



DAILY AIR MONITORING REPORT

Florence C&D Landfill – Air Monitoring

Date : 2025-10-27

Table 1 : Weather Summary

Wind Speed (MPH)	Wind Direction				Temperature (°F)	Relative Humidity (%)	Barometer (inHg)
Min : 0.1000 Max : 17.67	2943 SE	2693 ESE	2996 SE	2997 WNW	Min : 34.52 Max : 82.94	Min : 57.90 Max : 100.0	Min : 29.69 Max : 30.60

Table 2 : Monitoring Summary

Site Action Level :	PM10 : 150 µg/m³		PM2.5 : 35 µg/m³		H2S : 10 PPM	
AQ-SN	Avg. PM10 Daily (µg/m³)	Max. PM10-15-min Avg (µg/m³)	Avg. PM2.5 Daily (µg/m³)	Max. PM2.5-15-min Avg (µg/m³)	Avg. H2S Daily (PPM)	Max. H2S-15-min Avg (PPM)
2693	8.3	17.6	4.2	8.1	0.000	0.001
2943	18.8	38.0	6.3	10.4	-0.006	0.032
2996	16.7	34.6	6.3	11.0	0.001	0.012
2997	12.7	27.5	6.3	10.9	0.005	0.058



Figure 1 : Monitoring Locations

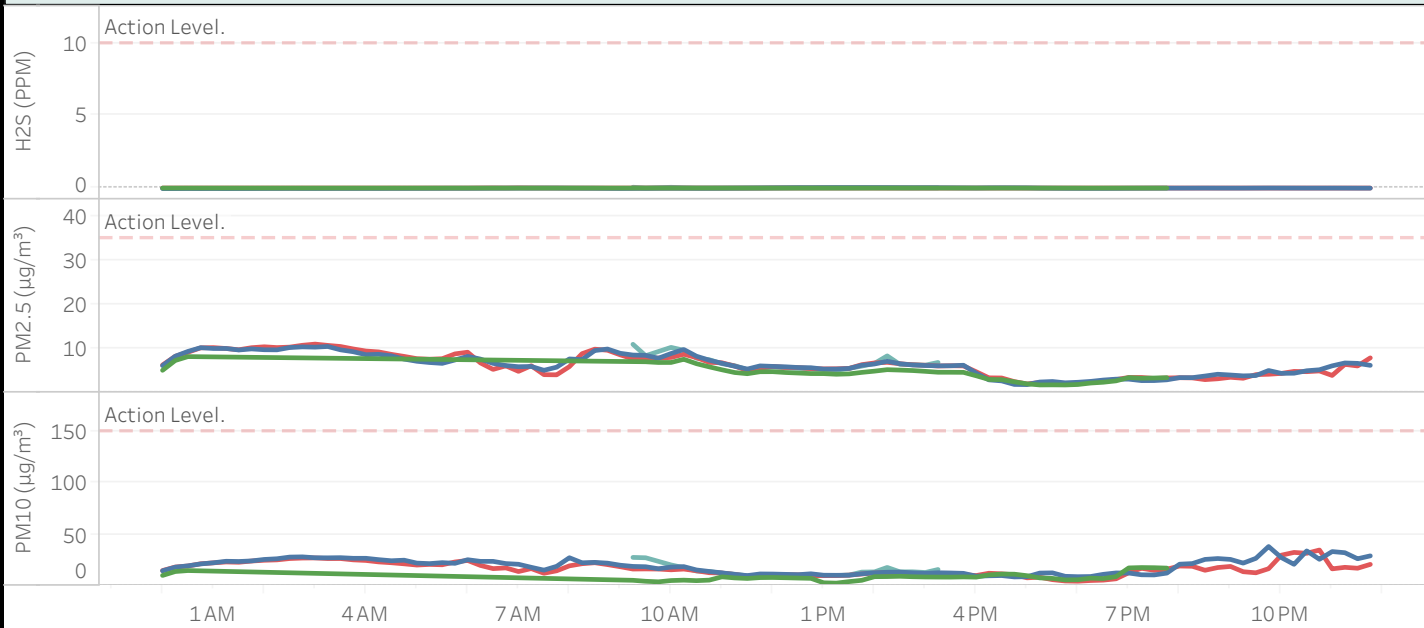


Figure 2 : 15 Minutes Average Concentrations

2693 2943 2996 2997



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Wind Rose Chart 2943

