



Formosa Plastics®

Formosa Plastics Corporation, Texas
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January 31, 2025

Electronic Delivery: TCEQR14AIR@tceq.texas.gov

Air Section Manager, Region 14
Texas Commission Environmental Quality
500 N. Shoreline Blvd., Suite 500
Corpus Christi, Texas 78401

RE: Formosa Plastics Corporation, Texas
Regulated Entity Number: RN100218973
Customer Reference Number: CN600130017
TCEQ Air Quality Account No. CB-0038-Q
Fourth Quarter 2024 SUMMA Canister Report

Dear Air Section Manager:

Per your request, we have enclosed a quarterly summary of results from the Point Comfort SUMMA Canister Monitoring System. The fourth quarter results of 2024 are shown for each site on the attached tables. Additionally, we have included wind roses generated by the weather sensor on the PC FTIR or wind direction data from other air monitoring devices for each SUMMA canister sampling date during the fourth quarter of 2024.

Also per your request, we have enclosed a quarterly summary of results from the North SUMMA Canister Monitoring System. This system, and the associated FTIR, was installed as a Supplemental Environmental Project (SEP) as required by TCEQ Docket No. 2000-1144-AIR-E. The sampling requirements of the SEP have been met by FPC-TX, and sampling has been reduced to a monthly frequency. The fourth quarter 2024 results are shown on the attached table. Additionally, we have included wind roses generated by the weather sensor on the North FTIR or wind direction data from other air monitoring devices for each SUMMA canister sampling date during the fourth quarter 2024.

Beginning with the first sample date in the fourth quarter 2003, we have also included average wind speed and wind direction on the tables. This was done at the request of Mr. David Carmichael of the TCEQ Austin office. In addition, at the request of Mr. Carmichael, the following changes have been made to the tables:

The duplicate sample data for all compounds has been removed from the VOC Canister Analysis Tables;

The averaged duplicate sample data was replaced with only the routine sample data in the VOC Canister Analysis Tables; and

An additional VOC Canister Analysis Table was created for the duplicate samples data. This was done so that the relative percent difference (RPD) could be calculated. The calculation for obtaining the RPD is shown in the Duplicate Sample section of the attached Calculation Methodology.

During a telephone conversation with Mr. Vincent Leopold (TCEQ TARA Group) on April 9, 1998, he requested a disk copy of the SUMMA Canister sampling results be included with the quarterly report. Enclosed is an electronic copy of the fourth quarter 2024 SUMMA Canister Report. Additionally, an electronic copy of the report has been sent to Dr. Tracie Phillips, per Mr. Darrell McCant's request.

Special Condition No. 49 of the Formosa Plastics Corporation, Texas, EDC Cracking, VCM & PVC Processing Facility permit (7699 and PSDTX226M7) and special condition No. 46 of the Formosa Plastics Corporation, Texas, EDC Plant permit (19199 and PSDTX1238) require submittal of quarterly reports with routine SUMMA canister data. Additionally, the North SUMMA SEP is referenced in special condition No. 36 of the Formosa Plastics Corporation, Texas, Specialty PVC Plant permit (76305 and PSDTX1058).

Should you have any questions please contact Clint Hurley by e-mail at ClintonH@ftpc.fpcusa.com.

Sincerely,

Mike Rivet
Assistant Vice President/General Manager
Formosa Plastics Corporation, Texas

Attachments

cc: Dr. Tracie Phillips
Toxicology Division
Texas Commission on Environmental Quality
P. O. Box 13087
Austin, Texas 78711-3087

Electronic Delivery: TCEQR14AIR@tceq.texas.gov

FORMOSA PLASTICS CORPORATION, TEXAS

SUMMA CANISTER QUARTERLY REPORT

CALCULATION METHODOLOGY

Following is the calculation methodologies used to calculate the Year-To-Date Sum and Year-To-Date Average for the five SUMMA canister sampling sites. Please note that there are two columns associated with each component analyzed. The column titled “Actual” represents the results reported by the independent laboratory contracted to analyze the SUMMA canisters. The column titled “½ Reported LOD (Limit of Detection)” represents either the actual result or one-half the limit of detection reported by the laboratory, as appropriate.

ACTUAL

The following is entered into the column titled “Actual”:

Numerical Value - Actual results reported by the independent laboratory when the result is equal to or greater than the limit of detection. The numerical value is used to calculate the year-to-date sum and the year-to date average;

ND (Non Detect) - As reported by the laboratory. The value of “0” is used to calculate the year to date sum and the year-to-date average;

BDL (Below Detection Limit) - Entered when the actual result is less than the reported limit of detection. The value of “0” is used to calculate the year-to-date sum and the year-to-date average;

“*” - Non operational sampling period.

½ REPORTED LOD (LIMIT OF DETECTION)

The following is entered into the column titled “½ Reported LOD”:

Numerical Value - Actual results reported by the independent laboratory when the result is equal to or greater than the limit of detection. The numerical value is used to calculate the year-to-date sum and the year-to-date average;

½ the Reported Limit of Detection - ½ the reported limit of detection when the results are reported as non-detect and when the actual result is below the detection limit (BDL). ½ the reported limit of detection is used to calculate the year-to-date sum and the year-to-date average.

“*” - Non operational sampling period.

FORMOSA PLASTICS CORPORATION, TEXAS

SUMMA CANISTER QUARTERLY REPORT

Limit of Detection (LOD) - Method Detection Limit, Limit of Detection, Reporting Limit, etc., as reported by the independent laboratory conducting the analysis.

DUPLICATE SAMPLES

Beginning with the revised First Quarter 2004 Report, submitted on October 22, 2004, the duplicate samples will be reported discreetly on a separate VOC Canister Analysis Table. This is done so that the duplicate samples can be compared to the routine samples and the Relative Percent Difference (RPD) can be calculated. The RPD is calculated using the following equation:

$$\{(X1-X2) / [(X1+X2) / 2]\} \times 100$$

Mr. David Carmichael provided this equation in his August 20, 2004 e-mail request for changes. Where the duplicate and routine sample indicated "ND", the RPD is reported as "ND". Where the duplicate or routine sample indicated "ND" and the other indicated a concentration greater than ND, the RPD is calculated by using the value entered in the actual concentration column and the value entered in the ½ Reported LOD column.

YEAR-TO-DATE SUM

The year-to-date sum is calculated by taking the sum of all values entered in the column.

ROLLING YEAR AVERAGE

The following formula is used to calculate the rolling year average:

Rolling Year Sum / (Number of theoretical sample periods - Number of nonoperational sample periods)

YEAR-TO-DATE AVERAGE

The following formula is used to calculate the year-to-date average:

Year-To-Date Sum / (Number of theoretical sample periods - Number of non operational sample periods)

QUARTERLY AVERAGE

The following formula is used to calculate the quarterly average:

Quarterly Sum / (Number of theoretical sample periods - Number of nonoperational sample periods)

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - CITY HALL SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	2.35	2.35	ND	0.09	0.43	0.43	0.59	0.59	0.09	0.09
2024-01-07	94	6.4	2.74	2.74	ND	0.09	0.24	0.24	0.12	0.12	0.22	0.22
2024-01-13	141	4.1	0.83	0.83	ND	0.09	0.15	0.15	ND	0.03	0.10	0.10
2024-01-19	15	8	8.38	8.38	0.07	0.07	0.41	0.41	0.09	0.09	0.08	0.08
2024-01-25	349	1.8	2.06	2.06	ND	0.09	0.18	0.18	0.46	0.46	0.20	0.20
2024-01-31	200	0.9	1.26	1.26	ND	0.09	0.26	0.26	ND	0.04	0.09	0.09
2024-02-06	183	0.3	1.78	1.78	ND	0.09	0.28	0.28	ND	0.04	0.13	0.13
2024-02-12	335	7.5	0.37	0.37	ND	0.09	0.12	0.12	ND	0.03	0.07	0.07
2024-02-18	347	2.9	0.58	0.58	ND	0.09	0.15	0.15	ND	0.04	ND	0.04
2024-02-24	148	2.8	6.00	6.00	ND	0.09	0.24	0.24	0.27	0.27	0.72	0.72
2024-03-01	36	1.4	1.17	1.17	ND	0.09	0.25	0.25	ND	0.04	0.09	0.09
2024-03-07	124	6.8	0.27	0.27	ND	0.09	0.06	0.06	ND	0.03	ND	0.04
2024-03-13	163	6.6	0.42	0.42	ND	0.08	0.14	0.14	ND	0.03	0.06	0.06
2024-03-19	22	2.4	7.66	7.66	0.05	0.05	0.41	0.41	0.39	0.39	0.65	0.65
2024-03-25	148	3.1	0.89	0.89	ND	0.09	0.12	0.12	0.07	0.07	0.19	0.19
2024-03-31	152	6	0.27	0.27	ND	0.09	0.15	0.15	ND	0.04	ND	0.04
2024-04-06	154	8.5	0.24	0.24	ND	0.09	0.07	0.07	ND	0.03	ND	0.03
2024-04-12	130	5.3	0.98	0.98	ND	0.09	0.13	0.13	ND	0.04	0.09	0.09
2024-04-18	142	5.6	0.69	0.69	ND	0.08	0.12	0.12	ND	0.03	0.16	0.16
2024-04-24	125	5.6	0.58	0.58	ND	0.09	0.08	0.08	ND	0.03	ND	0.04
2024-04-30	116	5.1	0.35	0.35	ND	0.09	0.12	0.12	ND	0.03	0.12	0.12
2024-05-06	145	7.5	0.30	0.30	ND	0.08	0.13	0.13	ND	0.03	ND	0.03
2024-05-12	136	6.3	0.44	0.44	ND	0.09	0.21	0.21	ND	0.04	ND	0.04
2024-05-18	115	2.6	1.65	1.65	ND	0.03	0.37	0.37	0.44	0.44	0.15	0.15
2024-05-24	153	7.6	0.55	0.55	ND	0.03	0.24	0.24	ND	0.03	ND	0.03
2024-05-30	137	7.2	5.04	5.04	ND	0.03	0.13	0.13	ND	0.03	ND	0.03
2024-06-05	137	3.9	1.66	1.66	ND	0.03	0.42	0.42	0.14	0.14	0.34	0.34
2024-06-11	127	3.4	0.59	0.59	ND	0.03	0.13	0.13	ND	0.03	ND	0.03
2024-06-17	131	8.4	0.43	0.43	ND	0.03	0.06	0.06	ND	0.03	ND	0.03
2024-06-23	105	3.5	0.92	0.92	ND	0.03	0.05	0.05	0.10	0.10	1.32	1.32
2024-06-29	148	6.5	0.59	0.59	ND	0.03	0.10	0.10	ND	0.03	0.22	0.22
2024-07-05	170	4.3	0.16	0.16	ND	0.03	0.16	0.16	ND	0.03	0.04	0.04
2024-07-11	70	2	7.22	7.22	ND	0.04	0.63	0.63	0.34	0.34	0.95	0.95
2024-07-17	170	3.3	*	*	*	*	*	*	*	*	*	*
2024-07-23	117	2.5	1.58	1.58	ND	0.03	0.13	0.13	0.10	0.10	0.40	0.40
2024-07-29	147	5.8	0.48	0.48	ND	0.04	0.05	0.05	ND	0.03	ND	0.03
2024-08-04	194	2.3	0.73	0.73	ND	0.04	0.09	0.09	ND	0.03	0.05	0.05
2024-08-10	97	1.9	2.68	2.68	ND	0.04	0.81	0.81	0.24	0.24	0.83	0.83
2024-08-16	165	3.6	0.69	0.69	ND	0.04	0.10	0.10	ND	0.04	ND	0.04
2024-08-22	167	3.9	0.82	0.82	0.03	0.03	0.14	0.14	ND	0.03	0.31	0.31
2024-08-28	110	2.7	1.43	1.43	ND	0.04	0.20	0.20	0.15	0.15	0.93	0.93
2024-09-03	82	3.4	2.12	2.12	ND	0.03	0.14	0.14	0.39	0.39	1.11	1.11
2024-09-09	39	5.3	8.59	8.59	0.08	0.08	0.39	0.39	0.75	0.75	2.39	2.39
2024-09-15	166	2.3	0.98	0.98	ND	0.03	0.16	0.16	0.06	0.06	0.15	0.15
2024-09-21	135	4.8	0.47	0.47	ND	0.03	0.13	0.13	ND	0.03	ND	0.03
2024-09-27	261	1.4	1.37	1.37	ND	0.04	0.43	0.43	0.32	0.32	0.04	0.04

