.6	29.28	49.3	90.3
MS-08	7	4/9/2023 0:00	0.076	2.12	252.9	29.22	47.6	91.4
MS-11	7	4/9/2023 0:00	0.084	1.01	215.3	28.97	49.7	89.7
MS-12	7	4/9/2023 0:00	0.048	1.98	341.3	29.28	48.2	90.5
MS-08	7	4/9/2023 1:00	0.044	1.76	252	29.22	46	92.4
MS-11	7	4/9/2023 1:00	0.087	1.58	130	28.97	50.6	88.7
MS-12	7	4/9/2023 1:00	0.035	2.36	347.1	29.28	47.1	92.3
MS-08	7	4/9/2023 2:00	0.033	2.29	257.7	29.22	45.5	93.1
MS-11	7	4/9/2023 2:00	0.056	0.93	216.2	28.96	48.4	91.8
MS-12	7	4/9/2023 2:00	0.023	1.97	338.4	29.28	45.9	92.3
MS-08	7	4/9/2023 3:00	0.012	1.47	252.6	29.21	44.5	93
MS-11	7	4/9/2023 3:00	0.068	2.5	103	28.96	50.8	88
MS-11	7	4/9/2023 4:00	0.036	1.57	104.9	28.95	48.9	88.9
MS-11	7	4/9/2023 5:00	0.035	2.3	83.8	28.96	50.2	85.5
MS-11	7	4/9/2023 6:00	0.014	2.26	91.9	28.96	50.9	82
MS-08	7	4/9/2023 7:00	0.01	1.8	247.8	29.23	45.1	93.9
MS-11	7	4/9/2023 7:00	0.02	2.17	81.3	28.98	54.1	76.4
MS-08	7	4/9/2023 8:00	0.043	1.39	215.7	29.25	53.7	77.1
MS-11	7	4/9/2023 8:00	0.051	1.48	26.3	29	61	66.9

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	7	4/9/2023 9:00	0.057	1.63	57.6	29.25	62.5	60.2
MS-11	7	4/9/2023 9:00	0.005	1.65	347.3	29	67.8	44.8
MS-12	7	4/9/2023 9:00	0.023	1.94	109.2	29.31	62.4	60.9
MS-08	7	4/9/2023 10:00	0.06	1.98	138.4	29.24	71.5	45.3
MS-12	7	4/9/2023 10:00	0.037	3.1	180	29.3	69.8	50.1
MS-08	7	4/9/2023 11:00	0.018	3.17	93.9	29.24	77.6	34.4
MS-12	7	4/9/2023 11:00	0.008	2.71	123.8	29.29	77.7	35.5
MS-08	8	4/9/2023 15:00	0.001	3.27	105.9	29.17	84.4	27.3
MS-11	8	4/9/2023 15:00	0.021	3.86	331.5	28.93	83	30.1
MS-12	8	4/9/2023 15:00	0.014	3.88	196.1	29.22	84.3	31.1
MS-08	8	4/9/2023 16:00	0.12	4.39	246.6	29.15	81.6	40
MS-11	8	4/9/2023 16:00	0.087	5.19	242.6	28.91	79.1	45.9
MS-12	8	4/9/2023 16:00	0.057	2.79	229.8	29.2	83.7	37.9
MS-08	8	4/9/2023 17:00	0.128	3.91	254.5	29.15	79.2	43.9
MS-11	8	4/9/2023 17:00	0.08	5.09	248.8	28.9	75.2	55.3
MS-12	8	4/9/2023 17:00	0.061	2.52	200.9	29.2	79.5	45.2
MS-08	8	4/9/2023 18:00	0.13	3.81	245.9	29.15	75.2	49.7
MS-11	8	4/9/2023 18:00	0.078	4.11	233.3	28.91	71.4	61.2
MS-12	8	4/9/2023 18:00	0.057	2.2	177.6	29.2	75.4	51
MS-08	8	4/9/2023 19:00	0.121	3.08	249.2	29.16	69.8	56.2
MS-11	8	4/9/2023 19:00	0.079	4.71	227.5	28.91	67.3	67.6
MS-12	8	4/9/2023 19:00	0.056	1.5	48.2	29.21	68.8	61.1
MS-08	8	4/9/2023 20:00	0.116	1.98	242.9	29.17	62	70.3
MS-11	8	4/9/2023 20:00	0.077	5.22	233.7	28.93	64.4	72.4
MS-12	8	4/9/2023 20:00	0.055	1.18	18.5	29.23	62	75.3
MS-08	8	4/9/2023 21:00	0.114	1.73	242.3	29.2	57.7	81.2
MS-11	8	4/9/2023 21:00	0.071	3.09	215.7	28.95	63.5	72.9
MS-12	8	4/9/2023 21:00	0.054	1.43	343.1	29.25	57.5	82.1
MS-08	8	4/9/2023 22:00	0.105	2.45	256	29.2	55.5	86
MS-11	8	4/9/2023 22:00	0.068	1.4	198.5	28.95	59.7	80.1
MS-12	8	4/9/2023 22:00	0.05	2.26	347.7	29.26	56.3	84.9
MS-08	8	4/9/2023 23:00	0.097	2.63	258.5	29.2	54.3	87.6
MS-11	8	4/9/2023 23:00	0.057	1.3	155.6	28.95	58.6	79.8
MS-12	8	4/9/2023 23:00	0.046	2.49	332.6	29.26	54.6	86.9
MS-08	8	4/10/2023 0:00	0.073	2.07	253.9	29.2	52.6	87.3
MS-11	8	4/10/2023 0:00	0.049	1.36	204.2	28.95	56.8	82.4
MS-12	8	4/10/2023 0:00	0.038	2.66	341.4	29.26	53.4	86.7
MS-08	8	4/10/2023 1:00	0.048	1.9	248.4	29.2	50.5	88
MS-11	8	4/10/2023 1:00	0.03	1.28	204.5	28.95	55.3	81.8
MS-12	8	4/10/2023 1:00	0.029	3.03	343.1	29.25	52.1	86.4
MS-08	8	4/10/2023 2:00	0.025	1.86	250.9	29.18	49.1	88.3
MS-11	8	4/10/2023 2:00	0.022	1.39	196.9	28.93	56.4	79.7
MS-08	9	4/10/2023 11:00	0	2.06	113.1	29.16	81.6	30.1
MS-08	9	4/10/2023 12:00	0.031	3.06	247.4	29.15	84.2	32.8
MS-08	9	4/10/2023 13:00	0.075	3.77	219.6	29.13	83.5	38.1
MS-08	9	4/10/2023 14:00	0.071	3.5	240.1	29.12	84.6	36.5

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	9	4/10/2023 14:00	0.025	4.24	197	29.17	85.3	35.9
MS-08	9	4/10/2023 15:00	0.088	4.04	277.2	29.11	83.3	41.9
MS-12	9	4/10/2023 15:00	0.032	3.63	260.6	29.16	84.9	38.9
MS-08	9	4/10/2023 16:00	0.086	3.95	265	29.11	81.4	44.7
MS-12	9	4/10/2023 16:00	0.029	3.29	268.8	29.16	82.7	45.1
MS-08	9	4/10/2023 17:00	0.07	3.92	247.8	29.11	79.4	42.8
MS-08	9	4/10/2023 18:00	0.067	3.03	257.5	29.11	75.9	47.7
MS-08	9	4/10/2023 19:00	0.078	2.33	240.7	29.11	69.7	61.9
MS-08	9	4/10/2023 20:00	0.074	2.53	242	29.14	65.5	69.1
MS-08	9	4/10/2023 21:00	0.069	1.06	237	29.17	60.6	77.5
MS-08	9	4/10/2023 22:00	0.058	1.7	240.2	29.18	55.8	85.5
MS-08	9	4/10/2023 23:00	0.046	1.94	250.8	29.17	53.4	88.6
MS-08	9	4/11/2023 0:00	0.041	2.55	258.1	29.16	53	89.5
MS-08	9	4/11/2023 1:00	0.029	1.21	244.7	29.15	51.5	90.4
MS-08	10	4/11/2023 10:00	0.024	1.97	171.2	29.13	72.6	49.1
MS-08	10	4/11/2023 11:00	0.032	2.83	239	29.12	75.4	46.6
MS-08	10	4/11/2023 12:00	0.047	3.63	230.6	29.1	75.9	48.3
MS-08	10	4/11/2023 13:00	0.05	3.72	244.9	29.09	75.8	50.5
MS-08	10	4/11/2023 14:00	0.049	3.71	229.9	29.07	76.2	50.5
MS-08	10	4/11/2023 15:00	0.05	3.86	257.1	29.06	76.1	52.4
MS-08	10	4/11/2023 16:00	0.046	3.88	259.9	29.05	74.5	53.7
MS-08	10	4/11/2023 17:00	0.047	3.12	271.5	29.05	72.5	56.2
MS-08	10	4/11/2023 18:00	0.03	3.21	274.4	29.05	68.9	56.5
MS-08	10	4/11/2023 19:00	0.03	2.16	242.6	29.05	64.8	64.3
MS-08	10	4/11/2023 20:00	0.033	1.78	236.3	29.06	59.8	74.8
MS-08	10	4/11/2023 21:00	0.028	1.33	237.2	29.07	56	82.4
MS-08	11	4/12/2023 10:00	0.024	2.87	288	29.01	54.3	88.3
MS-08	11	4/12/2023 11:00	0.032	2.95	277.4	29.01	57	83.5
MS-08	11	4/12/2023 12:00	0.034	3.49	262.4	29	58.8	79.1
MS-08	11	4/12/2023 13:00	0.032	3.54	261.5	28.98	58.1	80.3
MS-08	11	4/12/2023 14:00	0.028	4.14	258.5	28.96	59.3	76.6
MS-08	12	4/15/2023 9:00	0.019	2.38	42.3	29.24	54.7	70.7
MS-08	12	4/15/2023 10:00	0.03	2.5	56.9	29.23	60.1	60.7
MS-08	12	4/15/2023 11:00	0.021	2.54	164.2	29.23	66	47.7
MS-08	13	4/15/2023 13:00	0.003	3.12	229.6	29.2	74.5	35.4
MS-08	13	4/15/2023 14:00	0.03	3.71	257.1	29.19	75.4	37.1
MS-11	13	4/15/2023 14:00	0.018	4	302.3	28.94	74.8	42.5
MS-12	13	4/15/2023 14:00	0.013	3.28	277.5	29.24	77.1	36.1
MS-08	13	4/15/2023 15:00	0.094	4.04	283.1	29.18	74.2	45.6
MS-11	13	4/15/2023 15:00	0.044	4.57	285.2	28.93	73.2	49.1
MS-12	13	4/15/2023 15:00	0.045	3.32	244.2	29.23	75.6	43.5
MS-08	13	4/15/2023 16:00	0.094	4.07	268.3	29.17	72.9	47
MS-11	13	4/15/2023 16:00	0.044	5.23	253.3	28.92	70.9	52.6
MS-12	13	4/15/2023 16:00	0.049	3.16	212.4	29.22	74.5	45.1
MS-08	13	4/15/2023 17:00	0.091	3.1	248.1	29.17	71.6	48.4
MS-11	13	4/15/2023 17:00	0.043	4.83	249.5	28.92	68.6	55.8

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	13	4/15/2023 17:00	0.047	2.96	199.9	29.23	71.1	49.8
MS-08	13	4/15/2023 18:00	0.095	2.7	232	29.18	67.1	55.7
MS-11	13	4/15/2023 18:00	0.039	4.54	246.4	28.93	64.6	61.3
MS-12	13	4/15/2023 18:00	0.049	2.22	191.3	29.23	67.1	56.1
MS-08	13	4/15/2023 19:00	0.095	2.52	239.6	29.18	59.1	70.7
MS-11	13	4/15/2023 19:00	0.028	6.14	234.8	28.93	59.2	69.4
MS-12	13	4/15/2023 19:00	0.05	0.87	132.7	29.24	61.2	67.4
MS-08	13	4/15/2023 20:00	0.079	1.86	238.9	29.2	54.1	79.7
MS-12	13	4/15/2023 20:00	0.045	0.92	54.4	29.26	55	78.4
MS-08	13	4/15/2023 21:00	0.058	1.87	247.9	29.22	50.4	85.1
MS-12	13	4/15/2023 21:00	0.037	0.93	353.1	29.28	51	84.2
MS-08	13	4/15/2023 22:00	0.04	1.95	245	29.23	48.3	88.6
MS-12	13	4/15/2023 22:00	0.025	1.37	333.4	29.29	48.3	86.9
MS-08	13	4/15/2023 23:00	0.031	1.65	246	29.23	47.3	90.6
MS-08	13	4/16/2023 0:00	0.025	2.05	253.1	29.23	46.6	91.7
MS-08	14	4/16/2023 10:00	0.022	2.13	88.6	29.22	65.4	52
MS-12	14	4/16/2023 10:00	0.009	3.08	143.4	29.28	65	53.2
MS-08	14	4/16/2023 11:00	0.067	3.45	229.1	29.21	67.9	53.7
MS-11	14	4/16/2023 11:00	0.023	3.36	295.7	28.96	68.1	57.1
MS-12	14	4/16/2023 11:00	0.038	3.91	181.2	29.27	68.6	53.9
MS-08	14	4/16/2023 12:00	0.091	4.46	217.8	29.2	68.4	56.6
MS-11	14	4/16/2023 12:00	0.038	4.48	259.6	28.95	69.1	59.9
MS-12	14	4/16/2023 12:00	0.047	3.53	272.7	29.25	70.2	54.7
MS-08	14	4/16/2023 13:00	0.089	4.8	232	29.18	69.4	54.7
MS-11	14	4/16/2023 13:00	0.041	5.62	250.7	28.93	69.4	59.4
MS-12	14	4/16/2023 13:00	0.048	3.75	263.7	29.23	71.9	52.2
MS-08	14	4/16/2023 14:00	0.089	4.17	252	29.16	70.9	52.5
MS-11	14	4/16/2023 14:00	0.037	5.14	264.7	28.91	70.1	56.7
MS-12	14	4/16/2023 14:00	0.046	3.72	239.9	29.22	72.7	50.9
MS-08	14	4/16/2023 15:00	0.058	4.04	262.9	29.15	71	46.6
MS-11	14	4/16/2023 15:00	0.035	4.95	275.9	28.89	70.7	56.8
MS-12	14	4/16/2023 15:00	0.032	3.69	257.2	29.2	72.3	46.9
MS-08	14	4/16/2023 16:00	0.011	4.35	245.6	29.13	71.2	41.8
MS-11	14	4/16/2023 16:00	0.022	5.41	268.5	28.87	69.8	54
MS-12	14	4/16/2023 16:00	0.006	3.27	238	29.18	72.2	42
MS-08	14	4/16/2023 17:00	0.066	4.23	252.2	29.12	68.7	52.7
MS-12	14	4/16/2023 17:00	0.028	3.19	215.4	29.17	68.7	52.1
MS-08	14	4/16/2023 18:00	0.075	4.23	251.6	29.11	65.4	59.6
MS-12	14	4/16/2023 18:00	0.037	2.63	212	29.17	65.3	60
MS-08	14	4/16/2023 19:00	0.075	3.37	267.2	29.11	60.6	70.4
MS-12	14	4/16/2023 19:00	0.038	2.18	314.6	29.17	61.2	69.9
MS-08	14	4/16/2023 20:00	0.07	2.04	283.6	29.12	57.3	76.8
MS-12	14	4/16/2023 20:00	0.037	1.19	24.5	29.17	56.6	79.1
MS-08	14	4/16/2023 21:00	0.06	2.36	240	29.13	53.9	82.4
MS-12	14	4/16/2023 21:00	0.031	1.15	112	29.19	53.1	84.9
MS-08	14	4/16/2023 22:00	0.039	1.44	235.2	29.13	50.4	87

