Peace River Area Monitoring Program

MAY 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202405

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

June 19, 2024

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LIST OF ACRONYMS

AAAQOs	Alberta Ambient Air Quality Objectives
AEP	Alberta Environment and Parks
AMD	Air Monitoring Directive
AT	Ambient Temperature
BP	Barometric Pressure
CH4	Methane
EPEA	Environmental Protection and Enhancement Act
H2S	Hydrogen Sulphide
kph	kilometers per hour
mb	millibar
mm	millimeter
NMHC	Non-Methane Hydrocarbons
ppb	parts per billion
ppm	parts per million
PRAMP	Peace River Area Monitoring Program
RH	Relative Humidity
SO2	Sulphur Dioxide
ST	Station Temperature
THC	Total Hydrocarbons
TRS	Total Reduced Sulphur
VWD	Vector Wind Direction
VWS	Vector Wind Speed
WD	Wind Direction
WS	Wind Speed
°C	Degrees Celsius

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June 19, 2024

RE: PRAMP – May 2024 Monthly Ambient Air Quality Monitoring Report

Enclosed is the May 2024 Monthly Ambient Air Quality Monitoring Report for the continuous ambient air quality monitoring stations of the Peace River Area Monitoring Program (PRAMP) regional air quality monitoring network.

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
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This report has been prepared, review and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility operating approvals.

PRAMP Airshed has retained the services of Bureau Veritas Canada to conduct continuous ambient monitoring on its behalf.

NETWORK STATION SUMMARY

Listing of Continuous Monitoring Stations

The PRAMP continuous ambient air quality monitoring network stations are:

- 986-C Station
- 842-B Station
- Reno-B Station
- AQHI Grimshaw
- Peace River Complex (PRC) Station

Station ID	Station Name	Latitude	Longitude
1562	986-C	56.36980	-116.92500
1561	842-B	56.27406	-116.98129
1563	Reno-B	55.890868	-117.137080
1689	AQHI-Grimshaw	56.18657	-117.604994
1698	PRC	56.38257	-116.769283

Listing of Intermittent Monitoring Stations

- VOC Canister Sampling Station
    - 986-C Station
    - 842-B Station
    - Reno-B Station

Listing of PRAMP member with EPEA Facility Operating Approval

Company	Facility	Approval No.
Canadian Natural Upgrading Limited	Peace River Complex	1642-03-00

Calibration and Data Submission

Hourly data and calibration reports for May 2024 were submitted to the ETS data system for the 986-C station, 842-B station, Reno-B station, PRC station and AQHI-Grimshaw station.

Monitoring Notes during the Month of May 2024

986-C Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime.

842-B Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

Reno-B Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

PRC Station

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- No major operational issues were recorded this month.

AQHI – Grimshaw Station

- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and /or Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable, except PM2.5. Forty-three 1-hour and three 24-hour PM2.5 exceedances were recorded this month due to wildfire smoke. As the bulk reporting protocol is in effect, all measured exceedances of the 1-hour PM2.5 AAAQG were not required to be reported to Alberta EDGE. No reference numbers were assigned as a result.

Date	Time (MST)	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
May 10	22	1-Hour	101	14.8	14°(NNE)	N/A
May 10	23	1-Hour	697	11.5	18°(NNE)	N/A
May 10	-	24-Hour	38	20.0	260°(WSW)	428835
May 11	0	1-Hour	1144	9.8	354°(N)	N/A
May 11	1	1-Hour	1120	8.2	339°(NNW)	N/A
May 11	2	1-Hour	970	8.5	338°(NNW)	N/A
May 11	3	1-Hour	822	7.7	336°(NNW)	N/A
May 11	4	1-Hour	765	7.2	327°(NW)	N/A