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - CITY HALL SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-10-03	88	3.1	3.24	3.24	ND	0.04	0.41	0.41	0.58	0.58	6.83	6.83
2024-10-09	30	1.3	4.71	4.71	ND	0.04	0.54	0.54	0.99	0.99	2.02	2.02
2024-10-15	219	2.5	0.53	0.53	ND	0.03	0.21	0.21	ND	0.03	0.02	0.02
2024-10-21	100	4	1.96	1.96	0.04	0.04	0.27	0.27	0.35	0.35	2.93	2.93
2024-10-27	145	2.2	1.66	1.66	0.03	0.03	0.21	0.21	0.07	0.07	0.23	0.23
2024-11-02	122	5.3	0.58	0.58	ND	0.04	0.10	0.10	ND	0.03	0.04	0.04
2024-11-08	116	3.4	0.75	0.75	ND	0.03	0.14	0.14	ND	0.03	0.11	0.11
2024-11-14	27	4.3	6.15	6.15	0.05	0.05	0.32	0.32	0.28	0.28	0.50	0.50
2024-11-20	15	4.9	1.52	1.52	ND	0.04	0.22	0.22	0.11	0.11	0.02	0.02
2024-11-26	9	1.9	1.23	1.23	ND	0.04	0.25	0.25	0.12	0.12	0.03	0.03
2024-12-04 †	159	3.5	0.65	0.65	0.04	0.04	0.29	0.29	0.03	0.03	0.11	0.11
2024-12-08	267	1.5	1.78	1.78	0.04	0.04	0.32	0.32	ND	0.04	0.05	0.05
2024-12-14	155	3.8	18.60	18.60	ND	0.04	0.13	0.13	ND	0.03	0.04	0.04
2024-12-20	16	3.7	5.06	5.06	ND	0.04	0.26	0.26	0.18	0.18	0.31	0.31
2024-12-26	182	4	0.67	0.67	ND	0.04	0.25	0.25	ND	0.04	0.12	0.12

	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
Year-To-Date Sum	130.46	130.46	0.44	3.32	13.43	13.43	7.77	8.91	25.60	26.09
Rolling Year Average	2.17	2.17	0.01	0.06	0.22	0.22	0.13	0.15	0.43	0.43
Annual Average	2.17	2.17	0.01	0.06	0.22	0.22	0.13	0.15	0.43	0.43
Quarterly Average	3.27	3.27	0.01	0.04	0.26	0.26	0.18	0.20	0.89	0.89

Number of theoretical sample periods	61	61	61	61	61	61	61	61	61	61
Number of non operational sample periods	1	1	1	1	1	1	1	1	1	1

† - 12/4 is not an official sampling date in the six-day sampling calendar. This date was a makeup for the missed 12/2 sampling date

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

TCEQ Air Monitoring Comparison Values (ppb)			Investigation Limit (ppb)
Chemical	ST	LT	
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	100	1.4	28.2
Ethylene	1,200	30	500
1,3-Butadiene	430	9	25

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - CITY HALL SITE
DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	2.35	2.35	ND	0.09	0.43	0.43	0.59	0.59	0.09	0.09
2024-01-01d	15	3.9	2.23	2.23	ND	0.10	0.43	0.43	0.55	0.55	0.08	0.08
Relative Percent Difference (RPD)			5.24%		ND		1.40%		7.52%		3.66%	
2024-04-06	154	8.5	0.24	0.24	ND	0.09	0.07	0.07	ND	0.03	ND	0.03
2024-04-06d	154	8.5	0.32	0.32	ND	0.09	0.06	0.06	ND	0.04	ND	0.04
Relative Percent Difference (RPD)			27.66%		ND		10.38%		ND		ND	
2024-07-05	170	4.3	0.16	0.16	ND	0.03	0.16	0.16	ND	0.03	0.04	0.04
2024-07-05d	170	4.3	0.17	0.17	ND	0.03	0.14	0.14	ND	0.03	0.03	0.03
Relative Percent Difference (RPD)			1.21%		ND		14.33%		ND		10.06%	
2024-10-03	88	3.1	3.24	3.24	ND	0.04	0.41	0.41	0.58	0.58	6.83	6.83
2024-10-03d	88	3.1	3.39	3.39	ND	0.03	0.43	0.43	0.60	0.60	6.95	6.95
Relative Percent Difference (RPD)			4.52%		ND		3.80%		3.23%		1.74%	

d - Duplicate sample taken in addition to the routine sample (see Calculation Methodology for information on inclusion of duplicate sample results.)

RPD values > 25% where both concentrations are >5x MDL for TO-15 compounds (i.e., >0.30 ppb) and >5x RL for ethylene (i.e., >2.5 ppb)

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - SCHOOL SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	2.03	2.03	ND	0.08	0.36	0.36	0.16	0.16	0.16	0.16
2024-01-07	94	6.4	3.69	3.69	ND	0.08	0.26	0.26	0.16	0.16	0.18	0.18
2024-01-13	141	4.1	0.74	0.74	ND	0.09	0.25	0.25	ND	0.03	0.13	0.13
2024-01-19	15	8	2.17	2.17	ND	0.08	0.46	0.46	0.11	0.11	0.11	0.11
2024-01-25	349	1.8	2.41	2.41	ND	0.09	0.25	0.25	0.28	0.28	0.16	0.16
2024-01-31	200	0.9	1.31	1.31	ND	0.09	0.27	0.27	ND	0.03	0.14	0.14
2024-02-06	183	0.3	1.04	1.04	ND	0.09	0.29	0.29	ND	0.03	0.11	0.11
2024-02-12	335	7.5	0.53	0.53	ND	0.09	0.12	0.12	ND	0.03	0.09	0.09
2024-02-18	347	2.9	0.49	0.49	ND	0.08	0.16	0.16	ND	0.03	0.09	0.09
2024-02-24	148	2.8	16.40	16.40	ND	0.09	0.34	0.34	0.25	0.25	2.11	2.11
2024-03-01	36	1.4	1.55	1.55	ND	0.08	0.24	0.24	ND	0.03	0.08	0.08
2024-03-07	124	6.8	0.90	0.90	ND	0.09	0.07	0.07	ND	0.04	ND	0.04
2024-03-13	163	6.6	0.16	0.16	ND	0.10	0.11	0.11	ND	0.04	0.08	0.08
2024-03-19	22	2.4	4.25	4.25	ND	0.09	0.23	0.23	0.35	0.35	0.44	0.44
2024-03-25	148	3.1	0.86	0.86	ND	0.09	0.11	0.11	0.12	0.12	0.29	0.29
2024-03-31	152	6	0.25	0.25	ND	0.09	0.14	0.14	ND	0.04	0.10	0.10
2024-04-06	154	8.5	0.35	0.35	ND	0.09	0.06	0.06	ND	0.04	ND	0.04
2024-04-12	130	5.3	0.81	0.81	ND	0.09	0.14	0.14	ND	0.04	0.10	0.10
2024-04-18	142	5.6	0.28	0.28	ND	0.09	0.12	0.12	ND	0.04	0.25	0.25
2024-04-24	125	5.6	0.36	0.36	ND	0.09	0.11	0.11	ND	0.04	ND	0.04
2024-04-30	116	5.1	0.47	0.47	ND	0.09	0.12	0.12	ND	0.04	0.33	0.33
2024-05-06	145	7.5	0.14	0.14	ND	0.09	0.39	0.39	ND	0.04	ND	0.04
2024-05-12	136	6.3	0.37	0.37	ND	0.09	0.24	0.24	ND	0.04	ND	0.04
2024-05-18	115	2.6	1.69	1.69	ND	0.03	0.35	0.35	0.32	0.32	0.22	0.22
2024-05-24	153	7.6	0.60	0.60	ND	0.04	0.29	0.29	ND	0.04	ND	0.04
2024-05-30	137	7.2	ND	0.23	ND	0.04	0.13	0.13	ND	0.04	ND	0.04
2024-06-05	137	3.9	1.47	1.47	ND	0.04	0.42	0.42	0.23	0.23	0.70	0.70
2024-06-11	127	3.4	0.53	0.53	ND	0.04	0.14	0.14	ND	0.04	0.08	0.08
2024-06-17	131	8.4	0.18	0.18	ND	0.04	0.05	0.05	ND	0.04	ND	0.04
2024-06-23	105	3.5	1.90	1.90	ND	0.04	0.15	0.15	0.18	0.18	1.76	1.76
2024-06-29	148	6.5	1.10	1.10	ND	0.04	0.14	0.14	ND	0.04	0.48	0.48
2024-07-05	170	4.3	0.16	0.16	ND	0.04	0.11	0.11	ND	0.04	0.08	0.08
2024-07-11	70	2	7.33	7.33	ND	0.04	0.56	0.56	0.19	0.19	0.29	0.29
2024-07-17	170	3.3	*	*	*	*	*	*	*	*	*	*
2024-07-23	117	2.5	1.46	1.46	ND	0.04	0.10	0.10	0.19	0.19	0.77	0.77
2024-07-29	147	5.8	1.35	1.35	ND	0.03	0.16	0.16	0.06	0.06	0.05	0.05
2024-08-04	194	2.3	0.56	0.56	ND	0.04	0.12	0.12	ND	0.04	ND	0.04
2024-08-10	97	1.9	4.42	4.42	ND	0.03	0.69	0.69	0.31	0.31	0.96	0.96
2024-08-16	165	3.6	0.47	0.47	ND	0.04	0.07	0.07	ND	0.04	0.05	0.05
2024-08-22	167	3.9	0.42	0.42	ND	0.04	0.12	0.12	ND	0.04	0.07	0.07
2024-08-28	110	2.7	1.80	1.80	ND	0.04	0.12	0.12	0.35	0.35	2.47	2.47
2024-09-03	82	3.4	2.04	2.04	ND	0.04	0.08	0.08	0.69	0.69	1.41	1.41
2024-09-09	39	5.3	6.58	6.58	0.05	0.05	0.47	0.47	0.52	0.52	1.43	1.43
2024-09-15	166	2.3	0.40	0.40	ND	0.04	0.10	0.10	ND	0.04	0.10	0.10
2024-09-21	135	4.8	0.69	0.69	ND	0.03	0.14	0.14	ND	0.03	0.03	0.03
2024-09-27	261	1.4	1.13	1.13	ND	0.03	0.36	0.36	0.27	0.27	ND	0.03