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	14	4/16/2023 22:00	0.021	1.07	16.7	29.19	50.1	88.5
MS-08	14	4/16/2023 23:00	0.019	1.78	247.9	29.12	48	90
MS-08	15	4/17/2023 7:00	0.005	1.51	65	29.09	45.5	94.5
MS-08	15	4/17/2023 8:00	0.04	1.49	65.1	29.09	51.9	87.9
MS-12	15	4/17/2023 8:00	0.021	2.35	142.3	29.15	50.4	91
MS-08	15	4/17/2023 9:00	0.065	3.1	197.3	29.09	57.2	79.1
MS-12	15	4/17/2023 9:00	0.034	3.6	177.4	29.15	56.2	83
MS-08	15	4/17/2023 10:00	0.06	4.51	243.7	29.09	56.4	78.4
MS-12	15	4/17/2023 10:00	0.032	3.97	181.8	29.15	57.5	76.6
MS-08	15	4/17/2023 11:00	0.059	4.77	244.9	29.09	57.4	76.1
MS-12	15	4/17/2023 11:00	0.03	4.41	226.9	29.15	58.6	74.5
MS-08	15	4/17/2023 12:00	0.06	4.98	229	29.08	59.6	71.8
MS-12	15	4/17/2023 12:00	0.033	4.05	285.4	29.13	61.6	68.6
MS-08	15	4/17/2023 13:00	0.061	5.42	228.2	29.06	60.4	69.6
MS-12	15	4/17/2023 13:00	0.031	4.52	277	29.12	62.6	66.2
MS-08	15	4/17/2023 14:00	0.05	4.59	261.5	29.05	60.7	67.2
MS-12	15	4/17/2023 14:00	0.026	4.16	267.2	29.11	62.1	65.3
MS-08	15	4/17/2023 15:00	0.048	4.83	264.8	29.04	61	66.1
MS-08	15	4/17/2023 16:00	0.047	4.43	257.5	29.03	59.7	69
MS-08	15	4/17/2023 17:00	0.048	3.8	263.6	29.02	58.3	72.4
MS-08	15	4/17/2023 18:00	0.043	3.85	264.9	29.03	55.6	77.9
MS-08	15	4/17/2023 19:00	0.04	3.74	253.4	29.04	53.1	84.1
MS-08	15	4/17/2023 20:00	0.038	2.75	257.2	29.04	52.4	86.3
MS-08	15	4/17/2023 21:00	0.037	1.92	241.6	29.05	52	87
MS-08	15	4/17/2023 22:00	0.039	1.65	235.7	29.06	52.6	86.6
MS-08	15	4/17/2023 23:00	0.041	1.5	203.6	29.07	53.2	85.8
MS-08	15	4/18/2023 0:00	0.038	1.58	251.2	29.08	53.3	85.2
MS-08	15	4/18/2023 1:00	0.032	1.5	262.6	29.08	53.3	84.2
MS-08	15	4/18/2023 2:00	0.033	1.34	222	29.08	53.1	85.1
MS-08	15	4/18/2023 3:00	0.034	1.42	231.1	29.06	51.7	87.9
MS-08	15	4/18/2023 4:00	0.028	1.06	241.5	29.07	51.1	89.5
MS-08	15	4/18/2023 5:00	0.031	1.11	237	29.08	51.3	90
MS-08	15	4/18/2023 6:00	0.03	1.26	225	29.09	50.8	90.6
MS-08	15	4/18/2023 7:00	0.033	1.84	197.1	29.1	51.3	90.6
MS-08	15	4/18/2023 8:00	0.016	2.02	167.4	29.11	53.6	80.8
MS-10	16	4/20/2023 1:00	0.004	3.18	15.2	29.46	54.7	45.4
MS-10	16	4/20/2023 2:00	0.032	2.2	1.3	29.45	52.9	48.4
MS-10	16	4/20/2023 3:00	0.018	2.33	358.1	29.45	53	46.4
MS-08	17	4/20/2023 16:00	0.002	3.99	60.3	29.23	79.3	19.7
MS-12	17	4/20/2023 16:00	0	4.76	325.5	29.28	79.4	19.6
MS-08	17	4/20/2023 17:00	0.091	3.84	325.2	29.23	77.7	25.4
MS-11	17	4/20/2023 17:00	0.029	6.18	351.7	28.97	77	22.4
MS-12	17	4/20/2023 17:00	0.053	5.3	332.2	29.28	77.3	25.7
MS-08	17	4/20/2023 18:00	0.045	4.11	301.8	29.24	73	25.5
MS-11	17	4/20/2023 18:00	0.055	8.09	338.1	28.99	71	28.1
MS-12	17	4/20/2023 18:00	0.043	4.54	334.4	29.29	72.7	27

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	17	4/20/2023 19:00	0	4.04	313.9	29.25	69	24.3
MS-11	17	4/20/2023 19:00	0.021	5.57	338.6	29	66.9	29.7
MS-12	17	4/20/2023 19:00	0.001	4.46	351.9	29.3	69.1	25.4
MS-08	18	4/20/2023 23:00	0	1.84	80	29.3	61.4	27.3
MS-06	18	4/21/2023 0:00	0.009	2.26	139.9	29.45	59.3	35.4
MS-08	18	4/21/2023 0:00	0.077	1.7	252.4	29.31	54.2	45.6
MS-10	18	4/21/2023 0:00	0	0.94	338.6	29.51	59	33.9
MS-12	18	4/21/2023 0:00	0.019	2.31	337.3	29.36	56	39.3
MS-06	18	4/21/2023 1:00	0.052	2.16	284.9	29.45	53.9	49
MS-08	18	4/21/2023 1:00	0.068	2.08	269	29.31	51.3	50.9
MS-10	18	4/21/2023 1:00	0.031	1.44	265.2	29.51	54.4	48.8
MS-11	18	4/21/2023 1:00	0.021	2.19	17.4	29.06	57.5	38.3
MS-12	18	4/21/2023 1:00	0.038	3.31	348.6	29.36	54.1	44
MS-06	18	4/21/2023 2:00	0.049	3.12	9.7	29.44	54.1	48.7
MS-08	18	4/21/2023 2:00	0.081	2.23	274.6	29.3	49.1	55.2
MS-10	18	4/21/2023 2:00	0.075	1.38	244.2	29.51	51.9	54.9
MS-11	18	4/21/2023 2:00	0.03	1.57	337.9	29.05	57.1	37.9
MS-12	18	4/21/2023 2:00	0.054	3.22	355.5	29.36	51.4	50.2
MS-06	18	4/21/2023 3:00	0.056	2.4	341.4	29.44	51.3	55.4
MS-08	18	4/21/2023 3:00	0.105	1.44	283.7	29.3	48.5	59.4
MS-10	18	4/21/2023 3:00	0.058	1	337.1	29.51	50.1	58
MS-11	18	4/21/2023 3:00	0.033	1.66	177.8	29.05	53.8	43.4
MS-12	18	4/21/2023 3:00	0.088	2.14	336.4	29.36	50.7	54.4
MS-06	18	4/21/2023 4:00	0.063	2	251.3	29.44	48.2	62.8
MS-08	18	4/21/2023 4:00	0.141	2.1	251	29.3	46.6	66.3
MS-10	18	4/21/2023 4:00	0.043	0.94	317.8	29.51	47.9	63.3
MS-11	18	4/21/2023 4:00	0.022	1.67	169.9	29.05	55.4	39.3
MS-12	18	4/21/2023 4:00	0.094	3.43	346.1	29.36	48.9	59.3
MS-06	18	4/21/2023 5:00	0.063	2.09	273	29.44	47.4	65.6
MS-08	18	4/21/2023 5:00	0.151	2.28	263.2	29.29	45	71.8
MS-10	18	4/21/2023 5:00	0.046	0.98	303.5	29.51	47.2	65.8
MS-11	18	4/21/2023 5:00	0.033	1.28	215.6	29.05	55.2	40.5
MS-12	18	4/21/2023 5:00	0.111	3.44	350.3	29.35	47	65.6
MS-06	18	4/21/2023 6:00	0.061	2.55	341.5	29.45	48.7	62.9
MS-08	18	4/21/2023 6:00	0.157	2.12	258.9	29.31	45	73
MS-10	18	4/21/2023 6:00	0.044	1.82	257.3	29.52	48.3	63.3
MS-11	18	4/21/2023 6:00	0.05	1.23	266.1	29.06	56.3	40.8
MS-12	18	4/21/2023 6:00	0.121	3.31	351.8	29.37	46.3	68.9
MS-06	18	4/21/2023 7:00	0.058	2.85	67.9	29.46	53.7	53.4
MS-08	18	4/21/2023 7:00	0.191	1.99	251.3	29.32	49	67.4
MS-10	18	4/21/2023 7:00	0.06	1.89	234.2	29.53	52.9	57
MS-11	18	4/21/2023 7:00	0.073	1.43	112.5	29.07	61.3	36.8
MS-12	18	4/21/2023 7:00	0.127	3.37	7	29.38	51.2	60.4
MS-06	18	4/21/2023 8:00	0.044	1.87	84.1	29.46	61.5	39.8
MS-08	18	4/21/2023 8:00	0.175	1.38	214.7	29.32	59.3	46.8
MS-10	18	4/21/2023 8:00	0.06	1.86	208.1	29.53	61	44.5

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-11	18	4/21/2023 8:00	0.067	1.53	292.7	29.07	66.4	33
MS-12	18	4/21/2023 8:00	0.129	2.38	13	29.38	61.1	44.8
MS-06	18	4/21/2023 9:00	0.054	2.29	97.2	29.44	69	34
MS-08	18	4/21/2023 9:00	0.178	1.93	128.6	29.31	69.7	36.3
MS-10	18	4/21/2023 9:00	0.066	1.92	202	29.51	69.9	35.9
MS-11	18	4/21/2023 9:00	0.079	2.03	32.5	29.06	71.4	30.1
MS-12	18	4/21/2023 9:00	0.146	1.75	127.9	29.36	70.4	36.3
MS-06	18	4/21/2023 10:00	0.045	2.62	83.3	29.42	75.9	27
MS-08	18	4/21/2023 10:00	0.182	2.8	117.3	29.29	75.4	31
MS-10	18	4/21/2023 10:00	0.05	2.11	135.6	29.49	77.1	29.2
MS-11	18	4/21/2023 10:00	0.107	2.78	33.5	29.05	75.8	27.8
MS-12	18	4/21/2023 10:00	0.125	2.79	152.8	29.34	76.5	29.1
MS-06	18	4/21/2023 11:00	0.03	4.86	69.3	29.4	81.3	20.9
MS-08	18	4/21/2023 11:00	0.066	3.52	65.9	29.27	80.9	22.1
MS-10	18	4/21/2023 11:00	0.022	3.6	32.4	29.46	82.8	20.4
MS-11	18	4/21/2023 11:00	0.086	3.46	22.2	29.03	80.1	24
MS-12	18	4/21/2023 11:00	0.045	4.05	281.7	29.32	81.6	21.5
MS-06	18	4/21/2023 12:00	0	8.28	27.7	29.37	83.3	15.5
MS-08	18	4/21/2023 12:00	0	4.52	62	29.25	84.1	17
MS-11	18	4/21/2023 12:00	0.043	3.99	41.1	29	82.6	19.4
MS-12	18	4/21/2023 12:00	0	4.45	282.1	29.29	84.7	16.4
MS-11	18	4/21/2023 13:00	0	3.94	22.6	28.97	85.3	16.5
MS-08	19	4/21/2023 15:00	0	2.75	94.8	29.15	88.7	16.2
MS-11	19	4/21/2023 15:00	0.002	2.79	324.4	28.91	87.7	16.5
MS-12	19	4/21/2023 15:00	0	3.6	331.3	29.2	89	16.3
MS-06	19	4/21/2023 16:00	0.026	6.22	234.7	29.25	88	19.4
MS-08	19	4/21/2023 16:00	0.101	3.75	274	29.13	86.9	21.6
MS-10	19	4/21/2023 16:00	0.023	2.44	302.3	29.31	88	20.5
MS-11	19	4/21/2023 16:00	0.09	4.09	279.9	28.88	86.3	21.4
MS-12	19	4/21/2023 16:00	0.069	3.18	235.3	29.18	87.7	21.2
MS-06	19	4/21/2023 17:00	0.057	8.68	223.2	29.25	83	25.1
MS-08	19	4/21/2023 17:00	0.177	3.5	249	29.13	83.1	26.2
MS-10	19	4/21/2023 17:00	0.065	5.06	244.9	29.31	83.1	26.8
MS-11	19	4/21/2023 17:00	0.245	4.6	262.1	28.88	81	29.6
MS-12	19	4/21/2023 17:00	0.134	3.93	196.8	29.18	82.8	26.8
MS-06	19	4/21/2023 18:00	0.067	6.42	234.5	29.25	80.1	28.7
MS-08	19	4/21/2023 18:00	0.197	3.13	260.8	29.13	79.2	30.3
MS-10	19	4/21/2023 18:00	0.063	3.68	236.4	29.31	79.8	29.9
MS-11	19	4/21/2023 18:00	0.212	3.91	265.4	28.88	77.1	31.4
MS-12	19	4/21/2023 18:00	0.158	2.07	283.7	29.18	78.5	31.5
MS-06	19	4/21/2023 19:00	0.048	3.59	274	29.27	76.3	27.6
MS-08	19	4/21/2023 19:00	0.145	3.4	265.7	29.14	74.1	31.9
MS-10	19	4/21/2023 19:00	0.045	1.53	320.4	29.33	76	30.4
MS-11	19	4/21/2023 19:00	0.185	2.35	249.5	28.89	73.1	33.6
MS-12	19	4/21/2023 19:00	0.119	2.13	342.1	29.19	74.8	31
MS-06	19	4/21/2023 20:00	0.049	3.64	342.6	29.28	73.7	31.3

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	19	4/21/2023 20:00	0.254	2.82	252.5	29.15	63.9	50.8
MS-10	19	4/21/2023 20:00	0.038	1.7	346.6	29.34	72.3	33.5
MS-11	19	4/21/2023 20:00	0.133	6.71	338.7	28.9	70.7	34
MS-12	19	4/21/2023 20:00	0.159	2.97	358.3	29.2	68	42.7
MS-06	19	4/21/2023 21:00	0.066	3.09	242.7	29.28	67.6	40.7
MS-08	19	4/21/2023 21:00	0.233	2.48	256	29.15	60.4	56.1
MS-10	19	4/21/2023 21:00	0.032	2.22	330.8	29.34	70.9	34.5
MS-11	19	4/21/2023 21:00	0.129	4.7	335.6	28.91	69.2	35.5
MS-12	19	4/21/2023 21:00	0.181	2.67	348.2	29.21	62.5	52.5
MS-06	19	4/21/2023 22:00	0.071	2.64	275.8	29.28	65	44.8
MS-08	19	4/21/2023 22:00	0.221	1.98	253.2	29.15	58.4	59.2
MS-10	19	4/21/2023 22:00	0.041	1.61	324.4	29.34	69.2	37.3
MS-11	19	4/21/2023 22:00	0.117	4.7	351.9	28.9	69.1	35.7
MS-12	19	4/21/2023 22:00	0.178	2.12	350.9	29.2	59.1	59.2
MS-06	19	4/21/2023 23:00	0.068	2.26	266.3	29.27	62.5	48
MS-08	19	4/21/2023 23:00	0.205	2.75	263.3	29.14	57.3	60.5
MS-10	19	4/21/2023 23:00	0.046	1.36	302.3	29.33	67.6	40.6
MS-11	19	4/21/2023 23:00	0.131	3.85	350.5	28.9	68.2	37.5
MS-12	19	4/21/2023 23:00	0.167	1.81	341.2	29.2	57.5	61.6
MS-06	19	4/22/2023 0:00	0.065	2.87	239.3	29.27	62.1	49.5
MS-08	19	4/22/2023 0:00	0.201	1.62	250	29.14	55.2	65.2
MS-10	19	4/22/2023 0:00	0.05	1.25	317	29.33	65.2	44.8
MS-11	19	4/22/2023 0:00	0.119	3.75	30.3	28.89	67.1	38.8
MS-12	19	4/22/2023 0:00	0.156	2.29	334	29.19	55.1	65.9
MS-06	19	4/22/2023 1:00	0.054	3.2	34.3	29.26	61.7	47.6
MS-08	19	4/22/2023 1:00	0.189	2.3	261.1	29.12	54.1	67.3
MS-10	19	4/22/2023 1:00	0.045	1.53	300.8	29.32	60.8	50.2
MS-11	19	4/22/2023 1:00	0.164	2.79	86.7	28.87	61.6	49.5
MS-12	19	4/22/2023 1:00	0.148	2.22	327.4	29.18	54.3	67.2
MS-06	19	4/22/2023 2:00	0.053	2.73	324.1	29.24	58.7	53.3
MS-08	19	4/22/2023 2:00	0.173	1.8	272.6	29.1	53.1	69
MS-10	19	4/22/2023 2:00	0.057	1.04	325	29.31	56.6	59.9
MS-11	19	4/22/2023 2:00	0.154	3	101.4	28.86	61.4	48.2
MS-12	19	4/22/2023 2:00	0.14	1.66	343.9	29.16	52.5	71.6
MS-06	19	4/22/2023 3:00	0.054	2.18	277.8	29.23	56.9	58.1
MS-08	19	4/22/2023 3:00	0.16	2.24	266.1	29.09	51.3	72.7
MS-10	19	4/22/2023 3:00	0.047	1.01	337.4	29.3	55.5	61.3
MS-11	19	4/22/2023 3:00	0.126	2.26	136.6	28.84	60.9	49.1
MS-12	19	4/22/2023 3:00	0.129	2.1	354.9	29.15	52.2	71.9
MS-06	19	4/22/2023 4:00	0.05	2.99	28.4	29.22	56.5	59.5
MS-08	19	4/22/2023 4:00	0.144	2.23	260.8	29.08	49.6	76.1
MS-10	19	4/22/2023 4:00	0.046	0.89	313.1	29.29	53.5	66.4
MS-11	19	4/22/2023 4:00	0.125	2.36	110.6	28.83	58.6	53
MS-12	19	4/22/2023 4:00	0.115	2.93	353.1	29.14	51.5	72.7
MS-06	19	4/22/2023 5:00	0.046	2	256.3	29.21	54.1	63.3
MS-08	19	4/22/2023 5:00	0.129	2.59	260	29.07	48.4	78.4