Date	Time (MST)	Average Period	Concentration (µg/m3)	Wind speed (km/hr)	Wind Direction	Reference #
May 11	5	1-Hour	950	9.2	322°(NW)	N/A
May 11	6	1-Hour	907	9.4	325°(NW)	N/A
May 11	7	1-Hour	793	8.0	332°(NNW)	N/A
May 11	8	1-Hour	536	6.7	341°(NNW)	N/A
May 11	9	1-Hour	307	5.3	318°(NW)	N/A
May 11	10	1-Hour	280	5.9	304°(WNW)	N/A
May 11	11	1-Hour	228	7.4	303°(WNW)	N/A
May 11	12	1-Hour	203	6.6	308°(NW)	N/A
May 11	13	1-Hour	163	6.3	324°(NW)	N/A
May 11	14	1-Hour	175	4.1	350°(N)	N/A
May 11	15	1-Hour	172	3.9	274°(W)	N/A
May 11	16	1-Hour	165	2.1	271°(W)	N/A
May 11	17	1-Hour	212	7.2	226°(SW)	N/A
May 11	18	1-Hour	271	11.6	205°(SSW)	N/A
May 11	19	1-Hour	269	7.3	215°(SSW)	N/A
May 11	20	1-Hour	272	3.6	241°(WSW)	N/A
May 11	21	1-Hour	278	3.5	284°(WNW)	N/A
May 11	22	1-Hour	274	2.7	340°(NNW)	N/A
May 11	23	1-Hour	274	2.2	348°(NNW)	N/A
May 11	-	24-Hour	481	6.4	310°(NW)	428835
May 12	0	1-Hour	257	1.0	342°(NNW)	N/A
May 12	1	1-Hour	271	2.1	48°(NE)	N/A
May 12	2	1-Hour	285	3.1	50°(NE)	N/A
May 12	3	1-Hour	288	3.3	56°(NE)	N/A
May 12	4	1-Hour	289	3.0	70°(ENE)	N/A
May 12	5	1-Hour	288	4.0	53°(NE)	N/A
May 12	6	1-Hour	282	6.6	69°(ENE)	N/A
May 12	7	1-Hour	235	5.2	84°(E)	N/A
May 12	8	1-Hour	163	6.8	89°(E)	N/A
May 12	9	1-Hour	133	8.0	63°(ENE)	N/A
May 12	10	1-Hour	100	8.9	67°(ENE)	N/A
May 12	11	1-Hour	131	5.7	84°(E)	N/A
May 12	12	1-Hour	154	6.0	76°(ENE)	N/A
May 12	13	1-Hour	128	0.8	273°(W)	N/A
May 12	14	1-Hour	92	4.8	222°(SW)	N/A
May 12	-	24-Hour	136	6.0	66°(ENE)	428835
May 15	9	1-Hour	86	2.5	49°(NE)	N/A
May 15	10	1-Hour	98	3.2	81°(E)	N/A

- Elevated NOx readings were recorded on May 2 and May 3. One-Minute data were reviewed, and data validity was confirmed, although some of the 1-minute data were above the calibration range, which was 500 ppb. These elevated values are likely due to a sustained wind pattern predominantly from the north, with low wind speeds hindering the dispersion of pollutants, especially overnight. This positioned the main commercial district and residential areas of Grimshaw north of the station.

VOCs Canister Sampling Program

- The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
- The canister sample collection systems are in place at Station 986-C, 842-B, and the Reno-B Station; a canister sample collection system is not part of the suite of instruments currently deployed at both the PRC station and the AQHI-Grimshaw station.
- Sample analysis and analytical results were prepared and provided by InnoTech Alberta.
- The canister sampling program was temporarily paused between May 13 and May 21 due to wildfire smokes. Starting May 10, intense wildfire smoke in the region caused NMHC concentrations to spike, resulting in PRAMP's canister systems being automatically activated to collect samples. The objective of the PRAMP canister program is to provide data and information about ambient hydrocarbon concentrations from local industrial sources. Collecting samples triggered by wildfire smoke is not within the intended scope of this component of the regional monitoring program. Therefore, the canister sampling program was paused pending dissipation of wildfire smoke and an improvement in air quality conditions.
- One NMHC canister was collected on May 11 when the 5-minute average of NMHC concentration reached to 0.34ppm at 03:05. The canister sample started being collected at 03:10 for an hour.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the ETS data system this month.

Deviations from Authorized Monitoring Methods

No deviations from authorized monitoring methods were recorded this month.

Disclaimer

Baseline corrections were performed on the 1-minute data. 5-minute and hourly data were calculated based on the post-baseline correction 1-minute data set. Data verification/validation were then performed on the 5-minute and hourly data. Hourly data that are included in this report are the post-validation hourly data set.

Equipment calibration / maintenance records were provided by Bureau Veritas.