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - SCHOOL SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-10-03	88	3.1	2.09	2.09	ND	0.04	0.23	0.23	0.55	0.55	4.57	4.57
2024-10-09	30	1.3	4.04	4.04	ND	0.03	0.42	0.42	1.18	1.18	1.63	1.63
2024-10-15	219	2.5	0.38	0.38	ND	0.03	0.12	0.12	ND	0.03	0.04	0.04
2024-10-21	100	4	2.05	2.05	ND	0.03	0.35	0.35	0.49	0.49	5.98	5.98
2024-10-27	145	2.2	1.41	1.41	ND	0.03	0.16	0.16	0.09	0.09	0.11	0.11
2024-11-02	122	5.3	0.42	0.42	ND	0.03	0.07	0.07	ND	0.03	0.11	0.11
2024-11-08	116	3.4	0.89	0.89	ND	0.03	0.13	0.13	0.03	0.03	0.27	0.27
2024-11-14	27	4.3	5.24	5.24	0.04	0.04	0.26	0.26	0.17	0.17	0.21	0.21
2024-11-20	15	4.9	0.65	0.65	ND	0.04	0.16	0.16	0.04	0.04	0.02	0.02
2024-11-26	9	1.9	0.68	0.68	ND	0.04	0.26	0.26	0.06	0.06	0.06	0.06
2024-12-04 †	159	3.5	0.73	0.73	ND	0.04	0.18	0.18	ND	0.04	0.15	0.15
2024-12-08	267	1.5	1.44	1.44	0.04	0.04	0.26	0.26	ND	0.03	0.05	0.05
2024-12-14	155	3.8	5.61	5.61	0.20	0.20	0.14	0.14	ND	0.03	0.08	0.08
2024-12-20	16	3.7	2.30	2.30	ND	0.04	0.23	0.23	0.22	0.22	0.21	0.21
2024-12-26	182	4	0.47	0.47	ND	0.04	0.16	0.16	ND	0.04	0.12	0.12

	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
Year-To-Date Sum	106.22	106.44	0.32	3.52	12.82	12.82	7.56	8.75	29.50	29.87
Rolling Year Average	1.77	1.77	0.01	0.06	0.21	0.21	0.13	0.15	0.49	0.50
Annual Average	1.77	1.77	0.01	0.06	0.21	0.21	0.13	0.15	0.49	0.50
Quarterly Average	1.89	1.89	0.02	0.05	0.21	0.21	0.19	0.20	0.91	0.91

Number of theoretical sample periods	61	61	61	61	61	61	61	61	61	61
Number of non operational sample periods	1	1	1	1	1	1	1	1	1	1

† - 12/4 is not an official sampling date in the six-day sampling calendar. This date was a makeup for the missed 12/2 sampling date

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

TCEQ Air Monitoring Comparison Values (ppb)			Investigation Limit (ppb)
Chemical	ST	LT	
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	100	1.4	28.2
Ethylene	1,200	30	500
1,3-Butadiene	430	9	25

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - SCHOOL SITE
DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-03-01	36	1.4	1.55	1.55	ND	0.08	0.24	0.24	ND	0.03	0.08	0.08
2024-03-01d	36	1.4	1.12	1.12	ND	0.09	0.24	0.24	ND	0.03	0.07	0.07
Relative Percent Difference (RPD)			32.21%		ND		3.76%		ND		9.32%	
2024-06-05	137	3.9	1.47	1.47	ND	0.04	0.42	0.42	0.23	0.23	0.70	0.70
2024-06-05d	137	3.9	1.53	1.53	ND	0.04	0.38	0.38	0.24	0.24	0.68	0.68
Relative Percent Difference (RPD)			4.00%		ND		9.69%		4.31%		3.64%	
2024-08-16	165	3.6	0.47	0.47	ND	0.04	0.07	0.07	ND	0.04	0.05	0.05
2024-08-16d	165	3.6	0.65	0.65	ND	0.04	0.06	0.06	ND	0.04	0.04	0.04
Relative Percent Difference (RPD)			32.03%		ND		27.04%		ND		11.69%	
2024-09-03	82	3.4	2.04	2.04	ND	0.04	0.08	0.08	0.69	0.69	1.41	1.41
2024-09-03d	82	3.4	2.18	2.18	ND	0.04	0.06	0.06	0.67	0.67	1.37	1.37
Relative Percent Difference (RPD)			6.64%		ND		19.62%		3.67%		2.88%	
2024-12-08	267	1.5	1.44	1.44	0.04	0.04	0.26	0.26	ND	0.03	0.05	0.05
2024-12-08d	267	1.5	1.47	1.47	0.04	0.04	0.26	0.26	ND	0.03	0.05	0.05
Relative Percent Difference (RPD)			2.06%		7.83%		1.93%		ND		6.82%	

d - Duplicate sample taken in addition to the routine sample (see Calculation Methodology for information on inclusion of duplicate sample results.)

RPD values > 25% where both concentrations are >5x MDL for TO-15 compounds (i.e., >0.30 ppb) and >5x RL for ethylene (i.e., >2.5 ppb)

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - PARK SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	1.73	1.73	ND	0.08	0.26	0.26	0.11	0.11	0.04	0.04
2024-01-07	94	6.4	*	*	*	*	*	*	*	*	*	*
2024-01-13	141	4.1	1.04	1.04	ND	0.08	0.32	0.32	0.14	0.14	0.35	0.35
2024-01-19	15	8	*	*	*	*	*	*	*	*	*	*
2024-01-25	349	1.8	3.02	3.02	ND	0.08	0.29	0.29	0.33	0.33	0.10	0.10
2024-01-31	200	0.9	0.78	0.78	ND	0.08	0.14	0.14	ND	0.03	ND	0.03
2024-02-06	183	0.3	1.26	1.26	ND	0.08	0.29	0.29	ND	0.03	0.13	0.13
2024-02-12	335	7.5	0.58	0.58	ND	0.08	0.11	0.11	ND	0.03	ND	0.03
2024-02-18	347	2.9	0.61	0.61	ND	0.08	0.14	0.14	ND	0.03	0.05	0.05
2024-02-24	148	2.8	0.20	0.20	0.07	0.07	0.63	0.63	0.15	0.15	0.38	0.38
2024-03-01	36	1.4	1.61	1.61	ND	0.08	0.22	0.22	ND	0.03	0.06	0.06
2024-03-07	124	6.8	0.41	0.41	ND	0.08	0.07	0.07	ND	0.03	ND	0.03
2024-03-13	163	6.6	0.27	0.27	ND	0.08	0.10	0.10	ND	0.03	ND	0.03
2024-03-19	22	2.4	ND	0.19	ND	0.08	0.30	0.30	0.25	0.25	0.15	0.15
2024-03-25	148	3.1	2.73	2.73	ND	0.08	0.11	0.11	0.20	0.20	0.45	0.45
2024-03-31	152	6	0.21	0.21	ND	0.09	0.10	0.10	ND	0.03	0.05	0.05
2024-04-06	154	8.5	0.21	0.21	ND	0.09	0.06	0.06	ND	0.04	ND	0.04
2024-04-12	130	5.3	0.91	0.91	ND	0.09	0.12	0.12	ND	0.04	0.39	0.39
2024-04-18	142	5.6	0.28	0.28	ND	0.09	0.12	0.12	ND	0.04	0.26	0.26
2024-04-24	125	5.6	0.21	0.21	ND	0.08	0.07	0.07	ND	0.03	ND	0.03
2024-04-30	116	5.1	*	*	*	*	*	*	*	*	*	*
2024-05-06	145	7.5	0.15	0.15	ND	0.08	0.17	0.17	ND	0.03	ND	0.03
2024-05-12	136	6.3	0.46	0.46	ND	0.08	0.22	0.22	ND	0.03	0.07	0.07
2024-05-18	115	2.6	1.65	1.65	ND	0.03	0.33	0.33	0.24	0.24	0.29	0.29
2024-05-24	153	7.6	0.51	0.51	ND	0.03	0.27	0.27	ND	0.03	ND	0.03
2024-05-30	137	7.2	0.36	0.36	ND	0.03	0.12	0.12	ND	0.03	ND	0.03
2024-06-05	137	3.9	2.15	2.15	ND	0.03	0.53	0.53	0.22	0.22	0.26	0.26
2024-06-11	127	3.4	0.94	0.94	ND	0.03	0.15	0.15	0.13	0.13	1.51	1.51
2024-06-17	131	8.4	0.24	0.24	ND	0.03	0.07	0.07	ND	0.03	ND	0.03
2024-06-23	105	3.5	2.93	2.93	ND	0.03	0.12	0.12	0.41	0.41	0.69	0.69
2024-06-29	148	6.5	0.50	0.50	ND	0.03	0.11	0.11	ND	0.03	0.27	0.27
2024-07-05	170	4.3	0.17	0.17	ND	0.03	0.06	0.06	ND	0.03	ND	0.03
2024-07-11	70	2	4.14	4.14	ND	0.03	0.46	0.46	0.19	0.19	0.58	0.58
2024-07-17	170	3.3	*	*	*	*	*	*	*	*	*	*
2024-07-23	117	2.5	2.46	2.46	ND	0.03	0.12	0.12	0.36	0.36	0.88	0.88
2024-07-29	147	5.8	0.42	0.42	ND	0.03	0.10	0.10	ND	0.03	0.04	0.04
2024-08-04	194	2.3	0.52	0.52	ND	0.03	0.08	0.08	ND	0.03	0.05	0.05
2024-08-10	97	1.9	4.38	4.38	ND	0.03	0.25	0.25	0.16	0.16	0.70	0.70
2024-08-16	165	3.6	0.40	0.40	ND	0.03	0.06	0.06	ND	0.03	ND	0.03
2024-08-22	167	3.9	0.60	0.60	0.03	0.03	0.12	0.12	ND	0.03	0.11	0.11
2024-08-28	110	2.7	3.37	3.37	ND	0.03	0.36	0.36	0.83	0.83	3.96	3.96
2024-09-03	82	3.4	2.76	2.76	ND	0.03	0.07	0.07	0.61	0.61	1.54	1.54
2024-09-09	39	5.3	3.01	3.01	ND	0.03	0.46	0.46	0.58	0.58	0.63	0.63
2024-09-15	166	2.3	0.47	0.47	ND	0.03	0.11	0.11	ND	0.03	0.10	0.10
2024-09-21	135	4.8	0.28	0.28	ND	0.03	0.06	0.06	0.19	0.19	0.17	0.17
2024-09-27	261	1.4	0.62	0.62	ND	0.03	0.23	0.23	0.17	0.17	ND	0.03

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - PARK SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-10-03	88	3.1	1.57	1.57	ND	0.03	0.15	0.15	0.44	0.44	0.47	0.47
2024-10-09	30	1.3	6.87	6.87	ND	0.03	0.65	0.65	1.02	1.02	0.25	0.25
2024-10-15	219	2.5	0.36	0.36	ND	0.03	0.10	0.10	ND	0.03	0.02	0.02
2024-10-21	100	4	3.56	3.56	ND	0.03	0.17	0.17	0.58	0.58	0.69	0.69
2024-10-27	145	2.2	1.53	1.53	ND	0.03	0.14	0.14	0.15	0.15	0.10	0.10
2024-11-02	122	5.3	0.67	0.67	ND	0.04	0.06	0.06	0.25	0.25	0.71	0.71
2024-11-08	116	3.4	3.76	3.76	ND	0.03	0.09	0.09	0.09	0.09	0.66	0.66
2024-11-14	27	4.3	4.18	4.18	ND	0.03	0.21	0.21	0.44	0.44	0.50	0.50
2024-11-20	15	4.9	0.83	0.83	ND	0.03	0.13	0.13	0.03	0.03	0.03	0.03
2024-11-26	9	1.9	1.61	1.61	ND	0.03	0.21	0.21	0.05	0.05	0.07	0.07
2024-12-04 †	159	3.5	0.69	0.69	ND	0.04	0.15	0.15	0.16	0.16	0.26	0.26
2024-12-08	267	1.5	1.46	1.46	ND	0.04	0.24	0.24	ND	0.04	0.03	0.03
2024-12-14	155	3.8	0.82	0.82	0.42	0.42	0.15	0.15	ND	0.03	0.07	0.07
2024-12-20	16	3.7	2.86	2.86	ND	0.04	0.20	0.20	0.09	0.09	0.16	0.16
2024-12-26	182	4	5.04	5.04	0.10	0.10	0.20	0.20	ND	0.03	0.14	0.14