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-10	19	4/22/2023 5:00	0.042	0.78	339.2	29.28	51.7	70.1
MS-11	19	4/22/2023 5:00	0.114	3.16	96.7	28.82	57.2	55.5
MS-12	19	4/22/2023 5:00	0.103	2.5	344.3	29.13	49.7	75.8
MS-06	19	4/22/2023 6:00	0.046	1.93	252.8	29.22	52.2	69.2
MS-08	19	4/22/2023 6:00	0.117	2.28	256.9	29.08	47.7	80.8
MS-10	19	4/22/2023 6:00	0.043	0.75	345.7	29.28	50.8	74.2
MS-11	19	4/22/2023 6:00	0.086	1.89	171	28.83	58.4	51.7
MS-12	19	4/22/2023 6:00	0.095	3.13	357.2	29.13	49.4	77.4
MS-06	19	4/22/2023 7:00	0.043	2.37	55	29.22	58	58.4
MS-08	19	4/22/2023 7:00	0.15	1.77	248.4	29.08	51.7	77.6
MS-10	19	4/22/2023 7:00	0.043	0.97	216	29.29	58	60.7
MS-11	19	4/22/2023 7:00	0.083	1.75	346	28.83	65.6	42.8
MS-12	19	4/22/2023 7:00	0.103	2.51	356.6	29.14	53.7	71.5
MS-06	19	4/22/2023 8:00	0.042	1.92	99.9	29.21	65.6	48.2
MS-08	19	4/22/2023 8:00	0.177	1.38	247.6	29.07	63.2	57.3
MS-10	19	4/22/2023 8:00	0.044	1.9	196.5	29.27	66.2	48.5
MS-11	19	4/22/2023 8:00	0.098	2.63	350	28.83	69.7	40
MS-12	19	4/22/2023 8:00	0.121	2.21	24.9	29.13	65.7	53.7
MS-06	19	4/22/2023 9:00	0.038	2.94	105.9	29.19	74.2	37.2
MS-08	19	4/22/2023 9:00	0.13	2.74	63.4	29.06	75.5	36.5
MS-10	19	4/22/2023 9:00	0.039	2.08	206.8	29.25	75.3	37.7
MS-11	19	4/22/2023 9:00	0.118	1.74	336	28.81	75	36.3
MS-12	19	4/22/2023 9:00	0.092	3.05	230.9	29.11	76	37
MS-06	19	4/22/2023 10:00	0.02	7.81	26.6	29.17	80.4	27.5
MS-08	19	4/22/2023 10:00	0.069	3.79	60.8	29.05	80.3	29.2
MS-10	19	4/22/2023 10:00	0.019	3.57	16.3	29.23	82.6	27.4
MS-11	19	4/22/2023 10:00	0.107	3.36	344.6	28.8	79	32.3
MS-12	19	4/22/2023 10:00	0.035	5.1	323.6	29.09	80.7	29
MS-08	19	4/22/2023 11:00	0.024	5.08	64.3	29.04	83	25.2
MS-11	19	4/22/2023 11:00	0.05	6.44	358.6	28.79	82.1	26.7
MS-12	19	4/22/2023 11:00	0	5.91	302.1	29.09	83.3	24.8
MS-11	19	4/22/2023 12:00	0.018	6.72	356.7	28.78	83.2	24.9
MS-08	20	4/22/2023 14:00	0	3.05	64	28.97	87.5	20.3
MS-11	20	4/22/2023 14:00	0.013	3.83	9.2	28.73	86.5	22.9
MS-08	20	4/22/2023 15:00	0.047	3.39	325.3	28.95	87.1	24.6
MS-11	20	4/22/2023 15:00	0.045	4.04	280.2	28.7	86.1	26
MS-12	20	4/22/2023 15:00	0.026	3.24	239.4	28.99	88.8	24.1
MS-08	20	4/22/2023 16:00	0.182	4.49	237.6	28.93	83.6	35.4
MS-11	20	4/22/2023 16:00	0.202	4.86	259.3	28.69	82.5	38.8
MS-12	20	4/22/2023 16:00	0.114	3.55	250.8	28.98	84.9	34.5
MS-08	20	4/22/2023 17:00	0.177	4.64	245.5	28.93	80.8	38.2
MS-11	20	4/22/2023 17:00	0.179	5.36	245.8	28.68	80.1	39
MS-12	20	4/22/2023 17:00	0.112	3.44	213	28.98	81	38.9
MS-08	20	4/22/2023 18:00	0.172	3.55	249.5	28.93	77.6	41.4
MS-11	20	4/22/2023 18:00	0.166	3.16	275.2	28.68	76.8	43.2
MS-12	20	4/22/2023 18:00	0.109	2.67	306.9	28.98	77.4	42.6

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	20	4/22/2023 19:00	0.172	2.28	261.9	28.94	72.5	49.2
MS-11	20	4/22/2023 19:00	0.169	3.13	239	28.69	71.4	52.1
MS-12	20	4/22/2023 19:00	0.111	1.53	5.5	28.99	72.4	50.4
MS-08	20	4/22/2023 20:00	0.185	2.65	253.2	28.95	64.6	64.9
MS-11	20	4/22/2023 20:00	0.162	1.73	220.6	28.71	67.9	58
MS-12	20	4/22/2023 20:00	0.11	1.81	351.3	29	66.5	62.6
MS-08	20	4/22/2023 21:00	0.17	2.33	252.4	28.96	61.2	70.5
MS-11	20	4/22/2023 21:00	0.137	1.26	240.9	28.72	66.6	55.9
MS-12	20	4/22/2023 21:00	0.105	1.81	342.1	29.02	62.4	70.3
MS-08	20	4/22/2023 22:00	0.151	2.03	258.9	28.96	59	72.1
MS-11	20	4/22/2023 22:00	0.091	2.1	53.3	28.72	67.1	49.7
MS-12	20	4/22/2023 22:00	0.095	2.31	340.1	29.01	59.8	73.1
MS-08	20	4/22/2023 23:00	0.138	1.97	249.8	28.95	57.3	75
MS-11	20	4/22/2023 23:00	0.052	3.15	15.5	28.7	69.1	45.5
MS-12	20	4/22/2023 23:00	0.085	1.82	329.7	29	58.1	74.4
MS-08	20	4/23/2023 0:00	0.129	2.09	252	28.94	56.7	76.4
MS-11	20	4/23/2023 0:00	0.086	2.63	64.2	28.7	66.3	52.9
MS-12	20	4/23/2023 0:00	0.076	1.9	330.2	29	57	76.1
MS-08	20	4/23/2023 1:00	0.118	1.83	250.6	28.94	56.1	77
MS-11	20	4/23/2023 1:00	0.068	1.71	60.1	28.69	65.8	51.9
MS-12	20	4/23/2023 1:00	0.069	2.13	329.3	28.99	56.3	77
MS-08	20	4/23/2023 2:00	0.095	2.03	253.3	28.93	53.7	79.7
MS-11	20	4/23/2023 2:00	0.046	1.91	34.5	28.68	64.9	53.1
MS-12	20	4/23/2023 2:00	0.056	2.64	344.2	28.98	54.9	77.7
MS-08	20	4/23/2023 3:00	0.075	1.83	253.9	28.93	52.3	81.4
MS-11	20	4/23/2023 3:00	0.048	1.37	336.6	28.68	63.4	56.2
MS-12	20	4/23/2023 3:00	0.046	1.89	328.7	28.98	52.8	81
MS-08	20	4/23/2023 4:00	0.065	1.61	254.1	28.94	51.2	83.6
MS-11	20	4/23/2023 4:00	0.048	1.41	112.3	28.69	62.4	59.5
MS-12	20	4/23/2023 4:00	0.038	2.26	336.1	28.99	51.6	82.8
MS-08	20	4/23/2023 5:00	0.056	1.5	266.3	28.94	50.8	84.6
MS-11	20	4/23/2023 5:00	0.045	1.24	60.8	28.69	61.6	61.6
MS-12	20	4/23/2023 5:00	0.029	2.06	325.7	28.99	50.5	84.3
MS-08	20	4/23/2023 6:00	0.052	1.65	251	28.94	50.3	86.9
MS-11	20	4/23/2023 6:00	0.047	1.61	119.6	28.69	60.3	64.9
MS-12	20	4/23/2023 6:00	0.028	2.62	343.6	29	50.6	85.4
MS-08	20	4/23/2023 7:00	0.074	1.45	253.7	28.95	55.4	80.3
MS-11	20	4/23/2023 7:00	0.056	1.75	57.9	28.7	63.1	61.8
MS-12	20	4/23/2023 7:00	0.037	1.86	359.7	29.01	54.6	80.7
MS-08	20	4/23/2023 8:00	0.074	1.58	343.4	28.96	64.4	61.5
MS-11	20	4/23/2023 8:00	0.052	1.87	15.7	28.71	69.1	53
MS-12	20	4/23/2023 8:00	0.039	1.89	100.3	29.01	65.1	60.3
MS-08	20	4/23/2023 9:00	0.068	3.04	217.6	28.96	71.4	49.2
MS-11	20	4/23/2023 9:00	0.043	2.1	84.3	28.71	72.8	46.9
MS-12	20	4/23/2023 9:00	0.035	3.55	155.2	29.01	72.1	49.1
MS-08	20	4/23/2023 10:00	0.057	4.02	212.2	28.95	75.4	41.6

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-11	20	4/23/2023 10:00	0.031	3.65	247.1	28.71	75	42.5
MS-12	20	4/23/2023 10:00	0.027	3.8	186	29	76.7	41.2
MS-08	20	4/23/2023 11:00	0.021	4.34	221.3	28.94	77.4	37.7
MS-11	20	4/23/2023 11:00	0.039	5.27	242	28.7	75.9	41.7
MS-12	20	4/23/2023 11:00	0.012	3.82	226.6	28.99	79.7	36.3
MS-08	20	4/23/2023 12:00	0.081	5.22	225.4	28.93	77.6	43.8
MS-11	20	4/23/2023 12:00	0.063	5.14	255	28.69	78	45.8
MS-12	20	4/23/2023 12:00	0.042	4.21	218.7	28.98	80.4	42
MS-08	20	4/23/2023 13:00	0.082	5.41	235	28.93	77	44.5
MS-11	20	4/23/2023 13:00	0.053	5.48	260.7	28.68	78.2	43.9
MS-12	20	4/23/2023 13:00	0.04	4.24	260.6	28.98	79.7	42.4
MS-08	20	4/23/2023 14:00	0.066	4.81	237.6	28.92	77.9	41.8
MS-11	20	4/23/2023 14:00	0.034	5.48	256.6	28.67	78.2	40.1
MS-12	20	4/23/2023 14:00	0.029	4.6	194.3	28.97	80.2	39.7
MS-08	20	4/23/2023 15:00	0.068	4.36	238.7	28.91	78.2	42.4
MS-11	20	4/23/2023 15:00	0.019	5.21	271.7	28.66	78.5	38.6
MS-12	20	4/23/2023 15:00	0.034	3.88	214.2	28.96	80.8	40.5
MS-08	20	4/23/2023 16:00	0.064	4.1	240.4	28.91	77.5	42.9
MS-11	20	4/23/2023 16:00	0.043	5.09	259.2	28.66	76.6	46.2
MS-12	20	4/23/2023 16:00	0.033	4.28	203.1	28.95	78.8	43.2
MS-08	20	4/23/2023 17:00	0.078	3.16	261.5	28.91	76.3	47.4
MS-11	20	4/23/2023 17:00	0.049	4.25	254.5	28.66	74.4	51.4
MS-12	20	4/23/2023 17:00	0.034	2.89	244.8	28.96	75.9	48.8
MS-08	20	4/23/2023 18:00	0.08	3.1	255.1	28.91	72.3	54.8
MS-11	20	4/23/2023 18:00	0.045	4.36	244	28.67	69	61.9
MS-12	20	4/23/2023 18:00	0.033	2.11	305.9	28.96	72.4	55.6
MS-08	20	4/23/2023 19:00	0.077	2.17	230.3	28.92	66.6	64
MS-11	20	4/23/2023 19:00	0.04	5.82	229.1	28.67	64.1	70.5
MS-12	20	4/23/2023 19:00	0.032	1.73	153.6	28.97	67.8	62.7
MS-08	20	4/23/2023 20:00	0.071	1.93	237	28.94	60.9	74.4
MS-11	20	4/23/2023 20:00	0.038	4.77	229.8	28.69	61.3	76.2
MS-12	20	4/23/2023 20:00	0.032	1.47	96.7	29	62	73.9
MS-08	20	4/23/2023 21:00	0.061	1.67	228.4	28.96	57.4	80.7
MS-11	20	4/23/2023 21:00	0.033	3.05	223.1	28.71	60.9	76.2
MS-12	20	4/23/2023 21:00	0.03	1.24	89	29.02	58.2	81.2
MS-08	20	4/23/2023 22:00	0.052	1.57	227.4	28.97	54.7	85.6
MS-11	20	4/23/2023 22:00	0.029	2.7	225.7	28.72	58.2	80.6
MS-12	20	4/23/2023 22:00	0.027	1.28	78.1	29.02	54.9	86
MS-08	20	4/23/2023 23:00	0.046	1.73	253.4	28.96	53.5	87.8
MS-08	20	4/24/2023 0:00	0.035	1.6	238.5	28.97	52.1	89.1
MS-08	20	4/24/2023 1:00	0.022	1.19	227.5	28.98	50.7	90.7
MS-08	21	4/24/2023 6:00	0.021	1.9	257.9	29	49.3	96.5
MS-08	21	4/24/2023 7:00	0.037	1.92	42.6	29.01	50.9	96.9
MS-08	21	4/24/2023 8:00	0.047	3.01	38.5	29.02	55.9	89
MS-08	21	4/24/2023 9:00	0.05	3.44	188.1	29.02	62.8	73.1
MS-08	21	4/24/2023 10:00	0.054	4.88	152.1	29.01	67.3	64.4