Certification

This report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

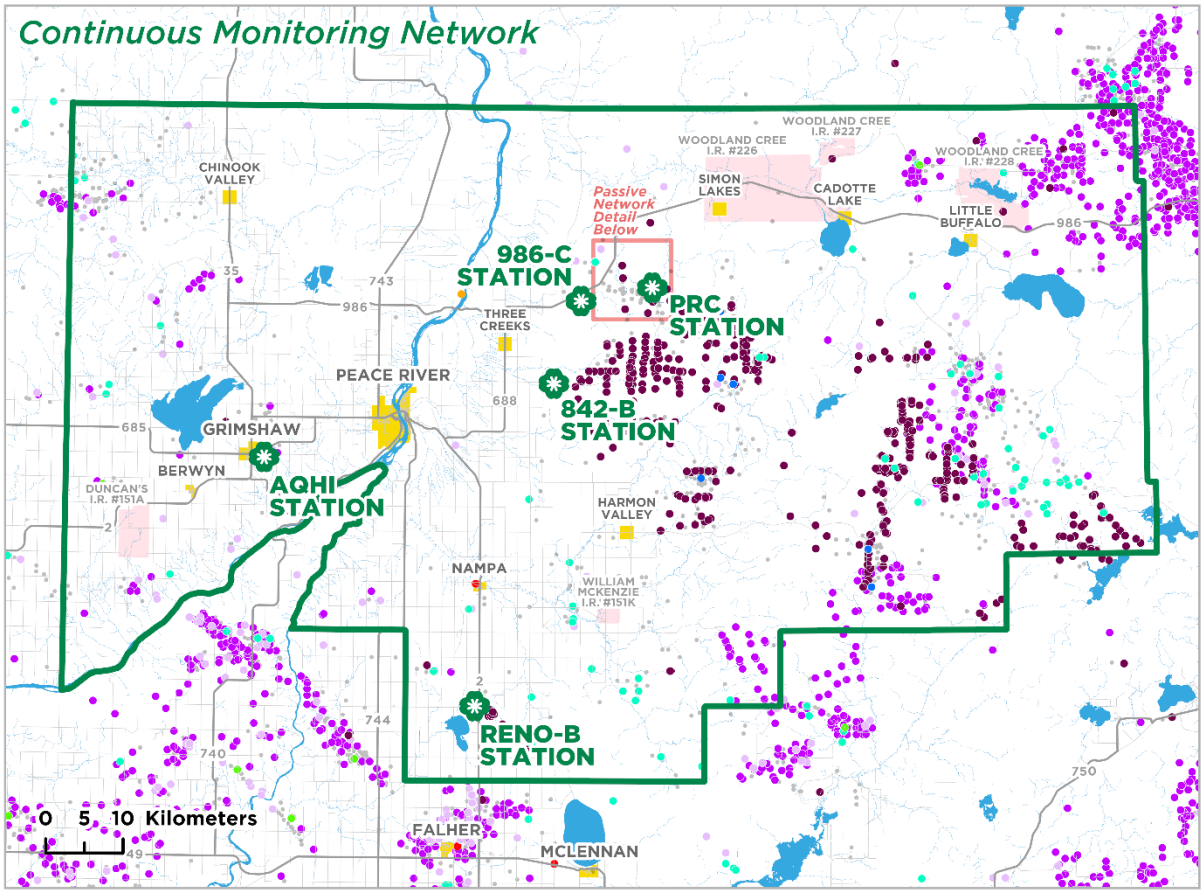
Lily Lin, Technical Program Manager, PRAMP Airshed

This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements. I also certify that at the time of this report's submission, all air data have been electronically uploaded to ETS data system as required by the AMD. Uploading of VOC data from the canister sampling program was not required at the time of completing this report.