	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
Year-To-Date Sum	85.34	85.53	0.62	3.28	10.89	10.89	8.57	9.48	18.39	18.82
Rolling Year Average	1.50	1.50	0.01	0.06	0.19	0.19	0.15	0.17	0.32	0.33
Annual Average	1.50	1.50	0.01	0.06	0.19	0.19	0.15	0.17	0.32	0.33
Quarterly Average	2.39	2.39	0.03	0.06	0.19	0.19	0.22	0.23	0.28	0.28

Number of theoretical sample periods	61	61	61	61	61	61	61	61	61	61
Number of non operational sample periods	4	4	4	4	4	4	4	4	4	4

† - 12/4 is not an official sampling date in the six-day sampling calendar. This date was a makeup for the missed 12/2 sampling date

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

TCEQ Air Monitoring Comparison Values (ppb)			Investigation Limit (ppb)
Chemical	ST	LT	
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	100	1.4	28.2
Ethylene	1,200	30	500
1,3-Butadiene	430	9	25

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - PARK SITE
DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-02-06	183	0.3	1.26	1.26	ND	0.08	0.29	0.29	ND	0.03	0.13	0.13
2024-02-06d	183	0.3	1.22	1.22	ND	0.09	0.29	0.29	ND	0.03	0.13	0.13
Relative Percent Difference (RPD)			3.23%		ND		0.00%		ND		0.80%	
2024-05-06	145	7.5	0.15	0.15	ND	0.08	0.17	0.17	ND	0.03	ND	0.03
2024-05-06d	145	7.5	0.09	0.09	ND	0.09	0.17	0.17	ND	0.03	ND	0.04
Relative Percent Difference (RPD)			52.34%		ND		3.55%		ND		ND	
2024-11-02	122	5.3	0.67	0.67	ND	0.04	0.06	0.06	0.25	0.25	0.71	0.71
2024-11-02d	122	5.3	0.70	0.70	ND	0.04	0.06	0.06	0.24	0.24	0.70	0.70
Relative Percent Difference (RPD)			4.07%		ND		0.16%		4.94%		0.99%	

d - Duplicate sample taken in addition to the routine sample (see Calculation Methodology for information on inclusion of duplicate sample results.)

RPD values > 25% where both concentrations are >5x MDL for TO-15 compounds (i.e., >0.30 ppb) and >5x RL for ethylene (i.e., >2.5 ppb)

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
PC PLANT SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	12.60	12.60	ND	0.09	0.46	0.46	0.79	0.79	0.05	0.05
2024-01-03	355	4.2	5.91	5.91	ND	0.09	0.31	0.31	0.08	0.08	0.05	0.05
2024-01-05	346	2.4	2.59	2.59	ND	0.09	0.26	0.26	ND	0.04	0.43	0.43
2024-01-07	94	6.4	3.63	3.63	ND	0.09	0.25	0.25	0.43	0.43	0.73	0.73
2024-01-09	316	6.5	1.99	1.99	ND	0.09	0.21	0.21	ND	0.04	ND	0.04
2024-01-11	172	5.9	0.55	0.55	ND	0.10	0.12	0.12	ND	0.04	0.24	0.24
2024-01-13	141	4.1	0.65	0.65	ND	0.09	0.12	0.12	ND	0.04	ND	0.04
2024-01-15	9	7.9	27.10	27.10	ND	0.09	0.30	0.30	ND	0.04	ND	0.04
2024-01-17	45	2	21.50	21.50	0.14	0.14	0.30	0.30	0.83	0.83	0.77	0.77
2024-01-19	15	8	43.20	43.20	0.09	0.09	0.59	0.59	0.10	0.10	0.08	0.08
2024-01-21	58	8.7	2.60	2.60	ND	0.09	0.17	0.17	4.10	4.10	2.15	2.15
2024-01-23	145	5.5	0.31	0.31	ND	0.09	0.06	0.06	ND	0.04	ND	0.04
2024-01-25	349	1.8	5.31	5.31	ND	0.10	0.24	0.24	1.09	1.09	0.27	0.27
2024-01-27	336	6	1.08	1.08	ND	0.09	0.20	0.20	ND	0.04	ND	0.04
2024-01-29	215	1.5	7.93	7.93	ND	0.09	0.34	0.34	0.11	0.11	0.33	0.33
2024-01-31	200	0.9	2.20	2.20	0.06	0.06	0.21	0.21	ND	0.04	0.06	0.06
2024-02-02	133	6.8	0.30	0.30	ND	0.09	0.07	0.07	ND	0.04	0.07	0.07
2024-02-04	297	6.3	0.55	0.55	ND	0.09	0.14	0.14	ND	0.03	ND	0.04
2024-02-06	183	0.3	5.68	5.68	ND	0.09	0.33	0.33	0.09	0.09	0.16	0.16
2024-02-08	148	5.3	0.33	0.33	ND	0.09	0.07	0.07	ND	0.03	0.17	0.17
2024-02-10	173	5.9	0.14	0.14	ND	0.10	0.06	0.06	ND	0.04	ND	0.04
2024-02-12	335	7.5	2.19	2.19	ND	0.08	0.25	0.25	0.06	0.06	0.14	0.14
2024-02-14	99	5.4	0.39	0.39	ND	0.09	0.11	0.11	0.10	0.10	0.61	0.61
2024-02-16	158	1.5	2.08	2.08	ND	0.10	0.13	0.13	ND	0.04	0.05	0.05
2024-02-18	347	2.9	2.90	2.90	ND	0.09	0.16	0.16	ND	0.04	0.04	0.04
2024-02-20	184	4.5	0.29	0.29	ND	0.09	0.12	0.12	ND	0.04	ND	0.04
2024-02-22	200	5.3	0.54	0.54	ND	0.09	0.11	0.11	ND	0.04	0.06	0.06
2024-02-24	148	2.8	6.73	6.73	ND	0.09	0.23	0.23	0.76	0.76	3.60	3.60
2024-02-26	197	7.6	0.19	0.19	ND	0.09	0.10	0.10	ND	0.04	0.05	0.05
2024-02-28	4	4.6	4.28	4.28	ND	0.09	0.49	0.49	ND	0.04	ND	0.04
2024-03-01	36	1.4	5.30	5.30	ND	0.09	0.33	0.33	ND	0.04	0.09	0.09
2024-03-03	126	4.7	0.18	0.18	ND	0.09	0.09	0.09	ND	0.04	ND	0.04
2024-03-05	168	0.9	4.36	4.36	0.06	0.06	0.40	0.40	ND	0.04	0.36	0.36
2024-03-07	124	6.8	0.26	0.26	ND	0.09	0.05	0.05	ND	0.04	ND	0.04
2024-03-09	358	5.3	2.84	2.84	ND	0.09	0.17	0.17	ND	0.04	ND	0.04
2024-03-11	119	4.5	1.31	1.31	ND	0.08	0.16	0.16	0.18	0.18	0.75	0.75
2024-03-13	163	6.6	0.17	0.17	ND	0.09	0.09	0.09	ND	0.04	ND	0.04
2024-03-15	120	5.2	0.93	0.93	ND	0.09	0.07	0.07	0.30	0.30	0.79	0.79
2024-03-17	26	4.6	12.70	12.70	ND	0.09	0.48	0.48	0.68	0.68	0.75	0.75
2024-03-19	22	2.4	16.20	16.20	0.10	0.10	0.57	0.57	0.53	0.53	0.89	0.89
2024-03-21	100	5.4	0.28	0.28	ND	0.09	0.09	0.09	ND	0.04	0.43	0.43
2024-03-23	77	2.4	8.90	8.90	0.05	0.05	0.42	0.42	0.92	0.92	0.49	0.49
2024-03-25	148	3.1	2.81	2.81	ND	0.10	0.16	0.16	0.40	0.40	0.80	0.80
2024-03-27	22	2.9	17.60	17.60	0.10	0.10	0.60	0.60	0.62	0.62	0.99	0.99
2024-03-29	156	7.9	0.16	0.16	ND	0.09	0.07	0.07	ND	0.04	ND	0.04
2024-03-31	152	6	0.71	0.71	0.06	0.06	0.23	0.23	ND	0.04	0.08	0.08
2024-04-02	350	4.5	2.74	2.74	ND	0.10	0.19	0.19	ND	0.04	0.06	0.06
2024-04-04	194	1.8	4.12	4.12	0.05	0.05	0.67	0.67	0.33	0.33	0.13	0.13
2024-04-06	154	8.5	0.60	0.60	ND	0.09	0.07	0.07	ND	0.03	ND	0.04
2024-04-08	145	6.8	0.32	0.32	ND	0.09	0.08	0.08	ND	0.04	ND	0.04
2024-04-10	293	6.5	2.03	2.03	ND	0.09	0.18	0.18	ND	0.04	0.07	0.07
2024-04-12	130	5.3	1.56	1.56	ND	0.08	0.17	0.17	0.06	0.06	0.20	0.20