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	21	4/24/2023 11:00	0.052	5.34	222.7	29	70.9	56.7
MS-08	21	4/24/2023 12:00	0.049	6.37	243.1	28.99	70.1	58.2
MS-08	21	4/24/2023 13:00	0.046	4.84	247	28.99	72.8	53.5
MS-08	21	4/24/2023 14:00	0.042	4.98	242.4	28.98	74.8	49.8
MS-08	21	4/24/2023 15:00	0.046	4.51	232.2	28.96	76.2	49.2
MS-08	21	4/24/2023 16:00	0.042	4.59	239.4	28.95	75.6	49.9
MS-08	21	4/24/2023 17:00	0.041	4.8	231.1	28.95	73.1	53.7
MS-08	21	4/24/2023 18:00	0.042	3.33	232.2	28.96	70.2	58.5
MS-08	21	4/24/2023 19:00	0.04	2.2	245.4	28.97	64.9	68.1
MS-08	21	4/24/2023 20:00	0.037	1.45	227.7	28.99	60	77
MS-08	21	4/24/2023 21:00	0.029	1.62	231.3	29.01	56.1	84.3
MS-08	22	4/25/2023 9:00	0.029	2.11	71	29.03	57.8	84.3
MS-08	22	4/25/2023 10:00	0.03	2.9	203.7	29.03	63.2	72
MS-08	22	4/25/2023 11:00	0.028	4.36	215.5	29.03	66.7	63.8
MS-08	22	4/25/2023 12:00	0.035	3.52	231.7	29.02	70.4	59.8
MS-08	22	4/25/2023 13:00	0.034	4	239.7	29	72.4	57.2
MS-08	22	4/25/2023 14:00	0.036	3.67	256.1	28.99	73.2	56.2
MS-08	22	4/25/2023 15:00	0.035	4.42	254.4	28.98	72.4	57.3
MS-08	22	4/25/2023 16:00	0.034	3.72	262.1	28.98	71.7	59.3
MS-08	22	4/25/2023 17:00	0.033	3.18	251.8	28.99	70.5	61.7
MS-08	22	4/25/2023 18:00	0.031	3.39	249.1	29	67.4	66.3
MS-08	22	4/25/2023 19:00	0.027	2.5	248.5	29.02	63	73.2
MS-08	23	4/26/2023 15:00	0.02	3.63	261.3	29.04	85.1	34.6
MS-08	23	4/26/2023 16:00	0.035	4.46	255.3	29.03	82.3	38.4
MS-08	23	4/26/2023 17:00	0.001	4.55	246.4	29.03	80	32.7
MS-08	24	4/27/2023 11:00	0	2.82	228	29.07	83.5	28
MS-08	24	4/27/2023 12:00	0.033	4.11	234.2	29.06	83.9	33.5
MS-08	24	4/27/2023 13:00	0.064	4.08	235	29.04	84.5	34.9
MS-08	24	4/27/2023 14:00	0.003	5.19	231.2	29.03	84.3	28
MS-08	24	4/27/2023 15:00	0.011	5.27	227.2	29.01	82.8	31.4
MS-08	24	4/27/2023 16:00	0.031	5.35	243.1	29.01	80.4	35.7
MS-08	24	4/27/2023 17:00	0.045	3.35	257.8	29.01	79.4	37.4
MS-08	24	4/27/2023 18:00	0.032	2.27	249.5	29.02	77	38.6
MS-08	24	4/27/2023 19:00	0.05	2.92	245.9	29.03	68.7	51.6
MS-12	24	4/27/2023 19:00	0.024	1.55	155.4	29.08	70	51.4
MS-08	24	4/27/2023 20:00	0.062	1.71	243.6	29.05	62.5	64.9
MS-12	24	4/27/2023 20:00	0.039	1.9	135.3	29.1	61.5	73.6
MS-08	24	4/27/2023 21:00	0.07	2.09	233	29.06	58.1	77.2
MS-12	24	4/27/2023 21:00	0.038	1.08	76	29.12	57.1	81.7
MS-08	24	4/27/2023 22:00	0.065	1.89	238.3	29.07	56.2	80.5
MS-12	24	4/27/2023 22:00	0.036	0.88	354.4	29.12	55.2	83.5
MS-08	24	4/27/2023 23:00	0.064	1.65	233.3	29.07	54.5	84.4
MS-12	24	4/27/2023 23:00	0.032	0.85	4.6	29.13	53.4	85.3
MS-08	24	4/28/2023 0:00	0.059	1.66	228.5	29.07	53.1	87.5
MS-12	24	4/28/2023 0:00	0.028	0.96	14	29.12	51.9	87.6
MS-08	24	4/28/2023 1:00	0.051	1.89	244.1	29.06	51.8	89.1

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	24	4/28/2023 2:00	0.04	1.91	249.4	29.05	50.9	89.3
MS-08	24	4/28/2023 3:00	0.028	1.54	250	29.05	49.9	89.9
MS-08	25	4/28/2023 6:00	0.004	1.63	249.3	29.08	47.9	91.3
MS-08	25	4/28/2023 7:00	0.03	1.14	248.7	29.1	51.9	88.2
MS-08	25	4/28/2023 8:00	0.024	1.32	97.8	29.1	62	64.5
MS-08	26	4/28/2023 10:00	0.018	2.09	61.6	29.09	76.6	39.9
MS-08	26	4/28/2023 11:00	0.045	2.73	195.2	29.08	82	38.5
MS-08	26	4/28/2023 12:00	0.059	5.42	230.8	29.07	80.8	41.6
MS-12	26	4/28/2023 12:00	0.029	4.83	224.8	29.12	83	40.7
MS-08	26	4/28/2023 13:00	0.071	4.72	244.4	29.06	80.8	45.1
MS-12	26	4/28/2023 13:00	0.03	4.03	245.9	29.12	82.6	43
MS-08	26	4/28/2023 14:00	0.066	4.46	257.6	29.07	81.6	44.8
MS-12	26	4/28/2023 14:00	0.025	4.49	234.7	29.12	82.8	43.5
MS-08	26	4/28/2023 15:00	0.061	3.99	265.7	29.06	82.1	43.5
MS-08	26	4/28/2023 16:00	0.05	3.67	251.2	29.06	81.9	39.7
MS-08	26	4/28/2023 17:00	0.051	3.65	261	29.06	80.2	42.5
MS-08	26	4/28/2023 18:00	0.053	3.3	250.7	29.07	75.8	49.4
MS-08	26	4/28/2023 19:00	0.056	1.65	244.5	29.07	71.1	58.8
MS-08	26	4/28/2023 20:00	0.055	1.46	214.4	29.1	64.6	71
MS-08	26	4/28/2023 21:00	0.05	1.46	225.5	29.13	59.7	79.7
MS-08	26	4/28/2023 22:00	0.045	1.61	223.8	29.14	56.5	85.7
MS-08	26	4/28/2023 23:00	0.039	1.58	236.4	29.15	55	88
MS-08	26	4/29/2023 0:00	0.033	1.15	211.7	29.15	53.7	89.6
MS-08	26	4/29/2023 1:00	0.02	1.21	237.8	29.14	51.9	89.8
MS-08	27	4/29/2023 7:00	0.013	1.43	33.4	29.16	52.1	91.6
MS-08	27	4/29/2023 8:00	0.034	1.79	69.2	29.16	58.9	81.5
MS-08	27	4/29/2023 9:00	0.031	1.84	48.9	29.15	68.3	59.4
MS-08	27	4/29/2023 10:00	0.036	2.35	59.6	29.13	75.4	49.6
MS-08	27	4/29/2023 11:00	0.042	2.57	147.9	29.12	81.7	44.2
MS-08	27	4/29/2023 12:00	0.043	3.99	216.8	29.1	84.2	40.7
MS-08	27	4/29/2023 13:00	0.043	3.68	241.7	29.1	84.8	40.8
MS-08	27	4/29/2023 14:00	0.038	3.63	278.4	29.09	85.5	37.7
MS-08	27	4/29/2023 15:00	0.021	3.24	248	29.07	85.7	34.7
MS-08	27	4/29/2023 16:00	0.031	3.37	257.4	29.06	85	38.5
MS-08	27	4/29/2023 17:00	0.041	3.52	269.5	29.05	82.4	43.8
MS-08	27	4/29/2023 18:00	0.041	2.96	244.8	29.05	78.4	51.7
MS-08	27	4/29/2023 19:00	0.04	1.69	212.9	29.05	71.5	63
MS-08	27	4/29/2023 20:00	0.04	1.14	212.7	29.07	64.2	74.6
MS-08	27	4/29/2023 21:00	0.034	1.79	331.8	29.1	59.4	80.6
MS-08	27	4/29/2023 22:00	0.026	1.4	69.2	29.11	56	85.7
MS-08	28	4/30/2023 8:00	0.023	1.96	51.9	29.04	56.7	86
MS-08	28	4/30/2023 9:00	0.034	2.68	85	29.04	64	72.4
MS-08	28	4/30/2023 10:00	0.039	4.64	139.5	29.03	66.5	69.3
MS-08	28	4/30/2023 11:00	0.039	4.47	242.5	29.02	69.2	64.4
MS-08	28	4/30/2023 12:00	0.036	4.75	233	29.01	71.4	60.1
MS-08	28	4/30/2023 13:00	0.035	5.11	223.7	29	72.9	56.7

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	28	4/30/2023 14:00	0.032	4.28	241.9	28.99	75.3	52.5
MS-08	28	4/30/2023 15:00	0.033	4.71	238.3	28.97	75	53.9
MS-08	28	4/30/2023 16:00	0.033	4.54	250.1	28.96	72.3	58
MS-08	28	4/30/2023 17:00	0.029	3.88	281.9	28.96	69.4	61.1
MS-08	29	5/3/2023 16:00	0.025	4.56	262.8	28.98	56.4	59
MS-08	29	5/3/2023 17:00	0.04	4.34	263.9	28.98	55.7	62
MS-08	29	5/3/2023 18:00	0.032	2.71	243.5	28.97	54.6	63.1
MS-08	29	5/3/2023 19:00	0.043	2.62	247.9	28.97	53	67.9
MS-08	29	5/3/2023 20:00	0.051	1.56	240.3	28.98	50.9	73.2
MS-08	29	5/3/2023 21:00	0.05	1.2	226.8	28.99	50.2	74.9
MS-08	29	5/3/2023 22:00	0.045	1.11	227.6	29	50.5	73.5
MS-08	29	5/3/2023 23:00	0.048	2.1	259.9	28.99	50.1	75
MS-12	29	5/3/2023 23:00	0.025	1.78	225.1	29.05	51	73
MS-08	29	5/4/2023 0:00	0.08	2.45	260.6	28.98	48.5	81.4
MS-11	29	5/4/2023 0:00	0.002	3.36	150.3	28.73	49.9	72.7
MS-12	29	5/4/2023 0:00	0.05	1.53	313.4	29.04	49.5	81.1
MS-08	29	5/4/2023 1:00	0.094	1.98	249.6	28.97	46.9	89.7
MS-11	29	5/4/2023 1:00	0.051	2.02	296	28.71	47.9	85.9
MS-12	29	5/4/2023 1:00	0.06	1.68	339.9	29.03	47.9	88.4
MS-08	29	5/4/2023 2:00	0.096	2.26	254.7	28.95	46.4	92
MS-11	29	5/4/2023 2:00	0.059	1.56	266.4	28.7	46.2	92.8
MS-12	29	5/4/2023 2:00	0.06	2.89	331.1	29.01	47.1	91.1
MS-08	29	5/4/2023 3:00	0.095	1.28	209	28.95	46.5	92.8
MS-11	29	5/4/2023 3:00	0.061	2.35	24.5	28.69	46.4	93.8
MS-12	29	5/4/2023 3:00	0.06	1.65	325.8	29.01	47.3	92
MS-08	29	5/4/2023 4:00	0.095	1.96	251.8	28.95	46.5	93.2
MS-11	29	5/4/2023 4:00	0.071	1.76	115.6	28.69	46.9	93.4
MS-12	29	5/4/2023 4:00	0.061	2.3	314	29	47.3	92.9
MS-08	29	5/4/2023 5:00	0.071	2.22	254.7	28.95	44.9	93
MS-11	29	5/4/2023 5:00	0.056	1.9	315.5	28.7	46	94.1
MS-12	29	5/4/2023 5:00	0.044	2.36	331.9	29.01	45.9	91.9
MS-08	29	5/4/2023 6:00	0.077	1.46	244.8	28.97	45.4	92.4
MS-11	29	5/4/2023 6:00	0.043	1.06	268.3	28.71	45.2	95.2
MS-12	29	5/4/2023 6:00	0.049	1.31	9.2	29.03	46.3	91.1
MS-08	29	5/4/2023 7:00	0.097	1.73	248.6	28.98	46.3	92.5
MS-11	29	5/4/2023 7:00	0.072	1.14	334.4	28.73	46.9	95.3
MS-12	29	5/4/2023 7:00	0.062	1.67	313	29.04	47.5	90.9
MS-08	29	5/4/2023 8:00	0.139	1.24	183.6	29.01	49.6	87.7
MS-11	29	5/4/2023 8:00	0.077	1.3	4	28.75	48.4	92.6
MS-12	29	5/4/2023 8:00	0.08	1.2	264.3	29.06	49.9	88
MS-08	29	5/4/2023 9:00	0.139	1.87	257.5	29.02	52.6	80.7
MS-11	29	5/4/2023 9:00	0.097	2.21	29.5	28.77	52.7	84.1
MS-12	29	5/4/2023 9:00	0.08	2.45	173.7	29.08	53.1	81.4
MS-08	29	5/4/2023 10:00	0.134	2.28	233	29.03	54.3	72.7
MS-11	29	5/4/2023 10:00	0.08	3.48	39.7	28.78	52.4	81.2
MS-12	29	5/4/2023 10:00	0.071	3.41	173.1	29.09	55.4	72.6

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	29	5/4/2023 11:00	0.124	2.36	237.6	29.05	54.5	72.2
MS-11	29	5/4/2023 11:00	0.069	6.49	121	28.8	53.3	75.3
MS-12	29	5/4/2023 11:00	0.067	2.92	180.9	29.1	55.3	73.1
MS-08	29	5/4/2023 12:00	0.096	2.33	252.5	29.06	54.9	71.2
MS-11	29	5/4/2023 12:00	0.072	4.48	134.2	28.81	53.1	77.8
MS-12	29	5/4/2023 12:00	0.052	3.42	169.8	29.12	54.8	74.3
MS-08	29	5/4/2023 13:00	0.071	2.49	359.8	29.06	56.6	68.4
MS-11	29	5/4/2023 13:00	0.065	5.33	176.1	28.81	53.2	78
MS-12	29	5/4/2023 13:00	0.053	2.74	163.4	29.12	56.5	71
MS-08	29	5/4/2023 14:00	0.025	3.12	253.9	29.07	56.7	65.1
MS-11	29	5/4/2023 14:00	0.065	3.89	185.9	28.82	54.4	74.9
MS-12	29	5/4/2023 14:00	0.018	3.27	199.9	29.12	57.6	65.5
MS-08	29	5/4/2023 15:00	0.024	3.35	257.5	29.06	56.4	66.5
MS-11	29	5/4/2023 15:00	0.042	2.27	234.5	28.81	55.6	71.4
MS-08	29	5/4/2023 16:00	0.057	2.86	251.4	29.07	54.6	75.7
MS-11	29	5/4/2023 16:00	0.012	4.36	219.9	28.81	55.3	70.4
MS-12	29	5/4/2023 16:00	0.029	3.19	198.9	29.13	55.2	75.6
MS-08	29	5/4/2023 17:00	0.065	3.89	279.3	29.07	53.3	81.3
MS-12	29	5/4/2023 17:00	0.031	2.96	286	29.13	54.6	79.6
MS-08	29	5/4/2023 18:00	0.041	2.7	275.8	29.07	54.2	75.7
MS-12	29	5/4/2023 18:00	0.018	2.62	234.8	29.13	54.7	75.6
MS-08	29	5/4/2023 19:00	0.031	2.14	268.7	29.09	53.1	77.9
MS-08	29	5/4/2023 20:00	0.035	1.91	255.2	29.11	51.7	82.4
MS-08	29	5/4/2023 21:00	0.028	2.39	245.1	29.12	50.9	83.5
MS-08	29	5/4/2023 22:00	0.023	1.89	239.7	29.13	50.7	83.5
MS-08	29	5/4/2023 23:00	0.031	0.82	234.7	29.13	49.5	87.9
MS-08	29	5/5/2023 0:00	0.035	0.98	219.9	29.13	49.8	88.4
MS-08	29	5/5/2023 1:00	0.036	0.81	0.2	29.12	49.7	89.5
MS-08	29	5/5/2023 2:00	0.039	1.03	213.8	29.11	49.3	90.7
MS-08	29	5/5/2023 3:00	0.032	1.22	234	29.11	48.3	92.1
MS-08	29	5/5/2023 4:00	0.021	1.46	263.6	29.12	47	93.3
MS-08	30	5/5/2023 21:00	0.028	2.04	245.9	29.21	52.6	79.4
MS-08	30	5/5/2023 22:00	0.032	1.51	240.8	29.21	52	81.6
MS-08	30	5/5/2023 23:00	0.033	2.12	255.8	29.2	49.8	86.4
MS-08	30	5/6/2023 0:00	0.035	1.44	211	29.2	50	86.6
MS-08	30	5/6/2023 1:00	0.031	1.39	236.7	29.2	48.6	89.5
MS-08	30	5/6/2023 2:00	0.025	1.37	243.6	29.19	47.5	90.7
MS-08	31	5/6/2023 7:00	0.016	1.46	265.3	29.19	47.3	92.3
MS-08	31	5/6/2023 8:00	0.037	1.98	62.1	29.2	52.6	81.9
MS-08	31	5/6/2023 9:00	0.03	2.37	76	29.2	57.5	69.4
MS-08	31	5/6/2023 10:00	0.025	3.08	267.4	29.21	59	64.4
MS-08	32	5/6/2023 16:00	0.003	4.21	227.8	29.17	63.7	52
MS-08	32	5/6/2023 17:00	0.034	4.04	243.4	29.18	60.8	61.2
MS-08	32	5/6/2023 18:00	0.026	3.48	248.9	29.19	57.6	65.8
MS-08	33	5/6/2023 20:00	0.025	1.94	236.8	29.21	54.3	73.5
MS-08	33	5/6/2023 21:00	0.041	1.84	235	29.22	51.8	81.5