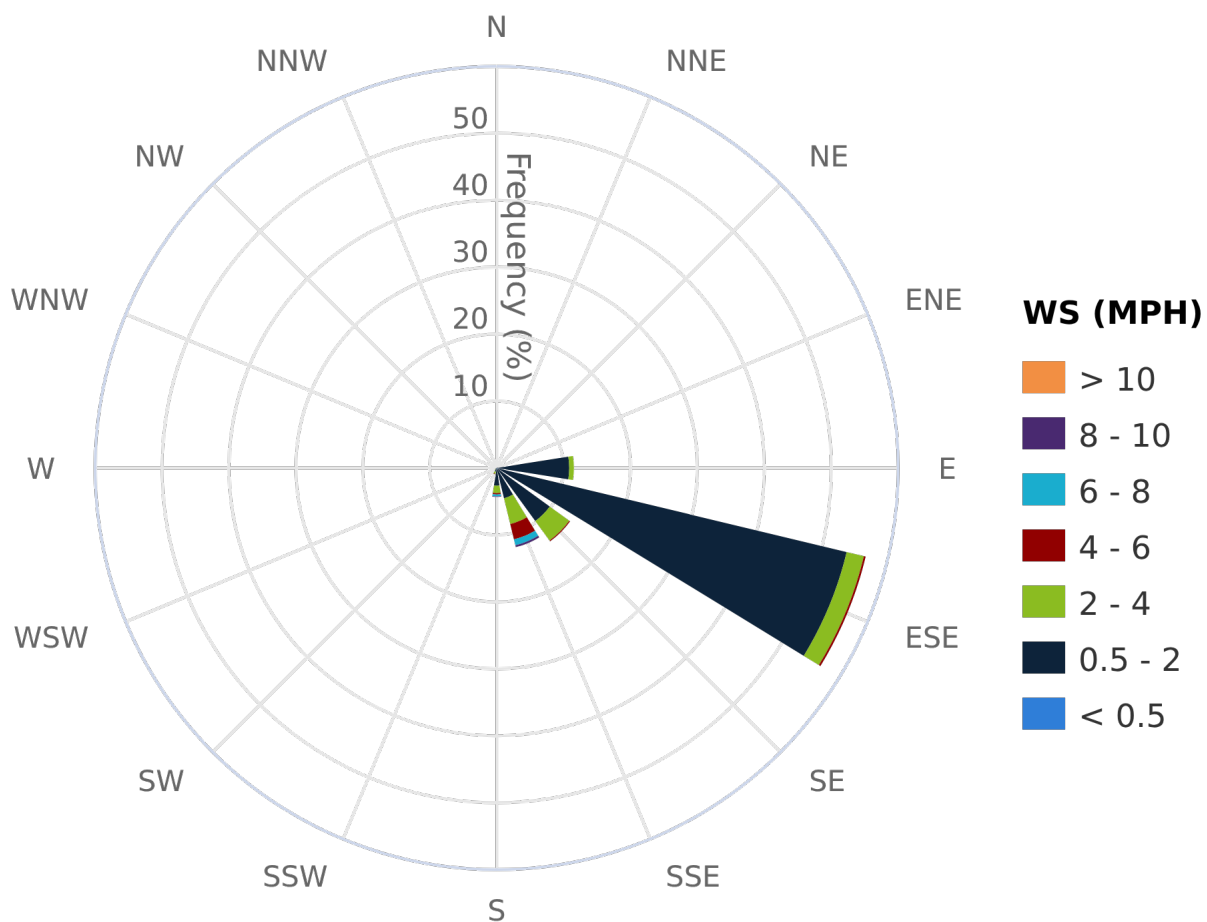


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2693

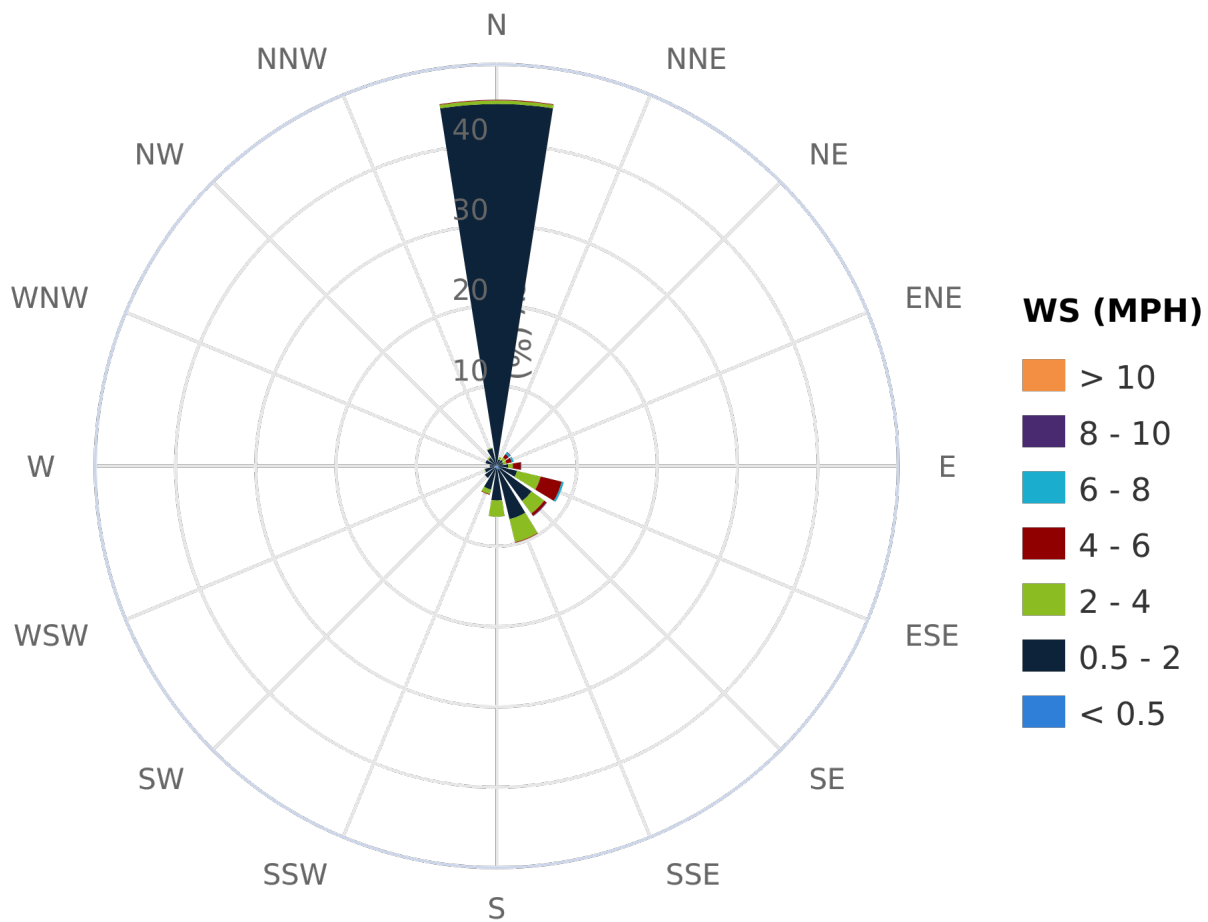


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2996

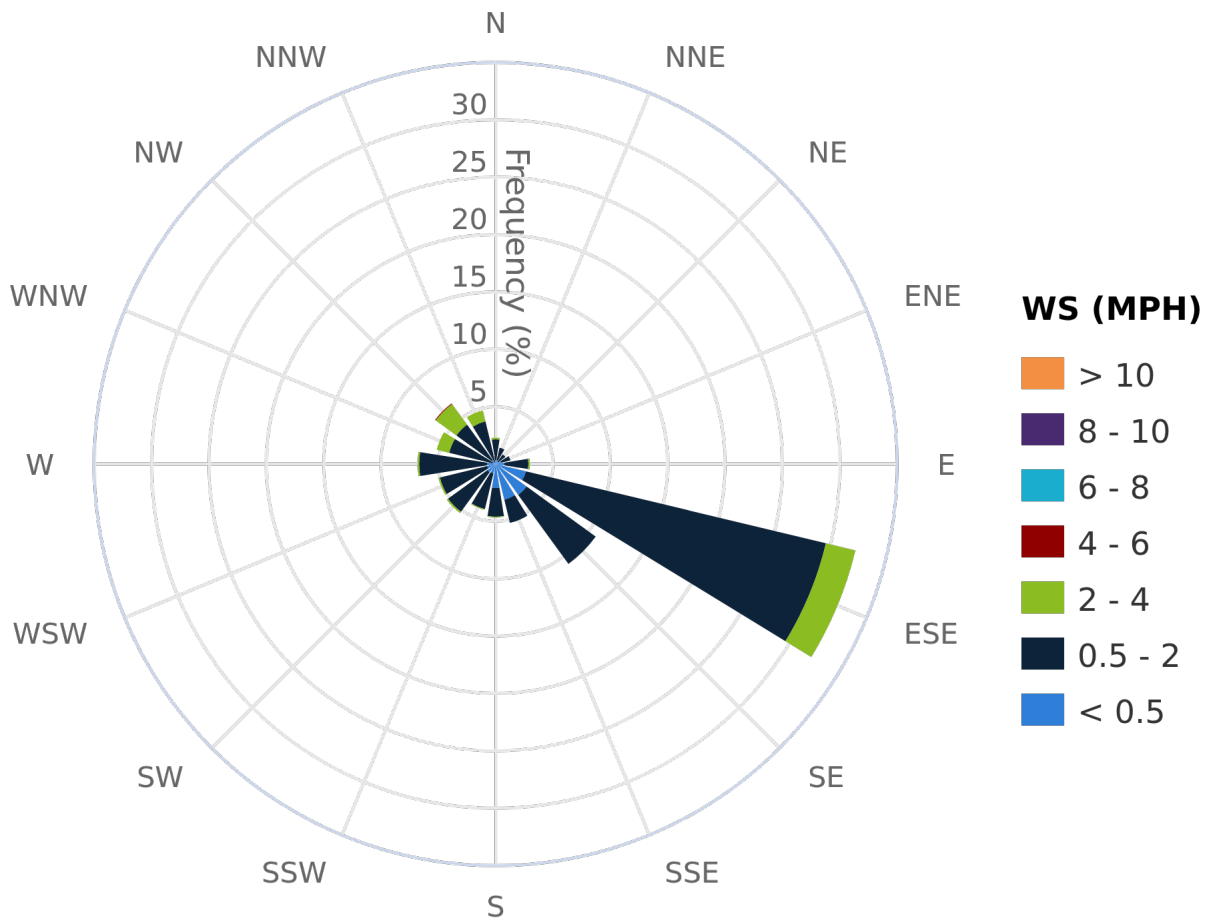


Figure 3 : Wind Rose Chart (WS in MPH)