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
PC PLANT SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-04-14	154	6.8	0.18	0.18	ND	0.09	0.07	0.07	ND	0.04	0.18	0.18
2024-04-16	136	7.7	0.22	0.22	ND	0.09	0.09	0.09	ND	0.04	ND	0.04
2024-04-18	142	5.6	0.24	0.24	ND	0.10	0.08	0.08	ND	0.04	0.19	0.19
2024-04-20	121	5.1	1.73	1.73	ND	0.08	0.11	0.11	0.27	0.27	2.02	2.02
2024-04-22	87	3.4	14.90	14.90	0.09	0.09	0.56	0.56	0.80	0.80	0.27	0.27
2024-04-24	125	5.6	0.18	0.18	ND	0.09	0.06	0.06	ND	0.04	ND	0.04
2024-04-26	151	7.9	0.14	0.14	ND	0.09	0.15	0.15	ND	0.04	ND	0.04
2024-04-28	137	8.4	*	*	*	*	*	*	*	*	*	*
2024-04-30	116	5.1	1.25	1.25	ND	0.08	0.14	0.14	0.07	0.07	0.49	0.49
2024-05-02	134	6.9	0.17	0.17	ND	0.09	0.12	0.12	ND	0.04	ND	0.04
2024-05-04	120	6.6	0.09	0.09	ND	0.09	0.13	0.13	ND	0.04	0.13	0.13
2024-05-06	145	7.5	0.31	0.31	ND	0.09	0.12	0.12	ND	0.04	ND	0.04
2024-05-08	149	5.7	0.39	0.39	ND	0.10	0.33	0.33	ND	0.04	ND	0.04
2024-05-10	58	3.8	8.42	8.42	0.06	0.06	0.48	0.48	0.56	0.56	0.91	0.91
2024-05-12	136	6.3	*	*	*	*	*	*	*	*	*	*
2024-05-14	291	1.2	1.93	1.93	ND	0.10	1.13	1.13	ND	0.04	0.18	0.18
2024-05-16	126	4.4	5.92	5.92	0.07	0.07	0.24	0.24	0.15	0.15	0.10	0.10
2024-05-18	115	2.6	2.79	2.79	ND	0.04	0.47	0.47	0.48	0.48	0.40	0.40
2024-05-20	132	5.8	0.25	0.25	ND	0.04	0.14	0.14	ND	0.04	ND	0.04
2024-05-22	143	7.5	0.20	0.20	ND	0.04	0.14	0.14	ND	0.04	ND	0.04
2024-05-24	153	7.6	0.95	0.95	ND	0.04	0.22	0.22	ND	0.04	0.05	0.05
2024-05-26	152	7	*	*	*	*	*	*	*	*	*	*
2024-05-28	119	5.1	2.08	2.08	ND	0.03	0.23	0.23	0.15	0.15	1.03	1.03
2024-05-30	137	7.2	ND	0.23	ND	0.04	0.11	0.11	ND	0.04	ND	0.04
2024-06-01	126	3.5	3.24	3.24	ND	0.03	0.21	0.21	0.34	0.34	1.30	1.30
2024-06-03	152	8.2	ND	0.23	ND	0.04	0.16	0.16	ND	0.04	ND	0.04
2024-06-05	137	3.9	2.91	2.91	ND	0.04	0.41	0.41	1.31	1.31	0.49	0.49
2024-06-07	131	3.3	3.29	3.29	ND	0.04	0.11	0.11	ND	0.04	0.21	0.21
2024-06-09	146	5.3	ND	0.23	ND	0.04	0.07	0.07	ND	0.04	ND	0.04
2024-06-11	127	3.4	0.80	0.80	ND	0.04	0.12	0.12	0.05	0.05	1.87	1.87
2024-06-13	106	2.2	2.05	2.05	ND	0.04	0.14	0.14	0.18	0.18	2.27	2.27
2024-06-15	130	5	0.08	0.08	ND	0.04	0.04	0.04	ND	0.04	ND	0.04
2024-06-17	131	8.4	0.12	0.12	ND	0.04	ND	0.04	ND	0.04	ND	0.04
2024-06-19	55	5.3	8.00	8.00	0.05	0.05	0.15	0.15	1.56	1.56	1.70	1.70
2024-06-21	99	4.9	0.92	0.92	ND	0.04	0.04	0.04	0.61	0.61	1.75	1.75
2024-06-23	105	3.5	1.72	1.72	ND	0.04	0.09	0.09	0.67	0.67	2.76	2.76
2024-06-25	153	5.2	0.10	0.10	ND	0.04	ND	0.04	ND	0.04	ND	0.04
2024-06-27	178	3	1.85	1.85	ND	0.04	0.19	0.19	ND	0.04	ND	0.04
2024-06-29	148	6.5	ND	0.23	ND	0.04	0.05	0.05	ND	0.04	0.19	0.19
2024-07-01	180	1.8	2.37	2.37	ND	0.04	0.28	0.28	0.04	0.04	ND	0.04
2024-07-03	161	5	0.30	0.30	ND	0.04	0.05	0.05	ND	0.04	ND	0.04
2024-07-05	170	4.3	*	*	*	*	*	*	*	*	*	*
2024-07-07	38	4.8	*	*	*	*	*	*	*	*	*	*
2024-07-09	208	1.6	1.06	1.06	ND	0.04	0.15	0.15	ND	0.04	0.07	0.07
2024-07-11	70	2	15.90	15.90	0.08	0.08	1.18	1.18	0.45	0.45	0.80	0.80
2024-07-13	108	2.7	2.82	2.82	ND	0.04	0.12	0.12	0.36	0.36	3.05	3.05
2024-07-15	177	3.9	0.29	0.29	ND	0.04	0.04	0.04	ND	0.04	ND	0.04
2024-07-17	170	3.3	0.77	0.77	ND	0.04	0.09	0.09	ND	0.04	0.04	0.04
2024-07-19	289	0.4	4.14	4.14	ND	0.04	0.28	0.28	0.09	0.09	0.15	0.15
2024-07-21	162	2.7	*	*	*	*	*	*	*	*	*	*
2024-07-23	117	2.5	4.27	4.27	ND	0.04	0.11	0.11	0.59	0.59	1.90	1.90
2024-07-25	176	3.4	0.99	0.99	ND	0.04	0.07	0.07	0.07	0.07	0.22	0.22

PC PLANT SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-07-27	82	2.6	8.43	8.43	ND	0.04	0.41	0.41	0.76	0.76	1.73	1.73
2024-07-29	147	5.8	0.26	0.26	ND	0.04	ND	0.04	ND	0.04	ND	0.04
2024-07-31	164	6.1	*	*	*	*	*	*	*	*	*	*
2024-08-02	167	2.4	0.87	0.87	ND	0.04	0.11	0.11	ND	0.04	0.18	0.18
2024-08-04	194	2.3	*	*	*	*	*	*	*	*	*	*
2024-08-06	213	1.7	1.10	1.10	ND	0.04	0.19	0.19	ND	0.04	ND	0.04
2024-08-08	172	2.7	1.08	1.08	ND	0.04	0.11	0.11	ND	0.04	0.06	0.06
2024-08-10	97	1.9	*	*	*	*	*	*	*	*	*	*
2024-08-12	156	4.6	0.56	0.56	ND	0.04	0.09	0.09	ND	0.04	ND	0.04
2024-08-14	152	4.5	0.46	0.46	ND	0.04	ND	0.04	ND	0.04	0.08	0.08
2024-08-16	165	3.6	0.41	0.41	ND	0.04	0.05	0.05	ND	0.04	ND	0.04
2024-08-18	163	2.6	0.71	0.71	ND	0.04	0.08	0.08	ND	0.04	ND	0.04
2024-08-20	207	2.8	1.35	1.35	ND	0.04	0.23	0.23	ND	0.04	ND	0.04
2024-08-22	167	3.9	0.45	0.45	ND	0.04	0.10	0.10	ND	0.04	0.24	0.24
2024-08-24	112	3.8	0.62	0.62	ND	0.04	0.12	0.12	0.29	0.29	9.57	9.57
2024-08-26	88	2.9	3.48	3.48	ND	0.04	0.16	0.16	1.77	1.77	8.65	8.65
2024-08-28	110	2.7	2.12	2.12	ND	0.04	0.17	0.17	1.44	1.44	11.20	11.20
2024-08-30	40	2.5	9.55	9.55	0.04	0.04	0.51	0.51	0.86	0.86	2.35	2.35
2024-09-01	28	3.1	8.51	8.51	0.11	0.11	0.34	0.34	0.85	0.85	1.09	1.09
2024-09-03	82	3.4	4.18	4.18	ND	0.04	0.11	0.11	2.39	2.39	4.66	4.66
2024-09-05	18	5.7	12.50	12.50	0.08	0.08	0.88	0.88	0.49	0.49	0.43	0.43
2024-09-07	25	7.4	13.70	13.70	0.09	0.09	1.13	1.13	0.40	0.40	0.02	0.02
2024-09-09	39	5.3	10.70	10.70	0.06	0.06	0.35	0.35	2.88	2.88	4.15	4.15
2024-09-11	26	2.2	5.64	5.64	ND	0.04	0.46	0.46	0.41	0.41	0.05	0.05
2024-09-13	143	3.1	2.35	2.35	ND	0.04	0.20	0.20	0.97	0.97	0.90	0.90
2024-09-15	166	2.3	0.41	0.41	ND	0.04	0.05	0.05	ND	0.04	ND	0.04
2024-09-17	152	3.1	2.32	2.32	ND	0.04	0.14	0.14	0.09	0.09	0.84	0.84
2024-09-19	153	4.2	0.40	0.40	ND	0.04	0.04	0.04	ND	0.04	ND	0.04
2024-09-21	135	4.8	0.41	0.41	ND	0.04	0.06	0.06	0.05	0.05	0.07	0.07
2024-09-23	108	2.7	0.65	0.65	ND	0.04	0.07	0.07	ND	0.04	0.09	0.09
2024-09-25	310	0.4	6.00	6.00	0.04	0.04	0.30	0.30	0.09	0.09	0.14	0.14
2024-09-27	261	1.4	2.06	2.06	ND	0.04	0.50	0.50	0.27	0.27	0.03	0.03
2024-09-29	281	0.7	1.82	1.82	ND	0.04	0.19	0.19	0.05	0.05	0.04	0.04
2024-10-01	115	1.4	7.23	7.23	0.04	0.04	0.58	0.58	0.66	0.66	3.20	3.20
2024-10-03	88	3.1	6.81	6.81	ND	0.04	0.44	0.44	0.88	0.88	2.52	2.52
2024-10-05	68	3.8	4.50	4.50	ND	0.04	0.16	0.16	2.60	2.60	3.96	3.96
2024-10-07	52	2.6	5.37	5.37	ND	0.04	0.43	0.43	0.75	0.75	0.53	0.53
2024-10-09	30	1.3	6.52	6.52	ND	0.04	0.55	0.55	1.83	1.83	1.56	1.56
2024-10-11	127	3	1.00	1.00	ND	0.04	0.15	0.15	0.58	0.58	1.92	1.92
2024-10-13	190	3.7	0.89	0.89	ND	0.04	0.14	0.14	ND	0.04	0.04	0.04
2024-10-15	219	2.5	1.21	1.21	ND	0.04	0.21	0.21	ND	0.04	ND	0.04
2024-10-17	84	5	1.07	1.07	ND	0.06	0.15	0.15	1.81	1.81	5.58	5.58
2024-10-19	92	5.7	1.61	1.61	ND	0.04	0.12	0.12	0.89	0.89	9.65	9.65
2024-10-21	100	4	2.57	2.57	ND	0.04	0.18	0.18	1.13	1.13	5.61	5.61
2024-10-23	135	3.8	0.43	0.43	ND	0.04	0.14	0.14	ND	0.04	0.07	0.07
2024-10-25	149	4.1	0.36	0.36	ND	0.03	0.07	0.07	ND	0.03	ND	0.03
2024-10-27	145	2.2	1.26	1.26	ND	0.03	0.11	0.11	0.13	0.13	0.25	0.25
2024-10-29	145	8.4	0.29	0.29	ND	0.03	0.06	0.06	ND	0.03	ND	0.03
2024-10-31	141	2.9	1.04	1.04	ND	0.03	0.25	0.25	5.59	5.59	14.20	14.20
2024-11-02	122	5.3	0.85	0.85	ND	0.03	0.07	0.07	0.09	0.09	1.68	1.68
2024-11-04	158	9.4	*	*	*	*	*	*	*	*	*	*

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
PC PLANT SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-11-06	71	3.4	8.41	8.41	0.08	0.08	0.35	0.35	0.70	0.70	0.60	0.60
2024-11-08	116	3.4	1.13	1.13	ND	0.03	0.13	0.13	0.07	0.07	1.11	1.11
2024-11-10	34	2.8	6.49	6.49	ND	0.03	0.34	0.34	0.34	0.34	0.90	0.90
2024-11-12	112	2.5	3.82	3.82	ND	0.03	0.33	0.33	89.30	89.30	11.60	11.60
2024-11-14	27	4.3	15.30	15.30	0.10	0.10	0.65	0.65	0.94	0.94	0.83	0.83
2024-11-16	132	3.8	0.63	0.63	ND	0.04	0.10	0.10	0.19	0.19	0.90	0.90
2024-11-18	166	5.3	7.01	7.01	0.31	0.31	0.23	0.23	1.00	1.00	0.83	0.83
2024-11-20	15	4.9	5.12	5.12	0.04	0.04	0.35	0.35	0.26	0.26	0.02	0.02
2024-11-22	210	0.5	3.09	3.09	ND	0.04	0.46	0.46	0.08	0.08	0.05	0.05
2024-11-24	187	4.5	0.62	0.62	ND	0.04	0.16	0.16	ND	0.04	0.10	0.10
2024-11-26	9	1.9	7.15	7.15	ND	0.03	0.33	0.33	0.24	0.24	0.10	0.10
2024-11-28	20	6.9	8.23	8.23	ND	0.04	0.25	0.25	0.26	0.26	0.02	0.02
2024-11-30	58	4.4	6.81	6.81	ND	0.04	0.21	0.21	1.17	1.17	1.67	1.67
2024-12-02	70	5	3.27	3.27	ND	0.04	0.24	0.24	1.91	1.91	3.92	3.92
2024-12-04	159	3.5	1.36	1.36	ND	0.04	0.50	0.50	0.33	0.33	0.99	0.99
2024-12-06	57	5.1	8.29	8.29	0.05	0.05	0.23	0.23	1.38	1.38	0.92	0.92
2024-12-08	267	1.5	2.76	2.76	0.04	0.04	0.28	0.28	ND	0.03	0.05	0.05
2024-12-10	344	3.8	2.68	2.68	ND	0.04	0.24	0.24	ND	0.04	0.03	0.03
2024-12-12	105	4	14.30	14.30	0.03	0.03	0.45	0.45	1.32	1.32	3.71	3.71
2024-12-14	155	3.8	1.74	1.74	ND	0.03	0.09	0.09	ND	0.03	0.07	0.07
2024-12-16	136	4.2	1.35	1.35	ND	0.03	0.13	0.13	ND	0.03	0.16	0.16
2024-12-18	13	2.4	7.55	7.55	ND	0.03	0.20	0.20	0.06	0.06	0.95	0.95
2024-12-20	16	3.7	17.40	17.40	0.04	0.04	0.38	0.38	0.43	0.43	0.34	0.34
2024-12-22	92	5.2	3.34	3.34	ND	0.04	0.21	0.21	1.55	1.55	9.25	9.25
2024-12-24	157	5.5	0.57	0.57	ND	0.04	0.07	0.07	ND	0.03	0.26	0.26
2024-12-26	182	4	2.57	2.57	ND	0.03	0.16	0.16	0.06	0.06	0.25	0.25
2024-12-28	206	3.5	0.80	0.80	ND	0.04	0.10	0.10	ND	0.03	0.09	0.09
2024-12-30	196	6.1	0.76	0.76	ND	0.04	0.24	0.24	ND	0.04	0.12	0.12