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	33	5/6/2023 22:00	0.043	2.18	245.5	29.22	49.9	87.7
MS-08	33	5/6/2023 23:00	0.045	1.56	252.2	29.22	49.3	89.5
MS-08	33	5/7/2023 0:00	0.029	1.3	240.3	29.21	47.2	91.4
MS-08	34	5/7/2023 5:00	0.012	1.18	288.9	29.18	45.5	94.3
MS-08	34	5/7/2023 6:00	0.034	1.58	261.2	29.19	46.1	95.3
MS-08	34	5/7/2023 7:00	0.034	1.17	162.5	29.2	46.5	96
MS-12	34	5/7/2023 7:00	0.025	1.54	323.1	29.26	47.2	95.3
MS-08	34	5/7/2023 8:00	0.051	2.4	49.2	29.21	51.3	88.2
MS-12	34	5/7/2023 8:00	0.034	1.71	158.3	29.27	52.5	86.3
MS-08	34	5/7/2023 9:00	0.054	2.82	198.4	29.21	58.2	70.9
MS-12	34	5/7/2023 9:00	0.027	3.45	151.1	29.27	59.1	68.7
MS-08	34	5/7/2023 10:00	0.043	3.78	220.6	29.21	62.3	60
MS-08	34	5/7/2023 11:00	0.025	3.95	265.1	29.21	64.2	54.5
MS-08	34	5/7/2023 12:00	0.044	3.67	249.7	29.19	65.4	54.4
MS-08	34	5/7/2023 13:00	0.041	4.33	236.3	29.18	67.4	51
MS-08	34	5/7/2023 14:00	0.021	4.32	260.5	29.17	68.6	46.3
MS-08	35	5/7/2023 16:00	0.026	4.4	282.4	29.15	67.4	50
MS-08	35	5/7/2023 17:00	0.055	4.39	262.9	29.15	65.6	56.4
MS-08	35	5/7/2023 18:00	0.056	3.25	248.6	29.15	63.3	61
MS-12	35	5/7/2023 18:00	0.029	3.39	195.9	29.21	63.6	61
MS-08	35	5/7/2023 19:00	0.066	3.46	264	29.15	59.6	70.2
MS-12	35	5/7/2023 19:00	0.035	2.23	250.2	29.21	60.6	69.2
MS-08	35	5/7/2023 20:00	0.063	3.22	259	29.16	56.8	75.7
MS-12	35	5/7/2023 20:00	0.034	1.43	278.1	29.22	57.5	75.4
MS-08	35	5/7/2023 21:00	0.061	1.77	241.7	29.18	54.8	80.3
MS-12	35	5/7/2023 21:00	0.034	1.11	74	29.24	54.8	81.2
MS-08	35	5/7/2023 22:00	0.053	1.92	246.4	29.18	51.6	86.3
MS-12	35	5/7/2023 22:00	0.032	1.56	359.6	29.24	52	86.8
MS-08	35	5/7/2023 23:00	0.04	2.01	252	29.17	49.6	89.2
MS-12	35	5/7/2023 23:00	0.027	1.43	349.1	29.23	50.5	89.1
MS-08	35	5/8/2023 0:00	0.021	1.7	243.7	29.17	47.9	90.9
MS-08	36	5/8/2023 7:00	0.022	1.19	256.8	29.17	48.7	92.3
MS-08	36	5/8/2023 8:00	0.05	2.32	39.9	29.17	54.7	81.4
MS-08	36	5/8/2023 9:00	0.039	2.89	298.2	29.17	60.5	65.5
MS-08	36	5/8/2023 10:00	0.02	3.28	221.8	29.16	65.8	52.2
MS-08	36	5/8/2023 11:00	0.014	3.92	223	29.15	68.9	47.7
MS-08	36	5/8/2023 12:00	0.055	4.33	251.7	29.13	70.6	50.2
MS-08	36	5/8/2023 13:00	0.071	4.45	263.8	29.13	71.3	51.2
MS-08	36	5/8/2023 14:00	0.063	4.57	263.8	29.12	71	50.1
MS-08	36	5/8/2023 15:00	0.06	4.14	274.4	29.11	70.2	51
MS-12	36	5/8/2023 15:00	0.027	4.48	199.7	29.17	71.8	48.6
MS-08	36	5/8/2023 16:00	0.066	4.25	256.2	29.11	69.6	53.7
MS-12	36	5/8/2023 16:00	0.03	3.87	257.7	29.16	70.6	52.5
MS-08	36	5/8/2023 17:00	0.067	3.97	250.6	29.1	68.5	56.1
MS-12	36	5/8/2023 17:00	0.033	3.25	215.5	29.16	68.3	57
MS-08	36	5/8/2023 18:00	0.064	3.52	241.3	29.1	65.6	60.4

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-12	36	5/8/2023 18:00	0.031	2.8	266.8	29.16	65.9	60.6
MS-08	36	5/8/2023 19:00	0.054	2.68	255.9	29.11	61.8	66.6
MS-12	36	5/8/2023 19:00	0.028	1.67	222.4	29.17	62.6	66
MS-08	36	5/8/2023 20:00	0.058	1.92	249.8	29.12	58.5	74.8
MS-12	36	5/8/2023 20:00	0.03	1.17	56.4	29.18	58.9	74.8
MS-08	36	5/8/2023 21:00	0.058	1.35	244.4	29.13	55.9	80.9
MS-12	36	5/8/2023 21:00	0.03	0.95	353.5	29.18	55.4	82.4
MS-08	36	5/8/2023 22:00	0.047	1.7	245.7	29.13	52.7	86.5
MS-12	36	5/8/2023 22:00	0.026	1.14	353.3	29.18	52.8	86.7
MS-08	36	5/8/2023 23:00	0.036	1.95	247	29.12	50.9	89.1
MS-08	36	5/9/2023 0:00	0.022	1.76	240.3	29.12	49.3	90.6
MS-08	37	5/9/2023 7:00	0.026	1.6	252.2	29.12	51.1	90.8
MS-08	37	5/9/2023 8:00	0.039	2.55	57.4	29.12	56.3	79.9
MS-08	37	5/9/2023 9:00	0.045	3.55	234.5	29.13	57.9	76.4
MS-08	37	5/9/2023 10:00	0.044	3.33	237.8	29.14	57.4	77.3
MS-08	37	5/9/2023 11:00	0.044	3.28	230.2	29.14	58.8	73.9
MS-08	37	5/9/2023 12:00	0.044	3.23	207.7	29.13	60.2	70.8
MS-08	37	5/9/2023 13:00	0.05	3.74	259.5	29.12	61.7	68.9
MS-08	37	5/9/2023 14:00	0.045	3.77	232.8	29.1	62.8	65.5
MS-08	37	5/9/2023 15:00	0.035	4.16	239.5	29.09	61.9	65
MS-08	37	5/9/2023 16:00	0.023	4.32	255.5	29.07	61.4	64.1
MS-08	38	5/11/2023 7:00	0.014	1.37	237.9	29.15	48.7	91.7
MS-08	38	5/11/2023 8:00	0.033	2.42	51.4	29.15	53.9	82.2
MS-08	38	5/11/2023 9:00	0.028	2.32	43.9	29.14	59.3	68.4
MS-08	38	5/11/2023 10:00	0.034	3.59	273.6	29.13	63.3	61
MS-08	38	5/11/2023 11:00	0.049	4.04	223.9	29.12	65.8	58.4
MS-08	38	5/11/2023 12:00	0.052	4.17	255.4	29.11	68.2	54.7
MS-08	38	5/11/2023 13:00	0.054	4.22	228.8	29.09	69.8	52.5
MS-08	38	5/11/2023 14:00	0.06	4.41	261.3	29.08	70.5	52.5
MS-08	38	5/11/2023 15:00	0.061	4.7	262.7	29.07	70.3	53.2
MS-08	38	5/11/2023 16:00	0.058	4.27	266.9	29.05	69.6	54
MS-08	38	5/11/2023 17:00	0.061	3.92	248.8	29.05	68.5	56.9
MS-08	38	5/11/2023 18:00	0.06	3.5	265.5	29.05	65.5	62.1
MS-08	38	5/11/2023 19:00	0.054	3.41	250.7	29.07	61.5	69.1
MS-08	38	5/11/2023 20:00	0.05	2.12	245.9	29.09	58.6	74.9
MS-08	38	5/11/2023 21:00	0.046	1.72	237.7	29.1	55.6	80.9
MS-08	38	5/11/2023 22:00	0.038	1.73	240.5	29.11	52.9	85.2
MS-08	38	5/11/2023 23:00	0.027	1.87	240	29.1	50.9	88.9
MS-08	39	5/12/2023 7:00	0.026	1.47	60.2	29.11	51.7	90.5
MS-08	39	5/12/2023 8:00	0.042	1.83	46	29.11	57.6	79.6
MS-08	39	5/12/2023 9:00	0.058	2.2	94.8	29.1	65.3	66.3
MS-08	39	5/12/2023 10:00	0.059	2.92	231.3	29.09	70.5	56.7
MS-08	39	5/12/2023 11:00	0.056	4.56	220.2	29.08	73.4	51.6
MS-08	39	5/12/2023 12:00	0.059	4.78	209.4	29.07	76.9	47.8
MS-08	39	5/12/2023 13:00	0.069	4.8	216.6	29.05	78.1	49.8
MS-08	39	5/12/2023 14:00	0.065	4.71	225.4	29.04	78.2	50.1

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	39	5/12/2023 15:00	0.064	3.75	246.1	29.03	79.2	48.8
MS-08	39	5/12/2023 16:00	0.062	3.5	277.3	29.01	77.8	50.2
MS-08	39	5/12/2023 17:00	0.057	3.69	264.6	29.01	75.3	53.4
MS-08	39	5/12/2023 18:00	0.057	2.69	265.3	29.01	72.3	58.9
MS-08	39	5/12/2023 19:00	0.056	2.48	242.9	29.02	68.3	66.3
MS-08	39	5/12/2023 20:00	0.053	1.65	231.6	29.04	63.1	75.8
MS-08	39	5/12/2023 21:00	0.049	2.02	240.1	29.05	59.1	83.1
MS-08	39	5/12/2023 22:00	0.045	1.89	241.9	29.05	57	86.8
MS-08	39	5/12/2023 23:00	0.04	2.01	246.5	29.05	55.6	89
MS-08	39	5/13/2023 0:00	0.035	1.45	226.6	29.05	54.4	91
MS-08	39	5/13/2023 1:00	0.028	1.68	236.1	29.04	53.3	92.4
MS-08	40	5/13/2023 6:00	0.02	1.71	276.8	29.03	52.2	94
MS-08	40	5/13/2023 7:00	0.033	1.09	98.4	29.04	57.1	88.8
MS-08	40	5/13/2023 8:00	0.029	1.17	44.6	29.04	65.3	69.7
MS-08	41	5/13/2023 13:00	0	3.57	33.9	28.95	94.6	15.3
MS-08	41	5/13/2023 14:00	0.033	5.57	225	28.94	88.8	37.1
MS-08	41	5/13/2023 15:00	0.038	5.4	232	28.92	85.6	43.7
MS-08	41	5/13/2023 16:00	0.035	5.55	222.9	28.92	84.6	40.2
MS-08	41	5/13/2023 17:00	0.03	4.48	235.3	28.92	83.1	39.2
MS-08	41	5/13/2023 18:00	0.026	4.56	236.6	28.93	78.7	42.7
MS-08	41	5/13/2023 19:00	0.041	2.41	262.5	28.94	74.2	53.7
MS-08	41	5/13/2023 20:00	0.046	1.93	93.8	28.96	67.2	68.6
MS-08	41	5/13/2023 21:00	0.047	1.44	236.3	28.98	61.6	79.2
MS-08	41	5/13/2023 22:00	0.045	1.05	189	28.99	58.7	84.3
MS-08	41	5/13/2023 23:00	0.041	1.79	3.8	29	55.8	90.8
MS-08	41	5/14/2023 0:00	0.042	1.66	219.6	29.01	54.8	93.7
MS-08	41	5/14/2023 1:00	0.04	1.43	344.5	29	55.3	94.6
MS-08	41	5/14/2023 2:00	0.038	1.6	326.9	29	54.9	95
MS-08	41	5/14/2023 3:00	0.038	1.77	130.8	29.01	54.9	95.7
MS-08	41	5/14/2023 4:00	0.036	1.74	14.3	29.01	54.9	96
MS-08	41	5/14/2023 5:00	0.035	1.83	4.6	29.01	55.2	96
MS-08	41	5/14/2023 6:00	0.034	1.7	36.8	29.04	55.6	94.9
MS-08	41	5/14/2023 7:00	0.034	1.79	23.4	29.06	56.3	92.7
MS-08	41	5/14/2023 8:00	0.031	2.18	61	29.07	59.3	85.5
MS-08	41	5/14/2023 9:00	0.034	2.53	46.4	29.06	65.3	72.4
MS-08	41	5/14/2023 10:00	0.03	2.76	36.3	29.06	71.7	60.5
MS-08	41	5/14/2023 11:00	0.029	2.97	66	29.05	77.9	51
MS-08	42	5/18/2023 7:00	0.022	0.96	266.3	28.99	56.9	89.4
MS-08	42	5/18/2023 8:00	0.031	2.4	38.2	28.99	64.9	77
MS-08	42	5/18/2023 9:00	0.031	3.03	36.3	29	70.7	64.7
MS-08	42	5/18/2023 10:00	0.024	4.61	234.8	29.02	74.4	54.9
MS-08	43	5/27/2023 10:00	0.027	3.45	274.9	29.08	63.8	63.7
MS-08	43	5/27/2023 11:00	0.034	4.27	218.3	29.08	65.9	61
MS-08	43	5/27/2023 12:00	0.037	4.31	232.8	29.07	67.9	58.3
MS-08	43	5/27/2023 13:00	0.04	4.39	265.9	29.06	69.7	56.4
MS-08	43	5/27/2023 14:00	0.043	4.67	260.3	29.05	70.5	55.8