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Wind Rose Chart 2997

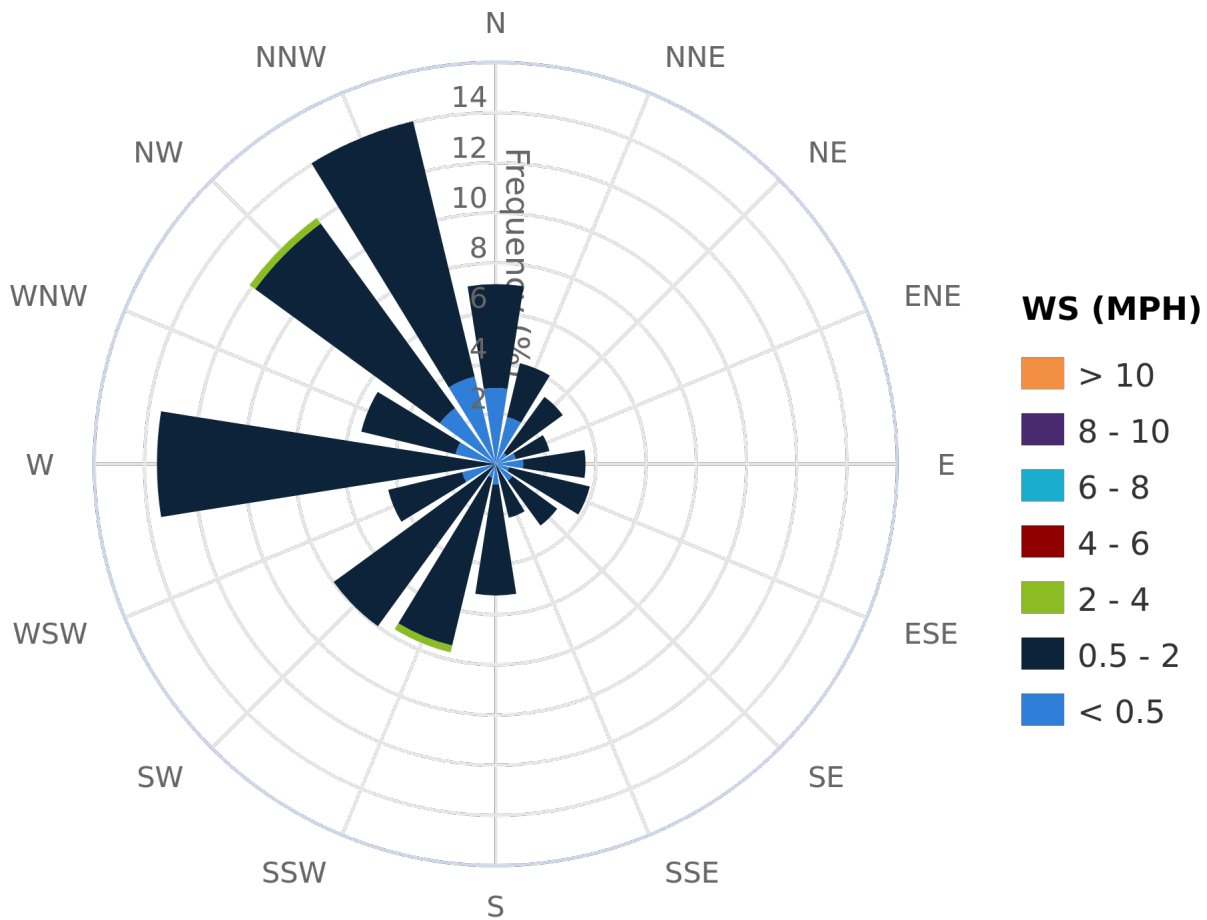


Figure 3 : Wind Rose Chart (WS in MPH)