	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
Year-To-Date Sum	640.78	641.70	2.25	10.56	39.41	39.56	153.94	157.02	178.90	180.59
Rolling Year Average	3.70	3.71	0.01	0.06	0.23	0.23	0.89	0.91	1.03	1.04
Annual Average	3.70	3.71	0.01	0.06	0.23	0.23	0.89	0.91	1.03	1.04
Quarterly Average	4.12	4.12	0.02	0.05	0.25	0.25	2.63	2.64	2.01	2.02

Number of theoretical sample periods

Number of non operational sample periods

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

TCEQ Air Monitoring Comparison Values (ppb)			Investigation Limit (ppb)
Chemical	ST	LT	
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	100	1.4	28.2
Ethylene	1,200	30	500
1,3-Butadiene	430	9	25

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
PC PLANT SITE
DUPLICATE SAMPLE SCHEDULE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-01	15	3.9	12.60	12.60	ND	0.09	0.46	0.46	0.79	0.79	0.05	0.05
2024-01-01d	15	3.9	12.90	12.90	ND	0.09	0.45	0.45	0.81	0.81	0.06	0.06
Relative Percent Difference (RPD)			2.35%		ND		1.77%		2.75%		18.25%	
2024-02-16	158	1.5	2.08	2.08	ND	0.10	0.13	0.13	ND	0.04	0.05	0.05
2024-02-16d	158	1.5	2.36	2.36	ND	0.10	0.13	0.13	ND	0.04	0.05	0.05
Relative Percent Difference (RPD)			12.61%		ND		2.30%		ND		13.28%	
2024-03-01	36	1.4	5.30	5.30	ND	0.09	0.33	0.33	ND	0.04	0.09	0.09
2024-03-01d	36	1.4	5.77	5.77	ND	0.10	0.33	0.33	ND	0.04	0.09	0.09
Relative Percent Difference (RPD)			8.49%		ND		1.81%		ND		0.11%	
2024-04-16	136	7.7	0.22	0.22	ND	0.09	0.09	0.09	ND	0.04	ND	0.04
2024-04-16d	136	7.7	0.22	0.22	ND	0.11	0.10	0.10	ND	0.04	ND	0.04
Relative Percent Difference (RPD)			0.46%		ND		4.47%		ND		ND	
2024-05-14	291	1.2	1.93	1.93	ND	0.10	1.13	1.13	ND	0.04	0.18	0.18
2024-05-14d	291	1.2	1.82	1.82	ND	0.13	0.65	0.65	ND	0.05	0.21	0.21
Relative Percent Difference (RPD)			5.67%		ND		54.08%		ND		15.63%	
2024-06-05	137	3.9	2.91	2.91	ND	0.04	0.41	0.41	1.31	1.31	0.49	0.49
2024-06-05d	137	3.9	2.72	2.72	ND	0.05	0.36	0.36	0.98	0.98	0.42	0.42
Relative Percent Difference (RPD)			6.75%		ND		12.84%		28.52%		15.52%	
2024-07-11	70	2	15.90	15.90	0.08	0.08	1.18	1.18	0.45	0.45	0.80	0.80
2024-07-11d	70	2	16.10	16.10	0.07	0.07	1.17	1.17	0.43	0.43	0.78	0.78
Relative Percent Difference (RPD)			1.25%		11.64%		0.85%		4.57%		3.54%	
2024-08-06	213	1.7	1.10	1.10	ND	0.04	0.19	0.19	ND	0.04	ND	0.04
2024-08-06d	213	1.7	1.23	1.23	ND	0.07	0.21	0.21	ND	0.07	ND	0.06
Relative Percent Difference (RPD)			11.16%		ND		9.18%		ND		ND	
2024-09-25	310	0.4	6.00	6.00	0.04	0.04	0.30	0.30	0.09	0.09	0.14	0.14
2024-09-25d	310	0.4	6.10	6.10	ND	0.04	0.30	0.30	0.09	0.09	0.14	0.14
Relative Percent Difference (RPD)			1.65%		5.95%		0.34%		1.11%		0.71%	
2024-10-03	88	3.1	6.81	6.81	ND	0.04	0.44	0.44	0.88	0.88	2.52	2.52
2024-10-03d	88	3.1	7.54	7.54	ND	0.04	0.47	0.47	0.96	0.96	2.65	2.65
Relative Percent Difference (RPD)			10.17%		ND		7.51%		9.36%		5.03%	
2024-11-08	116	3.4	1.13	1.13	ND	0.03	0.13	0.13	0.07	0.07	1.11	1.11
2024-11-08d	116	3.4	1.08	1.08	ND	0.03	0.12	0.12	0.07	0.07	1.08	1.08
Relative Percent Difference (RPD)			4.52%		ND		2.39%		2.95%		2.74%	
2024-12-02	70	5	3.27	3.27	ND	0.04	0.24	0.24	1.91	1.91	3.92	3.92
2024-12-02d	70	5	3.12	3.12	ND	0.03	0.24	0.24	2.00	2.00	4.04	4.04
Relative Percent Difference (RPD)			4.69%		ND		3.35%		4.60%		3.02%	

d - Duplicate sample taken in addition to the routine sample (see Calculation Methodology for information on inclusion of duplicate sample results.)

RPD values > 25% where both concentrations are >5x MDL for TO-15 compounds (i.e., >0.30 ppb) and >5x RL for ethylene (i.e., >2.5 ppb)

* - non operational, data from the PC site was used for Wind Direction and Wind Speed, if available

FORMOSA VOC CANISTER ANALYSIS
4th QUARTER 2024
POINT COMFORT - FNORTH SITE

SAMPLE DATE	AVG. WIND DIRECTION (Degrees)	AVG. WIND SPEED (mph)	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
			Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
2024-01-07	99	10	4.02	4.02	ND	0.10	0.25	0.25	ND	0.04	0.09	0.09
2024-02-12	324	12.7	0.18	0.18	ND	0.10	0.13	0.13	ND	0.04	ND	0.04
2024-03-07	130	11.3	26.90	26.90	ND	0.09	0.17	0.17	0.07	0.07	0.15	0.15
2024-04-12	121	8.8	16.80	16.80	ND	0.09	0.14	0.14	0.12	0.12	0.07	0.07
2024-05-23	141	15.4	4.80	4.80	0.06	0.06	0.26	0.26	0.61	0.61	0.06	0.06
2024-06-11	112	4.4	1.92	1.92	ND	0.04	0.13	0.13	0.05	0.05	0.04	0.04
2024-07-26	99	2.3	8.17	8.17	0.05	0.05	0.36	0.36	0.08	0.08	0.14	0.14
2024-08-10	76	3.8	5.10	5.10	ND	0.04	0.12	0.12	ND	0.04	0.04	0.04
2024-09-15	189	3.7	1.65	1.65	ND	0.04	0.10	0.10	0.08	0.08	0.12	0.12
2024-10-09	24	1.6	1.37	1.37	ND	0.04	0.25	0.25	0.08	0.08	0.09	0.09
2024-11-08	103	5	7.92	7.92	ND	0.04	0.10	0.10	0.04	0.04	0.05	0.05
2024-12-08	274	2.6	1.99	1.99	0.04	0.04	0.25	0.25	ND	0.04	0.86	0.86

	ETHYLENE		1,3-BUTADIENE		BENZENE		VINYL CHLORIDE		ETHYLENE DICHLORIDE	
	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)	Actual (ppb)	1/2 Reported LOD (ppb)
Year-To-Date Sum	80.82	80.82	0.15	0.71	2.25	2.25	1.13	1.28	1.71	1.74
Rolling Year Average	6.74	6.74	0.01	0.06	0.19	0.19	0.09	0.11	0.14	0.15
Annual Average	6.74	6.74	0.01	0.06	0.19	0.19	0.09	0.11	0.14	0.15
Quarterly Average	3.76	3.76	0.01	0.04	0.20	0.20	0.04	0.05	0.33	0.33

Number of theoretical sample periods	12	12	12	12	12	12	12	12	12	12
Number of non operational sample periods	0	0	0	0	0	0	0	0	0	0

* - non operational, data from the FNorth site was used for Wind Direction and Wind Speed, if available

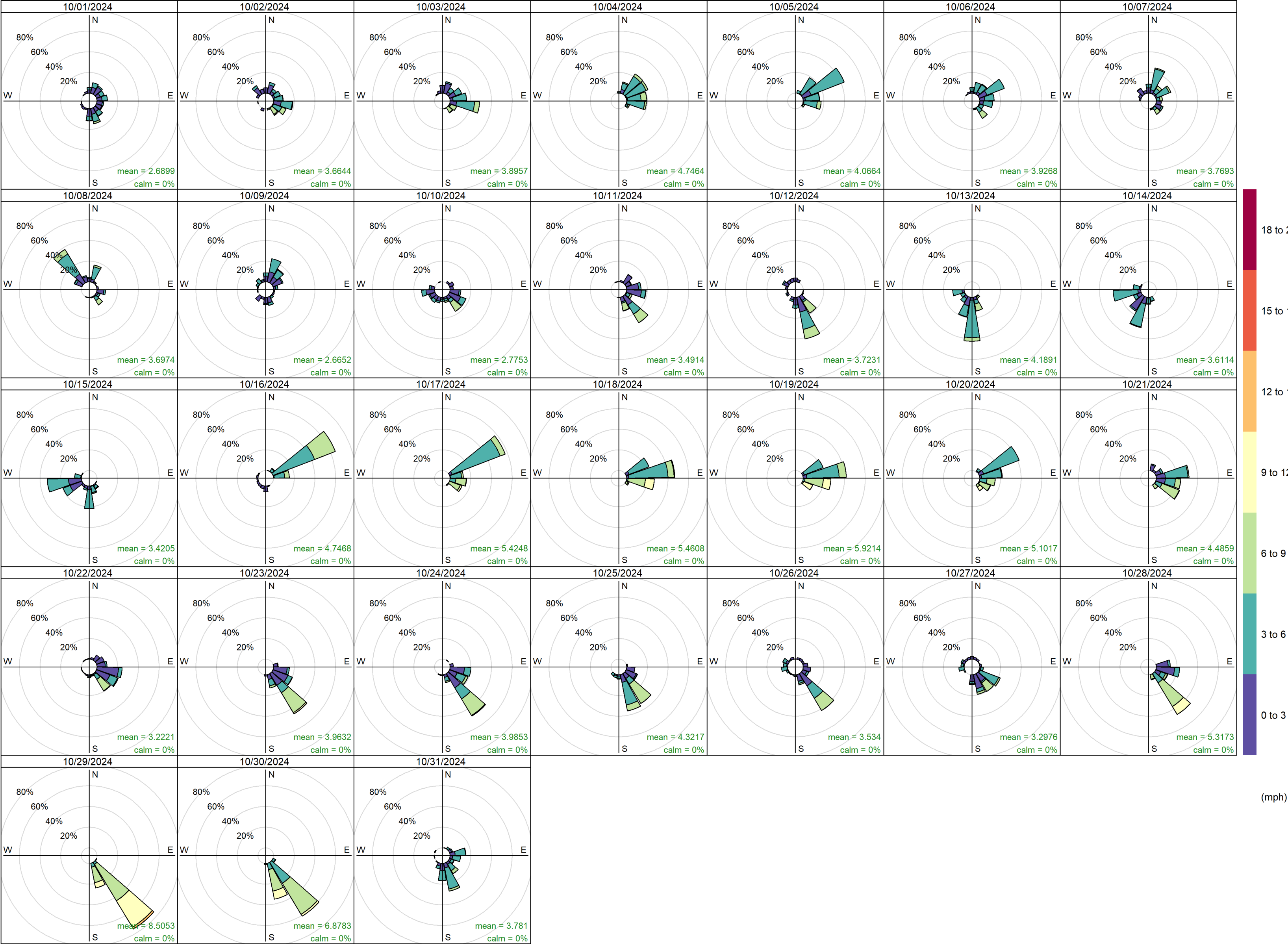
TCEQ Air Monitoring Comparison Values (ppb)			Investigation Limit (ppb)
Chemical	ST	LT	
Vinyl Chloride	27,000	0.47	25
Ethylene Dichloride	94	0.72	29.7
Benzene	100	1.4	28.2
Ethylene	1,200	30	500
1,3-Butadiene	430	9	25