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	43	5/27/2023 15:00	0.043	4.72	271.3	29.04	71.3	55
MS-08	43	5/27/2023 16:00	0.042	4.17	261	29.04	71.6	54.7
MS-08	43	5/27/2023 17:00	0.04	4.02	248	29.03	70.1	57.1
MS-08	43	5/27/2023 18:00	0.037	4.19	256.2	29.04	65.6	64.1
MS-08	43	5/27/2023 19:00	0.032	3.6	255	29.06	61.8	70.3
MS-08	43	5/27/2023 20:00	0.027	3.41	261.4	29.07	58.5	76.3
MS-08	44	5/28/2023 7:00	0.025	0.83	215.5	29.07	55.3	83.9
MS-08	44	5/28/2023 8:00	0.031	1.67	71.1	29.08	56.8	82.1
MS-08	44	5/28/2023 9:00	0.032	2	294.1	29.09	57.5	80.9
MS-08	44	5/28/2023 10:00	0.035	2.09	261.7	29.09	58.5	79.2
MS-08	44	5/28/2023 11:00	0.034	1.97	259.7	29.09	60.1	75.5
MS-08	44	5/28/2023 12:00	0.034	2.46	253.6	29.09	61.4	73.2
MS-08	44	5/28/2023 13:00	0.034	2.64	219.4	29.08	62.8	70.3
MS-08	44	5/28/2023 14:00	0.036	3.27	242	29.07	63.6	69
MS-08	44	5/28/2023 15:00	0.037	2.9	234.9	29.06	63.1	70.7
MS-08	44	5/28/2023 16:00	0.038	2.76	232.3	29.05	62.5	73.3
MS-08	44	5/28/2023 17:00	0.042	2.65	250.9	29.05	61.6	76.4
MS-08	44	5/28/2023 18:00	0.041	2.21	246	29.05	60.9	78.4
MS-08	44	5/28/2023 19:00	0.04	3.01	259.5	29.05	59.9	80.9
MS-08	44	5/28/2023 20:00	0.038	3.19	238.1	29.06	59.2	82.4
MS-08	44	5/28/2023 21:00	0.039	3.25	249.1	29.08	57.7	86.7
MS-08	44	5/28/2023 22:00	0.038	2	254.4	29.09	57.4	87.9
MS-08	44	5/28/2023 23:00	0.037	1.45	259.5	29.08	57.5	87.3
MS-08	44	5/29/2023 0:00	0.034	1.9	259.8	29.09	57.5	86.3
MS-08	44	5/29/2023 1:00	0.034	1.38	264.2	29.08	57.1	87.9
MS-08	44	5/29/2023 2:00	0.031	1.58	265.7	29.08	56.5	88.9
MS-08	44	5/29/2023 3:00	0.031	1.26	176.7	29.08	56.7	88.6
MS-08	44	5/29/2023 4:00	0.033	1.07	60.9	29.08	56.4	90
MS-08	44	5/29/2023 5:00	0.029	1.22	231.5	29.08	56.6	88.6
MS-08	44	5/29/2023 6:00	0.03	0.96	122.1	29.09	56.8	89
MS-08	44	5/29/2023 7:00	0.023	1.79	248.8	29.09	58.3	82.8
MS-08	45	5/31/2023 4:00	0.027	1.35	218.5	29.02	54.6	85.7
MS-08	45	5/31/2023 5:00	0.031	1.38	194.8	29.01	54.7	86
MS-08	45	5/31/2023 6:00	0.03	1.57	243.8	29.02	54.9	85.3
MS-08	45	5/31/2023 7:00	0.025	2.14	230	29.03	55.6	82.2
MS-08	46	5/31/2023 13:00	0.029	4.38	251.6	29.02	66.8	60.1
MS-08	46	5/31/2023 14:00	0.031	3.92	251.9	29.03	62.6	68.9
MS-08	46	5/31/2023 15:00	0.033	3.22	251	29.02	62.8	68.8
MS-08	46	5/31/2023 16:00	0.03	3.18	232.6	29.01	61.4	71.1
MS-08	46	5/31/2023 17:00	0.024	2.9	231.7	29.01	59.9	72.6
MS-08	47	6/1/2023 14:00	0.028	2.88	242.6	29.06	61.7	72.9
MS-08	47	6/1/2023 15:00	0.031	2.48	228.6	29.06	61.3	74.2
MS-08	47	6/1/2023 16:00	0.03	2.11	246.7	29.06	61.4	74.8
MS-08	47	6/1/2023 17:00	0.033	2.32	255.7	29.07	60.4	77.4
MS-08	47	6/1/2023 18:00	0.033	2.64	230.3	29.07	59.4	79.9
MS-08	47	6/1/2023 19:00	0.029	3.33	240.2	29.08	58.2	81.8

**Table A-1
1-Hour Average H2S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	48	6/3/2023 8:00	0.025	1.75	102.5	29.07	59.3	76.4
MS-08	48	6/3/2023 9:00	0.035	2.2	9.2	29.06	66	64.4
MS-08	48	6/3/2023 10:00	0.041	3.8	221.6	29.05	70.2	57.7
MS-08	48	6/3/2023 11:00	0.041	3.67	238.3	29.05	73.5	52.6
MS-08	48	6/3/2023 12:00	0.041	4.29	246.6	29.04	75.9	48.6
MS-08	48	6/3/2023 13:00	0.041	4.48	249.2	29.03	77.8	47.1
MS-08	48	6/3/2023 14:00	0.047	4.58	255	29.02	78.9	47.1
MS-08	48	6/3/2023 15:00	0.044	4.87	259.2	29.01	79	47.1
MS-08	48	6/3/2023 16:00	0.046	4.05	259.1	29	78.8	49.2
MS-08	48	6/3/2023 17:00	0.045	4.06	259.5	28.99	75.7	54.4
MS-08	48	6/3/2023 18:00	0.043	3.4	259.9	28.99	71.6	60.2
MS-08	48	6/3/2023 19:00	0.039	4.04	254	29.01	67	66.8
MS-08	48	6/3/2023 20:00	0.035	3.2	252.1	29.03	63.1	73.5
MS-08	48	6/3/2023 21:00	0.034	2.26	243.3	29.05	60.3	79.1
MS-08	48	6/3/2023 22:00	0.029	1.79	238.4	29.05	56.8	84
MS-08	49	6/4/2023 7:00	0.028	1.21	333.1	29.01	53.9	95.4
MS-08	49	6/4/2023 8:00	0.034	2.39	222.7	29.02	56.8	90.3
MS-08	49	6/4/2023 9:00	0.036	3.92	226.1	29.02	59.3	85.4
MS-08	49	6/4/2023 10:00	0.036	4.63	219	29.01	63.5	76.6
MS-08	49	6/4/2023 11:00	0.036	4.88	210.3	29.01	66.5	70.4
MS-08	49	6/4/2023 12:00	0.035	4.27	250.2	29.01	69.8	64.5
MS-08	49	6/4/2023 13:00	0.032	4.04	230	29	73	58.7
MS-08	49	6/4/2023 14:00	0.033	4.14	237.4	28.99	75.4	55
MS-08	49	6/4/2023 15:00	0.029	3.53	252.5	28.97	78	49.1
MS-08	50	6/6/2023 18:00	0.018	2.89	243.4	29.01	57.3	77.1
MS-08	50	6/6/2023 19:00	0.033	1.78	248.8	29.02	56.5	81.8
MS-08	50	6/6/2023 20:00	0.033	2.66	250.2	29.04	55.3	84.6
MS-08	50	6/6/2023 21:00	0.035	2.77	247.1	29.05	54.2	87.6
MS-08	50	6/6/2023 22:00	0.034	2.7	253.2	29.05	54.1	88.1
MS-08	50	6/6/2023 23:00	0.031	3.31	253.1	29.06	53.9	88
MS-08	50	6/7/2023 0:00	0.031	2.34	261.6	29.07	53.8	87.8
MS-08	50	6/7/2023 1:00	0.03	1.43	254.5	29.06	53.9	87.6
MS-08	50	6/7/2023 2:00	0.028	1.73	256.3	29.06	54.1	86.7
MS-08	51	6/8/2023 7:00	0.027	1.6	48.2	29.14	54.5	87.3
MS-08	51	6/8/2023 8:00	0.035	2.45	46.6	29.15	59.2	78.2
MS-08	51	6/8/2023 9:00	0.033	2.84	12.3	29.14	63.7	68.1
MS-08	51	6/8/2023 10:00	0.038	3.53	254	29.15	66.5	63.6
MS-08	51	6/8/2023 11:00	0.039	4.17	239.6	29.14	68.3	60.3
MS-08	51	6/8/2023 12:00	0.039	4.13	260.5	29.14	70.7	56.7
MS-08	51	6/8/2023 13:00	0.043	4.8	257.4	29.13	72.2	55.7
MS-08	51	6/8/2023 14:00	0.043	4.4	259.3	29.11	73.1	54.3
MS-08	51	6/8/2023 15:00	0.039	4.89	264.7	29.11	72.5	54
MS-08	51	6/8/2023 16:00	0.039	4.5	262.4	29.1	71.5	55.9
MS-08	51	6/8/2023 17:00	0.041	4.5	261.3	29.1	69	61.4
MS-08	51	6/8/2023 18:00	0.04	4.68	261.3	29.11	65.6	67.9
MS-08	51	6/8/2023 19:00	0.039	4.16	250	29.12	63	73.3

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	51	6/8/2023 20:00	0.035	2.98	262	29.14	60.4	78
MS-08	51	6/8/2023 21:00	0.033	1.66	235	29.15	58.7	81
MS-08	51	6/8/2023 22:00	0.03	1.61	238.8	29.17	56.5	85.2
MS-08	51	6/8/2023 23:00	0.026	1.61	240.4	29.16	54.8	87.9
MS-08	52	6/9/2023 6:00	0.028	1.3	338.5	29.15	55	90.7
MS-08	52	6/9/2023 7:00	0.03	1.72	325.3	29.15	55.4	90.1
MS-08	52	6/9/2023 8:00	0.03	1.86	299.1	29.16	56.3	88.3
MS-08	52	6/9/2023 9:00	0.031	2.35	303.5	29.16	58	84.2
MS-08	52	6/9/2023 10:00	0.032	2.63	291.7	29.16	59.9	79.8
MS-08	52	6/9/2023 11:00	0.032	2.88	243.5	29.16	62.2	75
MS-08	52	6/9/2023 12:00	0.03	3.2	247.1	29.15	62.1	75.2
MS-08	52	6/9/2023 13:00	0.03	3.27	233.6	29.14	63.7	71.7
MS-08	52	6/9/2023 14:00	0.03	3.88	273.4	29.12	66.8	66.1
MS-08	52	6/9/2023 15:00	0.03	4.43	260.8	29.11	67.4	65.4
MS-08	52	6/9/2023 16:00	0.029	3.98	283.5	29.09	67.4	65.2
MS-08	52	6/9/2023 17:00	0.03	4.54	277.1	29.1	65	70.3
MS-08	52	6/9/2023 18:00	0.032	4.45	266.9	29.1	62.1	76.9
MS-08	52	6/9/2023 19:00	0.029	2.93	264.9	29.1	60	81.2
MS-08	53	6/14/2023 9:00	0.028	2.85	257.9	29.08	65.4	69.5
MS-08	53	6/14/2023 10:00	0.032	4.53	235.6	29.08	66	69
MS-08	53	6/14/2023 11:00	0.032	4.49	234.8	29.08	67.2	67
MS-08	53	6/14/2023 12:00	0.031	4.67	242.3	29.07	68.6	63.8
MS-08	53	6/14/2023 13:00	0.031	4.11	257.1	29.05	70.8	60.7
MS-08	53	6/14/2023 14:00	0.032	4.23	242	29.03	72.3	58.7
MS-08	53	6/14/2023 15:00	0.03	3.98	252.6	29.02	73.5	57.4
MS-08	53	6/14/2023 16:00	0.032	4.55	248.3	29.01	71.6	61.1
MS-08	53	6/14/2023 17:00	0.032	3.9	255.4	29	68.6	66.6
MS-08	53	6/14/2023 18:00	0.03	3.56	267.1	29.01	64.7	73.7
MS-08	53	6/14/2023 19:00	0.03	3.04	259.4	29.01	62.3	78.6
MS-08	53	6/14/2023 20:00	0.027	3.1	250.2	29.02	60.4	82.6
MS-08	54	6/21/2023 19:00	0.016	3.28	255.3	29.05	70.4	46
MS-08	54	6/21/2023 20:00	0.033	3.49	258.6	29.06	65.9	55
MS-08	54	6/21/2023 21:00	0.041	1.97	259	29.07	62.8	61.1
MS-08	54	6/21/2023 22:00	0.031	1.89	245.6	29.08	57.6	68.3
MS-08	54	6/21/2023 23:00	0.019	2.22	245	29.08	54.2	73.6
MS-08	55	6/22/2023 6:00	0.006	1.33	240.5	29.07	48.2	87.2
MS-08	55	6/22/2023 7:00	0.036	1.83	16.4	29.08	54.5	78.7
MS-12	55	6/22/2023 7:00	0.023	2.16	123.6	29.15	53.3	81.4
MS-08	55	6/22/2023 8:00	0.049	2.87	100.8	29.09	59	71.4
MS-12	55	6/22/2023 8:00	0.034	3.53	179.4	29.16	59.3	71.3
MS-08	55	6/22/2023 9:00	0.052	3	101.1	29.09	63.9	61.9
MS-12	55	6/22/2023 9:00	0.03	3.66	172.4	29.15	63.5	62
MS-08	55	6/22/2023 10:00	0.053	3.8	253.7	29.08	67.7	54.5
MS-12	55	6/22/2023 10:00	0.031	4.26	160.7	29.14	68	54.9
MS-08	55	6/22/2023 11:00	0.025	4.47	247.8	29.07	69.7	47.1
MS-12	55	6/22/2023 11:00	0.015	4.92	177.2	29.13	71.2	46.2