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
00:00:00	14.5	10.0		14.7	6.1	5.0	6.3		-0.037	0.000	0.000	
00:15:00	18.0	13.8		18.2	8.2	7.3	8.2		-0.036	0.000	0.000	
00:30:00	19.3	14.7		19.2	9.3	8.1	9.1		-0.033	0.001	0.000	
00:45:00	21.2			21.3	10.2		10.1		-0.035		0.000	
01:00:00	22.2			22.2	10.0		10.2		-0.032		0.000	
01:15:00	23.7			23.1	10.0		10.0		-0.035		0.000	
01:30:00	23.5			22.8	9.6		9.7		-0.032		0.000	
01:45:00	24.1			23.9	9.9		10.2		-0.030		0.000	
02:00:00	25.5			24.7	9.7		10.4		-0.026		0.000	
02:15:00	26.2			25.1	9.7		10.2		-0.025		0.000	
02:30:00	27.8			26.4	10.2		10.3		-0.023		0.000	
02:45:00	28.0			26.8	10.3		10.7		-0.025		0.000	
03:00:00	27.1			27.0	10.3		11.0		-0.026		0.000	
03:15:00	27.1			26.3	10.4		10.7		-0.024		0.000	
03:30:00	27.2			26.4	9.7		10.4		-0.023		0.000	
03:45:00	26.6			25.1	9.2		9.9		-0.023		0.000	
04:00:00	26.6			24.5	8.6		9.4		-0.022		0.000	
04:15:00	25.3			23.1	8.7		9.2		-0.023		0.000	
04:30:00	24.2			22.3	8.3		8.7		-0.020		0.000	
04:45:00	24.8			21.3	7.6		8.2		-0.020		0.000	
05:00:00	22.0			20.1	7.1		7.7		-0.019		0.000	
05:15:00	21.4			20.7	6.8		7.6		-0.017		0.000	
05:30:00	22.4			20.3	6.6		7.7		-0.015		0.000	
05:45:00	21.7			23.0	7.4		8.8		-0.013		0.000	
06:00:00	25.2			24.5	8.2		9.1		-0.014		0.000	
06:15:00	23.6			19.7	7.6		6.7		-0.012		0.005	
06:30:00	23.6			16.6	6.6		5.3		-0.009		0.008	
06:45:00	21.5			17.3	6.1		6.1		-0.007		0.003	
07:00:00	20.8			13.8	5.9		4.8		-0.004		0.012	
07:15:00	17.9			16.6	5.9		6.1		-0.004		0.007	
07:30:00	15.1			12.1	5.0		4.1		0.000		0.003	
07:45:00	18.8			14.5	5.8		4.0		-0.001		0.003	
08:00:00	27.2			19.3	7.6		5.9		-0.007		0.000	
08:15:00	22.3			21.4	7.5		8.8		-0.010		0.000	
08:30:00	22.7			22.3	9.5		9.8		-0.013		0.000	
08:45:00	21.9			20.5	9.9		9.6		-0.019		0.000	
09:00:00	19.9			18.4	8.9		8.5		-0.024		0.000	
09:15:00	18.7	5.3	27.5	16.2	8.5		7.6	10.9	-0.021		0.000	0.058
09:30:00	18.4	4.4	27.1	16.3	8.4	7.0	7.8	8.3	-0.016	0.000	0.000	0.001
09:45:00	16.5	3.8		16.2	7.8	6.8	7.8		-0.013	0.000	0.000	
10:00:00	18.1	5.1	20.2	15.5	8.8	6.8	8.0	10.2	-0.011	0.000	0.000	0.053
10:15:00	18.5	5.4	17.5	16.2	9.8	7.5	8.7	9.6	-0.013	0.000	0.000	0.023
10:30:00	15.3	5.0	14.3	14.5	8.2	6.5	7.9	7.8	-0.013	0.000	0.000	0.003
10:45:00	13.9	5.5	13.8	12.6	7.3	5.8	6.8	7.4	-0.012	0.000	0.000	0.000
11:00:00	12.5	8.6	12.2	12.3	6.6	5.2	6.8	6.5	-0.007	0.000	0.000	0.000
11:15:00	11.0	7.6	11.2	11.0	6.0	4.5	6.0	6.1	-0.003	0.000	0.000	0.000
11:30:00	9.9	7.1	9.7	9.2	5.3	4.3	5.0	5.2	0.002	0.000	0.000	0.000
11:45:00	11.4	7.9	10.4	10.1	6.0	4.7	5.5	5.5	0.008	0.000	0.001	0.000



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Table 3 : 15 Minute Average Concentrations (AM)