Summary of Non-operational Periods
4th QUARTER 2024
Point Comfort SUMMA Canister System

SUMMA Site	Date(s)	Description of Problem	Corrective Action
PC Plant	11/4/2024	Collection failed because canister was closed	Opened canister

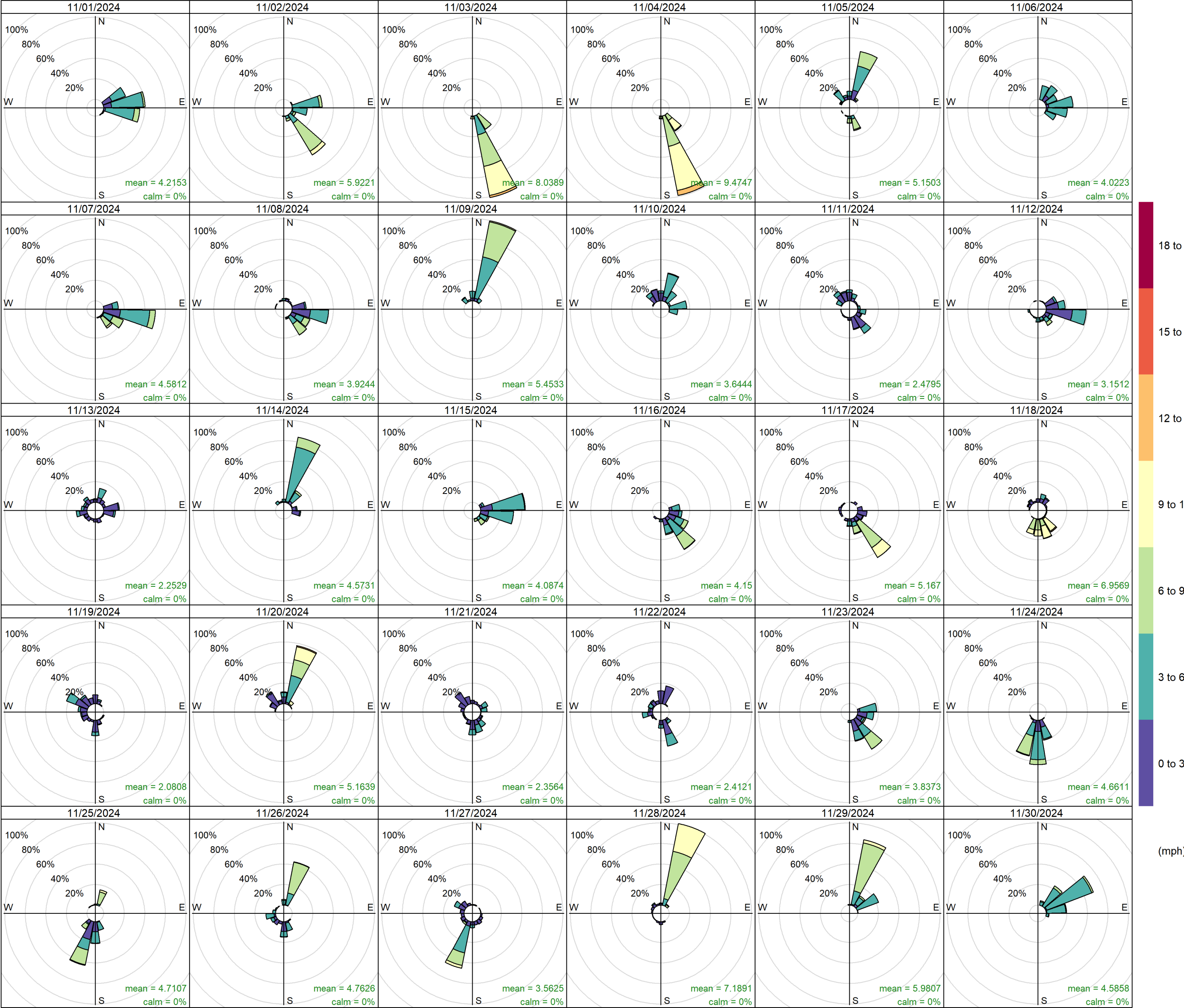
Data return %	99.0%
Downtime %	1.0%

FTIR FPC Wind Roses



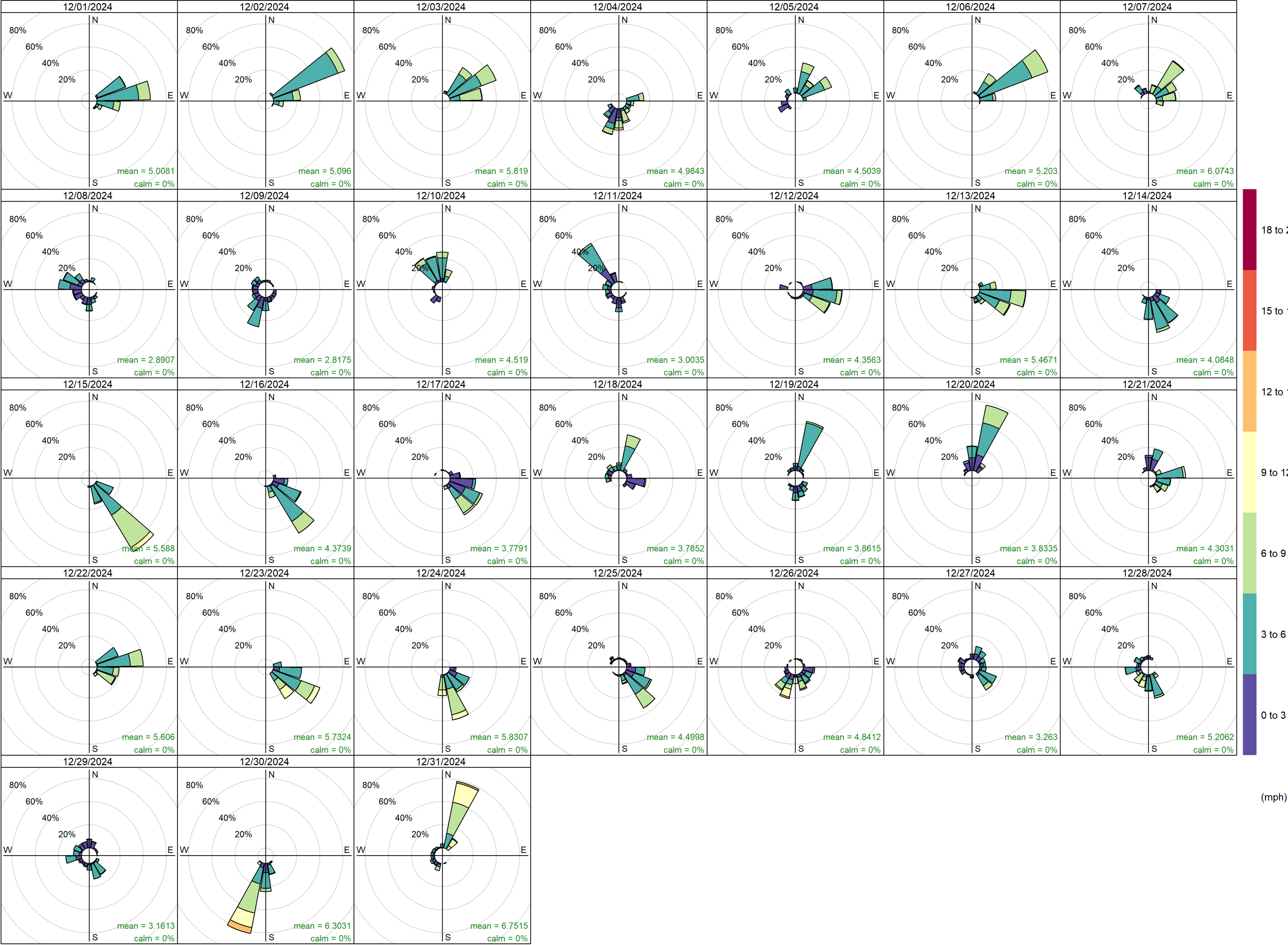
Frequency of counts by wind direction (%)