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	55	6/22/2023 12:00	0.032	5.24	243.8	29.06	71.5	46
MS-08	55	6/22/2023 13:00	0.041	4.97	270.9	29.05	73.2	45.5
MS-12	55	6/22/2023 13:00	0.014	7.13	161.4	29.12	73.9	44.1
MS-08	55	6/22/2023 14:00	0.06	4.59	268.7	29.06	72.7	48.7
MS-11	55	6/22/2023 14:00	0.024	7.74	176.3	28.81	71.6	50.3
MS-12	55	6/22/2023 14:00	0.035	5.36	179.9	29.12	73.7	47.9
MS-08	55	6/22/2023 15:00	0.06	4.94	245.2	29.05	71.3	51
MS-11	55	6/22/2023 15:00	0.036	6.37	213.3	28.8	71.1	53.6
MS-12	55	6/22/2023 15:00	0.036	6.2	169.9	29.12	72.2	50
MS-08	55	6/22/2023 16:00	0.054	4.59	277.4	29.05	70.4	51
MS-11	55	6/22/2023 16:00	0.027	6.24	239.9	28.8	69.7	54.9
MS-12	55	6/22/2023 16:00	0.031	4.82	185.9	29.12	71.6	50.2
MS-08	55	6/22/2023 17:00	0.043	4.6	278.9	29.05	68.5	52.7
MS-12	55	6/22/2023 17:00	0.024	4.23	195.2	29.12	69.3	51.9
MS-08	55	6/22/2023 18:00	0.037	3.38	278.4	29.06	66.9	54.1
MS-08	55	6/22/2023 19:00	0.03	3.64	248.1	29.07	63.9	58.4
MS-08	55	6/22/2023 20:00	0.025	4.14	233.6	29.08	59.7	65.7
MS-08	56	6/23/2023 13:00	0.024	4.44	250.2	29.13	72.6	43.9
MS-12	56	6/23/2023 13:00	0.009	5.19	175.5	29.19	73.7	42.8
MS-08	56	6/23/2023 14:00	0.057	5.07	252.8	29.12	72.1	48.6
MS-12	56	6/23/2023 14:00	0.032	4.75	258.9	29.18	73.8	47
MS-08	56	6/23/2023 15:00	0.06	4.3	273.4	29.1	73	47.7
MS-12	56	6/23/2023 15:00	0.036	4.33	213.4	29.17	74.5	46.6
MS-08	56	6/23/2023 16:00	0.06	4.35	256.6	29.09	73	47.9
MS-12	56	6/23/2023 16:00	0.037	3.74	270.6	29.16	75	46.2
MS-08	56	6/23/2023 17:00	0.063	4.62	242.3	29.08	71.6	50.7
MS-12	56	6/23/2023 17:00	0.037	3.51	222.2	29.14	72.8	49.6
MS-08	56	6/23/2023 18:00	0.067	4.24	259.6	29.08	69.7	54.6
MS-12	56	6/23/2023 18:00	0.04	2.94	280.9	29.14	71.1	53.1
MS-08	56	6/23/2023 19:00	0.063	3.49	258.9	29.1	66.2	59.6
MS-12	56	6/23/2023 19:00	0.037	2.95	189.2	29.16	67.8	57.5
MS-08	56	6/23/2023 20:00	0.056	2.68	267.8	29.13	62.6	65.4
MS-12	56	6/23/2023 20:00	0.033	1.89	210.6	29.19	63.3	64.6
MS-08	56	6/23/2023 21:00	0.05	2.23	242.5	29.15	60	69.6
MS-12	56	6/23/2023 21:00	0.03	0.91	80.3	29.21	59.4	71.1
MS-08	56	6/23/2023 22:00	0.04	1.98	238.8	29.16	55.3	77.4
MS-12	56	6/23/2023 22:00	0.022	0.9	9.9	29.22	55.2	77.1
MS-08	56	6/23/2023 23:00	0.029	1.67	239.1	29.15	52.4	82.8
MS-08	57	6/24/2023 6:00	0.008	1.37	233.2	29.15	49.2	89.2
MS-08	57	6/24/2023 7:00	0.033	1.47	53.1	29.17	54.8	81.5
MS-08	57	6/24/2023 8:00	0.035	2.09	91.9	29.17	59.5	70.6
MS-08	57	6/24/2023 9:00	0.035	2.38	18.2	29.17	66.3	57.6
MS-08	57	6/24/2023 10:00	0.039	2.91	270.2	29.15	70.5	51
MS-08	57	6/24/2023 11:00	0.013	3.57	220.6	29.15	73.9	42.5
MS-08	58	6/24/2023 14:00	0.01	4.44	272.4	29.11	80.6	33.7
MS-12	58	6/24/2023 14:00	0.005	4.24	185.2	29.17	82	32.9

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	58	6/24/2023 15:00	0.056	4.75	244.5	29.11	78.6	43
MS-12	58	6/24/2023 15:00	0.03	4.69	216.2	29.17	80.5	41.4
MS-08	58	6/24/2023 16:00	0.062	4.8	248.9	29.11	76.1	47.2
MS-12	58	6/24/2023 16:00	0.035	4.31	208.5	29.18	78.3	45.1
MS-08	58	6/24/2023 17:00	0.058	5.04	256.2	29.12	73	50.4
MS-12	58	6/24/2023 17:00	0.033	4.07	245.8	29.19	73.6	50.6
MS-08	58	6/24/2023 18:00	0.046	3.77	241.3	29.13	70.2	52.2
MS-12	58	6/24/2023 18:00	0.024	3.3	223	29.19	71.4	50.8
MS-08	58	6/24/2023 19:00	0.041	4	251.8	29.13	67.5	56.3
MS-08	58	6/24/2023 20:00	0.042	1.95	269.4	29.14	63.9	62.9
MS-08	58	6/24/2023 21:00	0.035	2.11	245.8	29.15	57.9	72.7
MS-08	58	6/24/2023 22:00	0.023	1.54	237.1	29.16	54.7	78.1
MS-08	59	6/25/2023 10:00	0.028	3.43	254.4	29.17	70	50
MS-08	59	6/25/2023 11:00	0.039	4.22	240.2	29.16	72	48.3
MS-08	59	6/25/2023 12:00	0.031	4.83	230.1	29.15	74	44.2
MS-08	59	6/25/2023 13:00	0.025	4.78	270.3	29.14	75.8	41.6
MS-08	59	6/25/2023 14:00	0.043	4.69	242.8	29.13	76.3	43.1
MS-08	59	6/25/2023 15:00	0.048	4.82	233	29.12	76.4	43.6
MS-12	59	6/25/2023 15:00	0.028	5.46	173.6	29.18	77.8	42.7
MS-08	59	6/25/2023 16:00	0.051	4.3	268.8	29.1	76.7	43.9
MS-12	59	6/25/2023 16:00	0.031	3.74	222.4	29.17	78.5	42.5
MS-08	59	6/25/2023 17:00	0.029	3.34	263.9	29.09	76.2	41.1
MS-12	59	6/25/2023 17:00	0.017	3.43	284	29.16	76.1	42.1
MS-08	59	6/25/2023 18:00	0.01	4.2	255.5	29.09	73	43
MS-08	59	6/25/2023 19:00	0.038	3.83	259.8	29.09	69.5	52.9
MS-12	59	6/25/2023 19:00	0.017	2.22	275.4	29.15	71.1	50.4
MS-08	59	6/25/2023 20:00	0.052	2.01	249.8	29.1	66.4	60
MS-12	59	6/25/2023 20:00	0.031	1.57	342.8	29.16	67	59.5
MS-08	59	6/25/2023 21:00	0.05	2.08	238.5	29.11	62.9	66.3
MS-12	59	6/25/2023 21:00	0.03	1.32	125.2	29.17	62.8	66.9
MS-08	59	6/25/2023 22:00	0.047	1.17	231.7	29.12	59.6	72.6
MS-12	59	6/25/2023 22:00	0.03	0.98	38.7	29.18	59.8	72.6
MS-08	59	6/25/2023 23:00	0.044	1.53	234.8	29.12	56.5	78.5
MS-12	59	6/25/2023 23:00	0.025	0.93	10.4	29.19	56.4	77.7
MS-08	59	6/26/2023 0:00	0.035	1.81	243	29.12	53.5	83.7
MS-08	59	6/26/2023 1:00	0.027	1.78	242.5	29.11	52.2	86
MS-08	60	6/26/2023 6:00	0.007	1.22	244.3	29.1	50.1	88.5
MS-08	60	6/26/2023 7:00	0.03	1.04	204.2	29.11	55.6	81.7
MS-08	60	6/26/2023 8:00	0.029	2.25	125.7	29.11	62	66.8
MS-08	60	6/26/2023 9:00	0.031	2.74	37.6	29.09	68.7	54.2
MS-08	60	6/26/2023 10:00	0.01	3.58	243.3	29.07	73.8	41.5
MS-08	61	6/26/2023 14:00	0.016	4.3	242.6	29.02	79.4	38.2
MS-08	61	6/26/2023 15:00	0.045	4.39	251.3	29.01	79.6	41.2
MS-08	61	6/26/2023 16:00	0.047	4.99	244.8	28.99	77.6	43.9
MS-08	61	6/26/2023 17:00	0.046	4.03	245.8	28.99	76.2	45.8
MS-08	61	6/26/2023 18:00	0.046	3.21	269.8	28.98	73.9	49.1

Table A-1
1-Hour Average H2S Community Monitoring Station Data

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	61	6/26/2023 19:00	0.05	2.38	252.3	28.98	71.1	53.7
MS-08	61	6/26/2023 20:00	0.049	2.58	251.9	29	67	60.9
MS-08	61	6/26/2023 21:00	0.048	1.76	238.1	29	62.4	69
MS-08	61	6/26/2023 22:00	0.045	1.5	215.3	29.01	59.1	75.3
MS-08	61	6/26/2023 23:00	0.042	2.28	246.4	29.02	56.6	80.2
MS-08	61	6/27/2023 0:00	0.038	1.88	240.7	29.02	54.8	83.9
MS-08	61	6/27/2023 1:00	0.029	1.91	247	29.01	53.3	86.1
MS-08	62	6/27/2023 6:00	0.014	1.33	252.7	29.02	51.3	89.4
MS-08	62	6/27/2023 7:00	0.034	1.24	194.1	29.02	56.9	82.1
MS-08	62	6/27/2023 8:00	0.035	1.82	48	29.01	62.7	69.8
MS-08	62	6/27/2023 9:00	0.037	2.43	53.9	29	69.4	57.9
MS-08	62	6/27/2023 10:00	0.04	3.65	249	29	73.6	50.4
MS-08	62	6/27/2023 11:00	0.039	3.96	262.6	29	76.3	47.5
MS-08	62	6/27/2023 12:00	0.042	4.48	245.9	28.99	78.4	45.1
MS-08	62	6/27/2023 13:00	0.036	4.76	257.6	28.98	80	42.4
MS-08	62	6/27/2023 14:00	0.037	4.68	253.7	28.97	80.2	42.2
MS-08	62	6/27/2023 15:00	0.037	4.76	255.3	28.96	80	42.9
MS-08	62	6/27/2023 16:00	0.039	4.32	261.4	28.95	79.7	44.1
MS-08	62	6/27/2023 17:00	0.037	4.29	248.2	28.94	78.5	45
MS-08	62	6/27/2023 18:00	0.036	3.83	245.9	28.95	75.6	49
MS-08	62	6/27/2023 19:00	0.036	3.35	253.9	28.96	71.7	54.9
MS-08	62	6/27/2023 20:00	0.035	1.96	240.5	28.98	67.7	61.2
MS-08	62	6/27/2023 21:00	0.033	1.83	236.8	28.99	63.4	68.8
MS-08	62	6/27/2023 22:00	0.028	1.34	229.6	29.01	59.5	75.6
MS-08	62	6/27/2023 23:00	0.03	1.41	235.2	29.01	57	81.5
MS-08	62	6/28/2023 0:00	0.024	2	240	29.01	54.9	85
MS-08	63	6/28/2023 7:00	0.024	1.68	55.8	29.04	58.1	79.6
MS-08	63	6/28/2023 8:00	0.03	1.79	114.2	29.04	61.8	73.6
MS-08	63	6/28/2023 9:00	0.036	2.84	133	29.03	67	65.8
MS-08	63	6/28/2023 10:00	0.034	3.38	220	29.02	71.7	55.4
MS-08	63	6/28/2023 11:00	0.028	4.36	216.6	29.02	73.3	51.8
MS-08	63	6/28/2023 12:00	0.032	4.55	256.1	29.01	75.5	50.5
MS-08	63	6/28/2023 13:00	0.039	4.69	242.1	29	76.7	50.6
MS-08	63	6/28/2023 14:00	0.037	4.51	220.3	28.99	77.4	49.8
MS-08	63	6/28/2023 15:00	0.037	4.66	233.4	28.98	77.5	49.8
MS-08	63	6/28/2023 16:00	0.034	3.92	239.9	28.97	77.5	49
MS-08	63	6/28/2023 17:00	0.032	3.85	256.1	28.96	76	51
MS-08	63	6/28/2023 18:00	0.032	3.49	246.7	28.98	72.9	56.1
MS-08	63	6/28/2023 19:00	0.031	2.63	251.7	28.99	70.1	60.4
MS-08	63	6/28/2023 20:00	0.031	1.89	231.8	28.99	66.2	67
MS-08	63	6/28/2023 21:00	0.03	1.53	232.5	29	62.7	73.4
MS-08	63	6/28/2023 22:00	0.026	1.27	247.4	29.02	59.7	78.3
MS-08	64	6/29/2023 8:00	0.028	2.5	139.4	29.06	63.3	73.2
MS-08	64	6/29/2023 9:00	0.032	2.64	162.3	29.05	69.1	63.8
MS-08	64	6/29/2023 10:00	0.031	3.77	228.1	29.05	74	54.9
MS-08	64	6/29/2023 11:00	0.032	5.06	235.6	29.03	77.2	50.7

**Table A-1
1-Hour Average H₂S Community Monitoring Station Data**

Monitoring Station	Event #	Time	H ₂ S	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
			ppm	mph	°	in.Hg	°F	%
MS-08	64	6/29/2023 12:00	0.03	5	229	29.02	79.3	48.6
MS-08	64	6/29/2023 13:00	0.027	4.81	235	29.01	81.8	44
MS-08	64	6/29/2023 14:00	0.028	4.79	229.3	28.99	83.1	43.9
MS-08	64	6/29/2023 15:00	0.03	4.86	239.3	28.98	82.4	45.9
MS-08	64	6/29/2023 16:00	0.028	3.81	244.3	28.98	82.1	46.8




Table A-2

24-Hour Average PM_{2.5} and PM₁₀ Community Monitoring Station Data

**Table A-2
24-Hour Average PM2.5 and PM10 Community Monitoring Station Data**

Monitoring Station	Time	PM2.5	PM10	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
		µg/m ³	µg/m ³	mph	°	in.Hg	°F	%
MS-08	4/10/2023 0:00	0.49	0.91	1.91	249.1	29.16	64.6	65
MS-08	4/11/2023 0:00	0.68	3.26	2.07	248.3	29.1	61.5	72.2
MS-10	4/11/2023 0:00	0.85	1.16	1.96	225.3	29.3	62.6	72
MS-11	4/11/2023 0:00	0.85	1.08	1.79	250.5	28.85	62.8	73.1
MS-08	4/12/2023 0:00	2.03	3.23	2.19	249.4	28.98	53	88.7
MS-10	4/12/2023 0:00	2.61	2.81	2.55	232.7	29.19	54.1	88.1
MS-11	4/12/2023 0:00	2.75	2.84	2.48	263.8	28.73	53.2	91.9
MS-08	4/13/2023 0:00	0.6	0.83	1.2	227.6	28.93	53.4	83.1
MS-10	4/13/2023 0:00	1.09	1.19	2.85	220.9	29.14	53.9	82.6
MS-11	4/13/2023 0:00	0.79	0.84	2.2	193.7	28.68	52	87.7
MS-11	4/27/2023 0:00	0.85	1.27	1.77	243.1	28.81	67.5	55
MS-11	4/28/2023 0:00	1.22	4.99	1.81	251.1	28.83	65.7	66.5
MS-11	4/29/2023 0:00	0.85	1.39	1.79	249.9	28.86	66.1	71.7
MS-06	5/10/2023 0:00	0.48	0.54	4.65	231.1	29.25	58.7	69.8
MS-06	5/11/2023 0:00	1.32	4.91	3.71	237	29.24	58.5	73.3
MS-06	5/12/2023 0:00	0.82	1.37	3.63	233.9	29.2	63.3	71.2
MS-08	5/17/2023 0:00	0.65	1.22	2.08	229.3	29.02	68.3	65.7
MS-10	5/17/2023 0:00	0.86	1.29	2.34	228	29.22	69.1	66
MS-08	5/18/2023 0:00	1.91	3.98	1.98	240.7	29.02	65.4	74
MS-10	5/18/2023 0:00	2.28	2.65	3.34	219	29.22	65.9	75.9
MS-11	5/18/2023 0:00	1.59	1.79	2.63	249.8	28.77	64.9	79.1
MS-08	5/19/2023 0:00	2.71	3.73	2.34	248.9	29.14	62.9	82.2
MS-10	5/19/2023 0:00	3.11	3.29	3	223.7	29.34	64	81.3
MS-11	5/19/2023 0:00	2.75	2.86	2.1	251.5	28.89	62	86.8
MS-08	5/20/2023 0:00	2.48	3.09	1.4	223.4	29.18	68.7	71.6
MS-10	5/20/2023 0:00	2.58	2.9	2.64	226.8	29.37	69	71.5
MS-11	5/20/2023 0:00	2.94	3.1	1.49	238.9	28.93	67.4	76.2
MS-08	5/21/2023 0:00	1.02	1.55	1.41	227.7	29.11	67.5	72.9
MS-10	5/21/2023 0:00	1.15	1.35	3.08	217.7	29.31	67.9	73.7
MS-11	5/21/2023 0:00	0.79	0.94	2.1	247.2	28.86	66.4	78.3
MS-08	6/8/2023 0:00	0.54	1.09	2.42	258.9	29.13	60	75.5
MS-08	6/9/2023 0:00	1.61	3.74	2.29	265.3	29.13	58.3	82.3
MS-08	6/10/2023 0:00	1.03	1.42	1.62	248.4	29.03	60.9	80.8
MS-11	6/15/2023 0:00	0.95	1.03	0.77	194.8	28.8	60.8	83.4
MS-11	6/16/2023 0:00	1.46	7.12	1.83	260	28.84	65.8	78.4
MS-11	6/17/2023 0:00	0.78	1.07	1.99	259.9	28.83	70.3	70.9