	Avg. 2943 - PM10 (µg/m³)	Avg. 2693 - PM10 (µg/m³)	Avg. 2997 - PM10 (µg/m³)	Avg. 2996 - PM10 (µg/m³)	Avg. 2943 - PM2.5 (µg/m³)	Avg. 2693 - PM2.5 (µg/m³)	Avg. 2996 - PM2.5 (µg/m³)	Avg. 2997 - PM2.5 (µg/m³)	Avg. 2943 - H2S (PPM)	Avg. 2693 - H2S (PPM)	Avg. 2996 - H2S (PPM)	Avg. 2997 - H2S (PPM)
12:00:00	11.4	8.0	11.0	11.0	5.9	4.7	5.9	5.8	0.014	0.000	0.006	0.000
12:15:00	11.1	7.8	10.4	10.6	5.8	4.6	5.7	5.6	0.020	0.000	0.007	0.000
12:30:00	10.8	7.5	10.3	10.6	5.7	4.4	5.7	5.5	0.027	0.000	0.007	0.000
12:45:00	11.6	7.2	10.1	9.8	5.6	4.3	5.4	5.3	0.025	0.000	0.007	0.000
13:00:00	10.2	2.9	10.1	9.8	5.3	4.3	5.4	5.2	0.030	-0.001	0.007	0.000
13:15:00	10.2	2.6	9.9	9.9	5.3	4.2	5.4	5.1	0.032	0.000	0.006	0.000
13:30:00	10.3	4.0	10.4	10.3	5.5	4.2	5.5	5.5	0.032	0.000	0.006	0.000
13:45:00	11.6	5.3	13.2	11.4	6.2	4.6	6.3	6.0	0.032	0.000	0.006	0.003
14:00:00	12.6	8.8	13.4	12.3	6.5	4.9	6.7	6.6	0.029	0.000	0.005	0.007
14:15:00	13.1	8.9	17.7	12.6	7.1	5.2	6.8	8.3	0.028	0.000	0.003	0.007
14:30:00	13.3	9.2	13.5	12.3	6.5	5.1	6.5	6.4	0.023	0.001	0.003	0.006
14:45:00	12.5	8.7	13.5	11.8	6.2	5.0	6.3	6.4	0.021	0.001	0.002	0.005
15:00:00	12.1	8.5	12.9	11.5	6.1	4.8	6.2	6.2	0.020	0.000	0.001	0.012
15:15:00	12.6	8.4	15.8	11.3	6.1	4.6	6.0	6.8	0.020	0.000	0.001	0.012
15:30:00	12.4	8.4		11.0	6.1	4.6	6.1		0.017	0.000	0.000	
15:45:00	12.0	8.6		10.7	6.2	4.6	6.0		0.011	0.001	0.000	
16:00:00	9.3	8.4		9.9	4.4	3.8	4.7		0.005	0.000	0.000	
16:15:00	9.7	10.5		12.1	2.9	3.0	3.3		0.015	0.000	0.000	
16:30:00	9.9	11.3		11.6	2.7	2.9	3.3		0.018	0.000	0.001	
16:45:00	8.6	11.2		10.7	1.9	2.4	2.5		0.017	0.000	0.000	
17:00:00	8.8	9.8		7.7	1.8	2.0	2.0		0.012	0.000	0.000	
17:15:00	12.3	7.6		8.3	2.4	1.7	2.3		-0.003	-0.001	0.000	
17:30:00	12.5	7.1		5.9	2.5	1.8	2.0		-0.010	0.001	0.000	
17:45:00	9.2	5.7		4.6	2.2	1.7	1.9		-0.015	0.001	0.000	
18:00:00	8.8	5.8		4.4	2.3	1.8	2.1		-0.017	0.000	0.000	
18:15:00	9.0	7.4		5.1	2.5	2.2	2.4		-0.019	0.000	0.000	
18:30:00	11.1	7.0		5.5	2.8	2.4	2.6		-0.019	0.001	0.000	
18:45:00	12.4	8.9		6.8	3.1	2.7	3.0		-0.017	0.001	0.000	
19:00:00	12.3	17.3		12.6	3.0	3.4	3.4		-0.012	0.000	0.000	
19:15:00	10.6	17.6		16.9	2.7	3.3	3.4		-0.009	0.000	0.000	
19:30:00	10.5	17.5		15.0	2.7	3.3	3.2		-0.006	0.000	0.001	
19:45:00	12.3	17.1		16.1	2.9	3.4	3.3		-0.005	0.000	0.004	
20:00:00	20.9			19.1	3.4		3.4		-0.004		0.000	
20:15:00	21.5			18.9	3.4		3.3		-0.003		0.000	
20:30:00	25.5			15.0	3.8		2.9		-0.001		0.000	
20:45:00	26.4			17.7	4.2		3.1		-0.003		0.000	
21:00:00	25.5			18.7	4.0		3.5		-0.004		0.000	
21:15:00	21.9			13.6	3.8		3.3		-0.004		0.000	
21:30:00	26.6			12.6	3.9		4.1		-0.001		0.000	
21:45:00	38.0			16.5	5.0		4.2		0.002		0.000	
22:00:00	27.3			29.6	4.4		4.3		0.000		0.000	
22:15:00	20.8			32.3	4.4		4.8		-0.001		0.000	
22:30:00	33.8			31.5	4.9		4.7		-0.003		0.000	
22:45:00	25.6			34.6	5.2		4.9		-0.003		0.000	
23:00:00	33.1			16.4	6.1		3.9		-0.003		0.000	
23:15:00	32.0			17.9	6.7		6.4		-0.004		0.000	
23:30:00	26.2			17.0	6.6		6.0		-0.007		0.000	
23:45:00	29.0			20.7	6.2		7.9		-0.007		0.000	



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Table 4 : Summary of Exceedances (greater than Action Level) - *None*