FTIR FPC Wind Roses



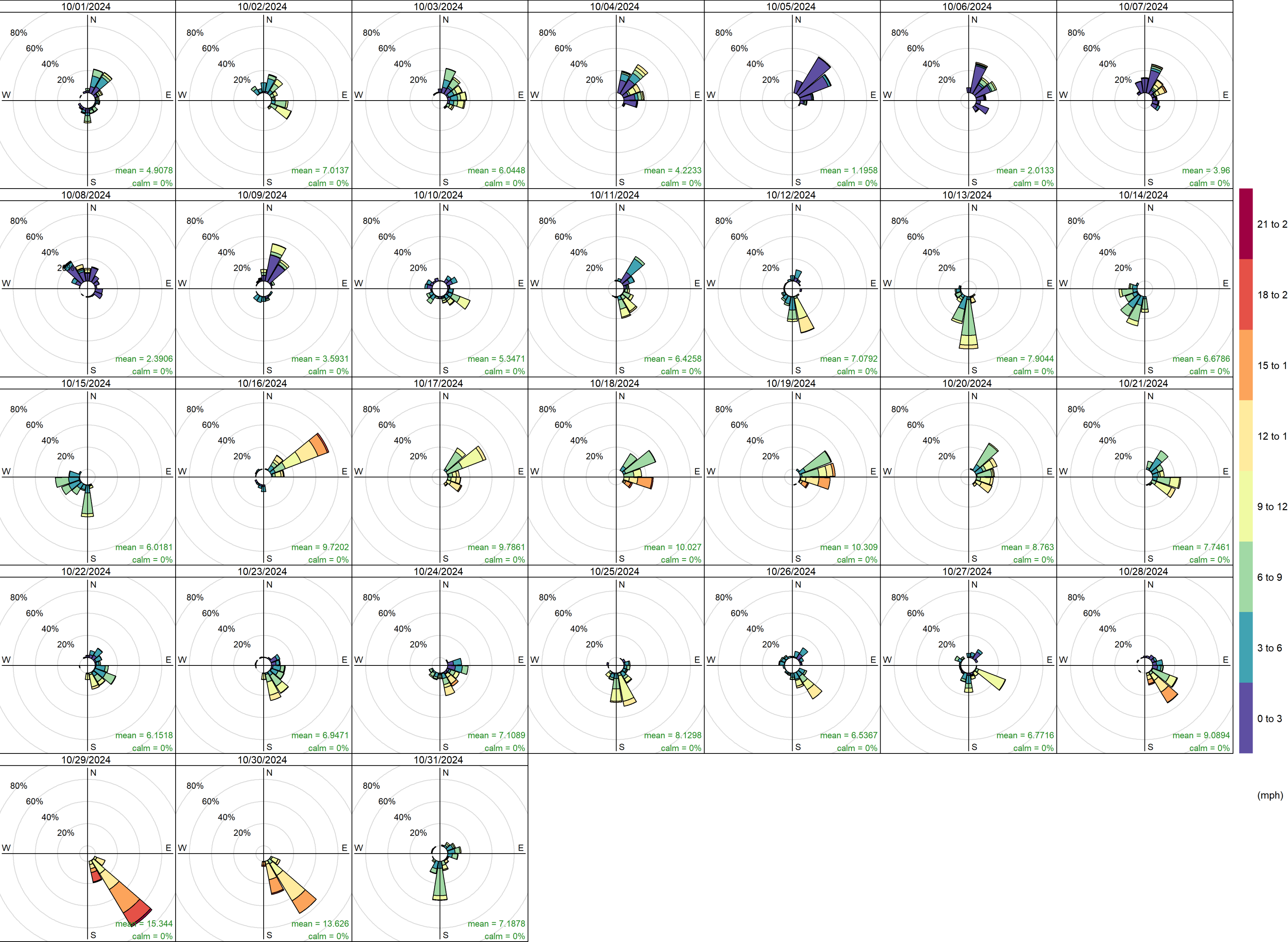
Frequency of counts by wind direction (%)

FTIR FPC Wind Roses



Frequency of counts by wind direction (%)

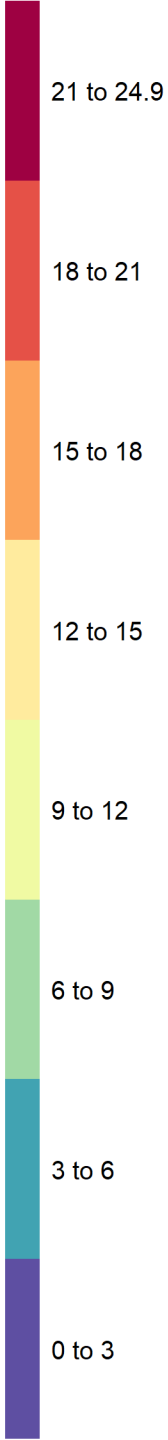
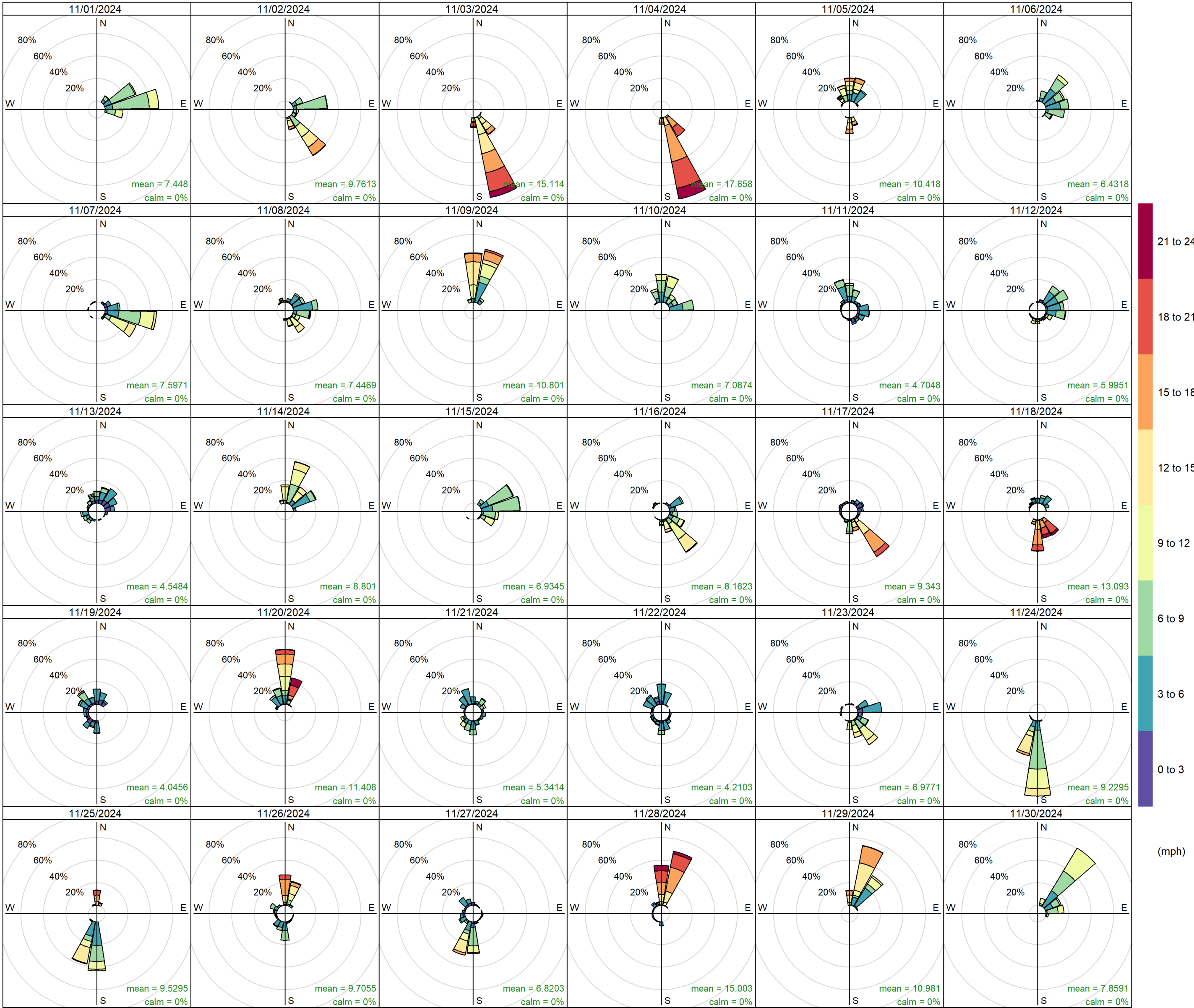
FTIR FNorth Wind Roses



(mph)

Frequency of counts by wind direction (%)

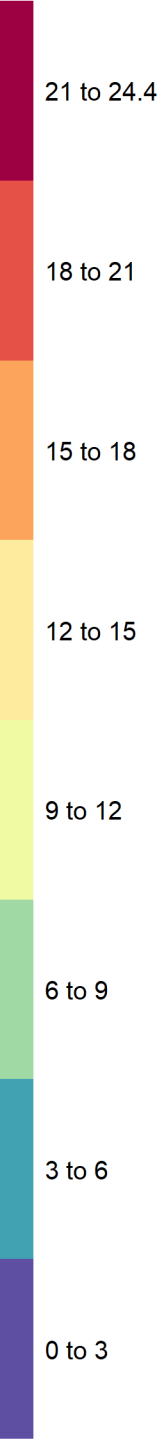
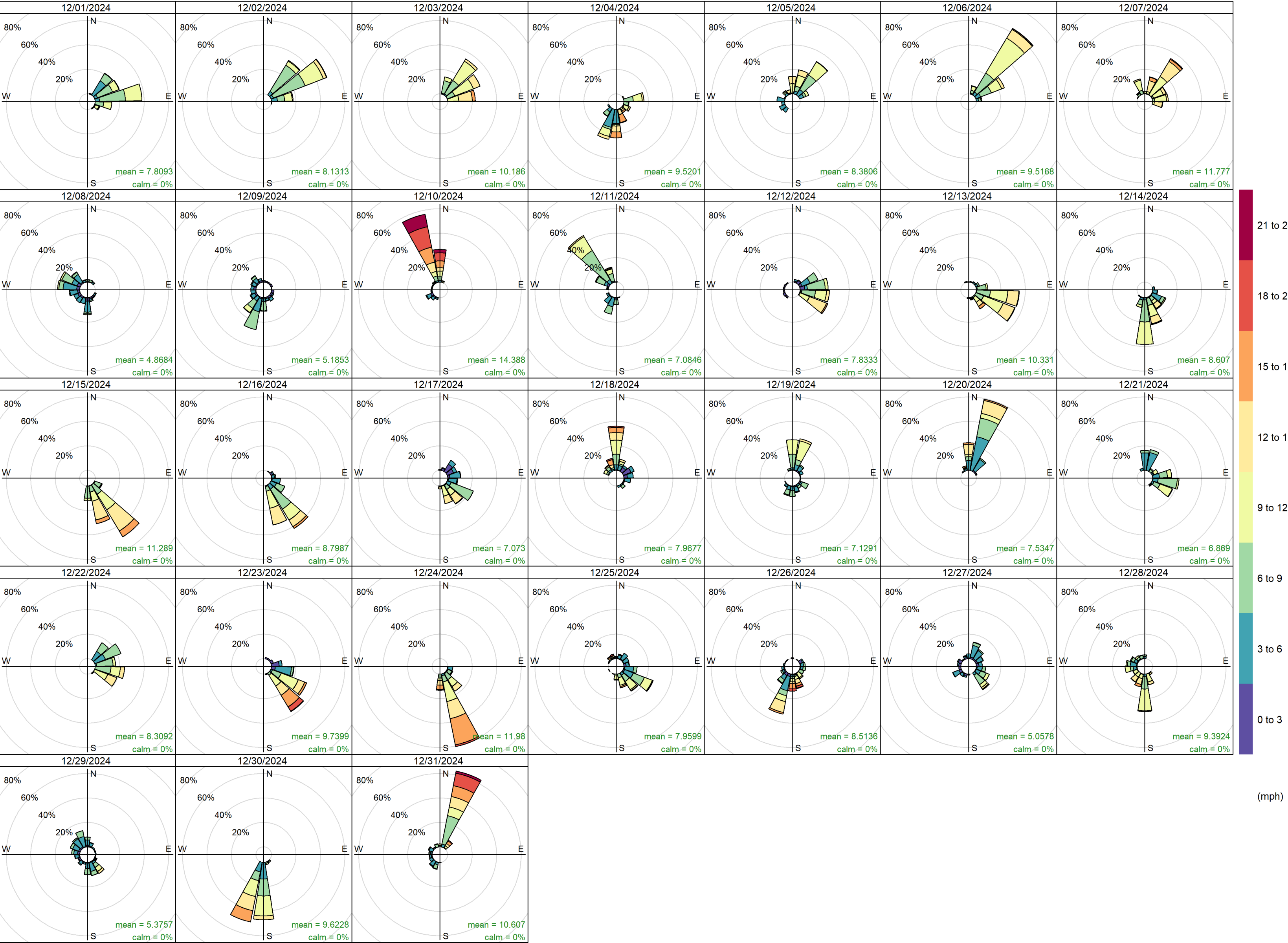
FTIR FNorth Wind Roses



(mph)

Frequency of counts by wind direction (%)

FTIR FNorth Wind Roses



(mph)

Frequency of counts by wind direction (%)