Table A-3

2-Hour Average PM_{2.5} and PM₁₀ Community Monitoring Station Data

**Table A-3
2-Hour Average PM2.5 and PM10 Community Monitoring Station Data**

Monitoring Station	Time	PM2.5	PM10	Wind Speed	Wind Direction	Pressure	Air Temperature	Air Relative Humidity
		µg/m ³	µg/m ³	mph	°	in.Hg	°F	%
MS-08	4/11/2023 14:00	0.76	1.06	3.68	243.8	29.07	76.1	51.4
MS-08	4/11/2023 16:00	1.65	26.03	3.48	265.1	29.05	73.5	54.9
MS-08	4/11/2023 18:00	1.07	2.48	2.59	261.6	29.05	66.8	60.4
MS-11	4/28/2023 12:00	1.8	10.7	5.04	250.6	28.82	78.1	53.1
MS-11	4/28/2023 14:00	4.09	36.36	4.88	255.1	28.82	79	52.3
MS-11	4/28/2023 16:00	0.84	1.68	3.71	260.9	28.82	77.6	52.4
MS-06	5/11/2023 8:00	0.6	0.74	2.02	83	29.28	58.5	70.3
MS-06	5/11/2023 10:00	7.77	41.95	4.59	221.7	29.26	65.7	56.9
MS-06	5/11/2023 12:00	1.16	3.62	7.51	233.2	29.23	69.3	53.4
MS-11	6/16/2023 16:00	0.61	0.91	4.59	254.5	28.82	74.2	64.2
MS-11	6/16/2023 18:00	6.78	72.53	3.8	230.3	28.83	69.8	71.3
MS-11	6/16/2023 20:00	0.62	1.04	4.74	226.5	28.85	63.7	81.1

Note:

¹The 2-hour average reporting threshold for PM_{2.5} and PM₁₀ is 25 µg/m³, based on the SCAQMD Rule 1466 threshold for PM.

Acronyms:

PM_{2.5} = particulate matter with an aerodynamic diameter of 2.5 micrometers or less

PM₁₀ = particulate matter with an aerodynamic diameter of 10 micrometers or less


µg/m³ = micrograms per cubic meter

mph = miles per hour

in. Hg. = inches Mercury

°F = degrees Fahrenheit


SCAQMD = South Coast Air Quality Management District



Appendix B
Second Quarter 2023 Community Air Monitoring Station
Monitoring Data (1-Hour Averages)

Since the continuous monitoring data presented in this report includes only exceedance events, the complete 1-hour data set is included as a separate, linked attachment. The one-hour continuous monitoring data for the off-site air monitoring stations (MS-06 through MS-12) referenced in this quarterly report can be accessed on the Los Angeles Department of Regional Planning website for the Chiquita Canyon Landfill Community Advisory Committee:

[Documents - LA County Planning](#)



Appendix C

Second Quarter 2023 Community Air Monitoring Station

Reporting Thresholds




Table C-1
Discrete Sampling Reporting Thresholds

**Table C-1
Discrete Sampling Reporting Thresholds**

Compound ¹	CAS No.	REL in $\mu\text{g}/\text{m}^3$ ²
Benzene	71-43-2	27
Benzyl chloride	100-44-7	240
Chlorobenzene	108-90-7	1000
1,2-Dibromoethane	106-93-4	0.8
Dichlorobenzenes ³	106-46-7	800
1,1-Dichloroethane	75-34-3	N/A
1,2-Dichloroethane	106-06-2	4002
1,1-Dichloroethene	75-35-4	70
Dichloromethane	75-09-2	14,000
Hydrogen Sulfide	6/4/7783	423
Tetrachloroethene	128-18-4	20,000
Tetrachloromethane	56-23-5	1,900
Toluene	108-88-3	5,000
1,1,1-Trichloroethane	71-55-6	68,000
Trichloroethene	79-01-6	6004
Vinyl chloride	75-01-4	180,000
Xylenes	1330-20-7	22,000

Notes

¹ List of compounds from SCAQMD Rule 1150.1, Table 1 Toxic Air Contaminant List

² RELs based on OEHHA REL for Acute Hazard Index Target Organ Systems (Table 6.1 from the February 2015 Air Toxics Hot Spots Program Guidance Manual).

³ Includes meta, para, and ortho isomers. Para CAS used for REL.

⁴ Based on CAAQS

Acronyms

CAAQS - California Ambient Air Quality Standards


CAS - Chemical Abstracts Service Chemical Registry Number

OEHHA - California Office of Health Hazard Assessment

REL - Reference Exposure Levels

SCAQMD - South Coast Air Quality Management District

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter



Appendix D

Second Quarter 2023 Discrete Sampling Lab Reports



LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: April 27, 2023
Client: SCS Engineers
Project Name: Chiquita Canyon Camp (Off-site)
Project No.: 01204123.19 Task 10
Date Received: April 7, 2023
Date Analyzed: April 7, 2023

AtmAA Lab No.:	20973-10	20973-11	20973-12
Sample I.D.:	MS-07	MS-12	MS-08
Bag I.D.:	MS-07	MS-12	MS-08
Components	(Concentration in ppbv)		
Hydrogen sulfide	<30	<30	<30
Benzene	0.33	0.31	0.30
Benzyl chloride	<0.15	<0.15	<0.15
Chlorobenzene	<0.15	<0.15	<0.15
Dichlorobenzenes*	<0.30	<0.30	<0.30
1,1-dichloroethane	<0.15	<0.15	<0.15
1,2-dichloroethane	<0.15	<0.15	<0.15
1,1-dichloroethylene	<0.15	<0.15	<0.15
Dichloromethane	<0.30	<0.30	<0.30
1,2-dibromoethane	<0.10	<0.10	<0.10
Perchloroethylene	<0.10	<0.10	<0.10
Carbon tetrachloride	<0.15	<0.15	<0.15
Toluene	0.35	0.87	1.00
1,1,1-trichloroethane	<0.10	<0.10	<0.10
Trichloroethene	<0.10	<0.10	<0.10
Chloroform	<0.10	<0.10	<0.10
Vinyl chloride	<0.10	<0.10	<0.10
m+p-xylenes	0.32	0.27	0.29
o-xylene	<0.10	<0.10	0.12

Toxic air contaminants (TAC) compounds were analyzed by GC/MS, EPA TO-15.

Hydrogen sulfide was analyzed by SCD/GC, SCAQMD 307.91.

* total amount containing meta, para, and ortho isomers

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Name: Chiquita Canyon Camp (Off-site)
Date Received: April 7, 2023
Date Analyzed: April 7, 2023

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppbv)</i>			
Hydrogen sulfide	MS-07	<30	<30	---	---
	MS-08	<30	<30	---	---
Benzene	MS-07	0.34	0.31	0.33	9.2
Benzyl chloride	MS-07	<0.15	<0.15	---	---
Chlorobenzene	MS-07	<0.15	<0.15	---	---
Dichlorobenzenes	MS-07	<0.30	<0.30	---	---
1,1-dichloroethane	MS-07	<0.15	<0.15	---	---
1,2-dichloroethane	MS-07	<0.15	<0.15	---	---
1,1-dichloroethylene	MS-07	<0.15	<0.15	---	---
Dichloromethane	MS-07	<0.30	<0.30	---	---
1,2-dibromoethane	MS-07	<0.10	<0.10	---	---
Perchloroethylene	MS-07	<0.10	<0.10	---	---
Carbon tetrachloride	MS-07	<0.15	<0.15	---	---
Toluene	MS-07	0.36	0.33	0.35	8.7
1,1,1-trichloroethane	MS-07	<0.10	<0.10	---	---
Trichloroethene	MS-07	<0.10	<0.10	---	---
Chloroform	MS-07	<0.10	<0.10	---	---
Vinyl chloride	MS-07	<0.10	<0.10	---	---
m+p-xylenes	MS-07	0.32	0.31	0.32	3.2
o-xylene	MS-07	<0.10	<0.10	---	---

Two Tedlar bag samples, laboratory numbers 20973-(10-12), were analyzed for SCAQMD Rule 1150.1 components. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 3 repeat measurements from two Tedlar bag samples is 7.0%.





LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: May 22, 2023
Client: SCS Engineers
Project Name: Chiquita Canyon Camp (Off-site)
Project No.: 01204123.19 Task 7
Date Received: May 11, 2023
Date Analyzed: May 11-13, 2023

AtmAA Lab No.:	21313-3	21313-4	21313-5
Sample I.D.:	MS-06	MS-09	MS-10
Bag I.D.:	MS-06	MS-09	MS-10
Components	(Concentration in ppbv)		
Hydrogen sulfide	<30	<30	<30
Benzene	0.58	0.50	0.42
Benzyl chloride	<0.15	<0.15	<0.15
Chlorobenzene	<0.15	<0.15	<0.15
Dichlorobenzenes*	<0.30	<0.30	<0.30
1,1-dichloroethane	<0.15	<0.15	<0.15
1,2-dichloroethane	<0.15	<0.15	<0.15
1,1-dichloroethylene	<0.15	<0.15	<0.15
Dichloromethane	<0.30	<0.30	<0.30
1,2-dibromoethane	<0.10	<0.10	<0.10
Perchloroethylene	<0.10	0.14	<0.10
Carbon tetrachloride	<0.15	<0.15	<0.15
Toluene	0.71	0.74	1.28
1,1,1-trichloroethane	<0.10	<0.10	<0.10
Trichloroethene	<0.10	<0.10	<0.10
Chloroform	<0.10	<0.10	<0.10
Vinyl chloride	<0.10	<0.10	<0.10
m+p-xylenes	0.42	0.30	0.23
o-xylene	0.29	0.14	0.12

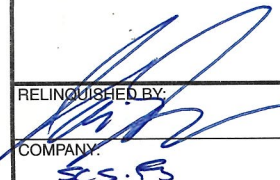
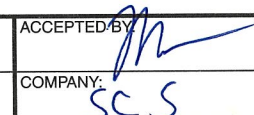
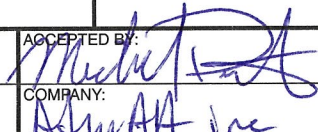
Toxic air contaminants (TAC) compounds were analyzed by GC/MS, EPA TO-15.

Hydrogen sulfide was analyzed by SCD/GC, SCAQMD 307.91.

* total amount containing meta, para, and ortho isomers

Brian W. Fung
Laboratory Director

CHAIN OF CUSTODY RECORD

SCS ENGINEERS				TOTAL NUMBER OF SAMPLES: 3			ANALYSES REQUESTED								LAB USE ONLY		
3900 Kilroy Airport Way, Suite 100 Long Beach, California 90806-6816 Phone 562 426-9544 Fax 562 427-0805				PAGE 1 OF 1													
				TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> Std. <input type="checkbox"/> 3-Day <input type="checkbox"/> 24-Hr. <input type="checkbox"/> Other													
PROJECT NUMBER: 01204123.19 TASK 7				PROJECT MANAGER: KATHARIN BERESH			<div style="display: flex; justify-content: space-around;"> T0.15 307.91 </div>										
PROJECT NAME: CHUQUITA CANYON - OF SITE				W.O. / S.O. #: SPR													
PROJECT LOCATION: 29201 HENRY MAYO DRIVE																	
SAMPLER NAME AND SIGNATURE: ADRIAN GASPARE																	
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	T0.15	307.91									
3 ③	MS-06	AIR	5/11/23 9:10 AM	1 L. TADLAR	NONE	T0.15 PER RULE 115D.1	X	X	AlmaA Lab #								21313-3
4 ④	MS-09	AIR	5/11/23 8:08 AM	1 L. TADLAR	NONE	↓	X	X									-4
5 ⑤	MS-10	AIR	5/11/23 8:25 AM	1 L. TADLAR	NONE	↓	X	X									-5
NOTES:												SAMPLE CONDITION UPON RECEIPT:					
RELINQUISHED BY: 				DATE: 5/11/23		ACCEPTED BY: 		DATE: 5-11-23		RELINQUISHED BY: 				DATE: 5/11/23			
COMPANY: SCS.PS				TIME: 9:20		COMPANY: SCS		TIME: 9:20		COMPANY: AlmaA Inc				TIME: 10:25			



LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: June 30, 2023
Client: SCS Engineers
Project Name: Chiquita Canyon Camp
Project No.: 01204123.19
Date Received: June 15, 2023
Date Analyzed: June 16, 2023

AtmAA Lab No.:	21663-11	21663-12	21663-13
Sample I.D.:	MS-12	MS-8	MS-11
Bag I.D.:	MS-12	MS-8	MS-11

Components	(Concentration in ppbv)		
Hydrogen sulfide	<30	<30	<30
Benzene	0.55	0.44	0.42
Benzyl chloride	<0.15	<0.15	<0.15
Chlorobenzene	<0.15	<0.15	<0.15
Dichlorobenzenes*	<0.30	<0.30	<0.30
1,1-dichloroethane	<0.15	<0.15	<0.15
1,2-dichloroethane	<0.15	<0.15	<0.15
1,1-dichloroethylene	<0.15	<0.15	<0.15
Dichloromethane	<0.30	<0.30	<0.30
1,2-dibromoethane	<0.10	<0.10	<0.10
Perchloroethylene	<0.10	0.00	<0.10
Carbon tetrachloride	<0.15	0.16	<0.15
Toluene	0.43	0.68	0.85
1,1,1-trichloroethane	<0.10	<0.10	<0.10
Trichloroethene	<0.10	<0.10	<0.10
Chloroform	<0.10	<0.10	<0.10
Vinyl chloride	<0.10	<0.10	<0.10
m+p-xylenes	0.32	0.25	0.21
o-xylene	0.16	0.10	<0.10

Toxic air contaminants (TAC) compounds were analyzed by GC/MS, EPA TO-15.

Hydrogen sulfide was analyzed by SCD/GC, SCAQMD 307.91.

* total amount containing meta, para, and ortho isomers

Brian W. Fung
Laboratory Director

CHAIN OF CUSTODY RECORD

Client/Project Name: SCS.FS CHUQUITA CANYON CHUQUITA CANYON U.R.		Project Location:			ANALYSES REQUESTED							
Project Number: 01204123.1B		Field Logbook Number:			<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">10.15</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">307.91</div> </div>							
Sampler: (Signature) <i>[Signature]</i>		Turnaround Times: <u>Standard 10 day</u> Expedited: 24hr / 48hr / 72hr / 5 day										
Client Sample Identification	Type of Sample Canister ID	AtmAA Lab Number	Sampling Date	Sampling Time								
MS 12	1 L. TANK	21663-11	6/15/23	9:50	X	X						
MS 8	↓	-12	↓	10:55	X	X						
MS 11	↓	-13	↓	11:20	X	X						
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature)				Date	Time			
		6/15/23	1:30	<i>[Signature]</i>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)				Date	Time			
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature)				Date	Time			
				<i>[Signature] AtmAA</i>				6/15/23	1:30			
Company Info:		Send Report to:			Analytical Laboratory							
Company: SCS.FS		Company: SCS-ENGINEERS			AtmAA Inc.							
Street Address: 3700 KULLEY AIRPORT WY #110		Street Address: 300 KULLEY			23917 Craftsman Rd.							
City/State/Zip: LB CA 90806		City/State/Zip: LB CA 90806			Calabasas, CA 91302							
Telephone No.:		Project Manager: KATHY BRESNAHAN			TEL: (818) 223-3277							
Email Address:		Email Address:			Email Address: info@atmaa.com							