Michael Bisaga, Technical Program Manager, PRAMP Airshed

Map of PRAMP Continuous Monitoring Network

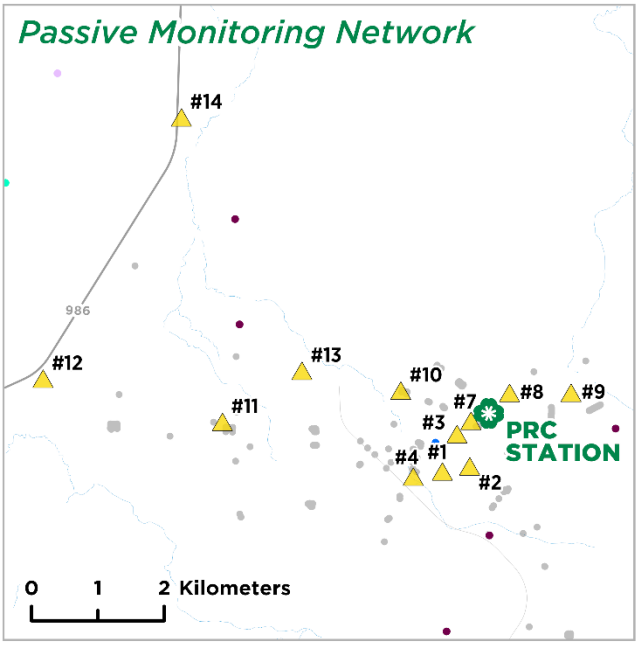


Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)



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CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	• The May 15's schedule daily zero-span check was interrupted by Windows/ datalogger reset. A successful repeat zero-span check was completed on May 16 at hour 06. One hour of downtime was recorded. • A successful monthly calibration was performed on May 16. • The daily span check results drifted low due to a depleted permeation tube on May 19 onwards. A repeat zero-span check was initiated on May 20 at hour 7 to confirm the drift. The permeation tube was replaced during the site visit in July. One hour of downtime was recorded due to the additional quality check.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	• A repeat zero-span check was completed on May 6 at hour 6 to assess span drift. The check results were within the acceptable ranges. No further actions were required. One hour of downtime was recorded due to the additional quality check. • The May 15's schedule daily zero-span check was interrupted by Windows/ datalogger reset. A successful repeat zero-span check was completed on May 16 at hour 06. One hour of downtime was recorded. • A successful monthly calibration was performed on May 16.
THC/CH4/NMHC Thermo 55i #1022143392 H2 Generator HG300 #191267063 Zero Air Supply Teledyne T701 #468	• The May 15's schedule daily zero-span check was interrupted by Windows/ datalogger reset. A successful repeat zero-span check was completed on May 16 at hour 06. One hour of downtime was recorded. • A successful monthly calibration was performed on May 16. • No operational issues were identified this month.
RH Rotronic HC2-S3 #20626912	• The RH probe was checked on May 16. The probe passed the check requirements. • No operational issues were identified this month.

Parameter	Equipment Operational Summary
BP MetOne 092 #Y23358	• The BP sensor was checked on May 16. The sensor passed the check requirements. • No operational issues were identified this month.
AT Rotronic HC2-S3 #20626912	• The AT probe was checked on May 16. The probe passed the check requirements. • No operational issues were identified this month.
ST COMET #18961918	• No operational issues were identified this month.
Precipitation RM Young 52202 #TB 16325	• The precipitation gauge was checked on May 16. The gauge and its system passed the check requirements. • No operational issues were identified this month.
WS/ WD RM Young 05305AQ #180340	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were check on May 16. The wind system passed the check requirements. • No operational issues were identified this month.

Monitored Data Summary for 986-C Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	May 4 at hr 5	7.5	ENE	0.4	May 11	99.7	94.6
TRS (ppb)	-	-	-	-	-	-	0.43	0.04	1.38	May 11 at hr 4	6.4	WNW	0.90	May 15	99.7	94.6
THC (ppm)	-	-	-	-	-	-	1.98	1.91	2.23	May 11 at hr 2	10.2	NW	2.11	May 11	99.9	94.9
CH4 (ppm)	-	-	-	-	-	-	1.98	1.90	2.22	May 11 at hr 2	10.2	NW	2.11	May 11	99.9	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.02	May 10 at hr 23	13.5	N	0.01	May 9	99.9	94.9
RH (%)	-	-	-	-	-	-	59.6	14	100	May 6 at hr 23	0.6	NE	99.4	May 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	938	926	952	May 9 at hr 6	7.4	SW	950	May 9	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	10.5	-0.5	25.3	May 10 at hr 16	24.5	W	18.2	May 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	23.2	22.3	24.6	May 16 at hr 11	5.9	ENE	23.6	May 13	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	66.5	0.0	6.2	May 28 at hr 23	1.3	S	17.6	May 16	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	1.0	0.2	31.3	May 10 at hr 21	31.3	N	21.6	May 10	100.0	100.0
WDV (sector)	-	-	-	-	-	-	292 (WNW)	-	-	-	-	-	-	-	100.0	100.0

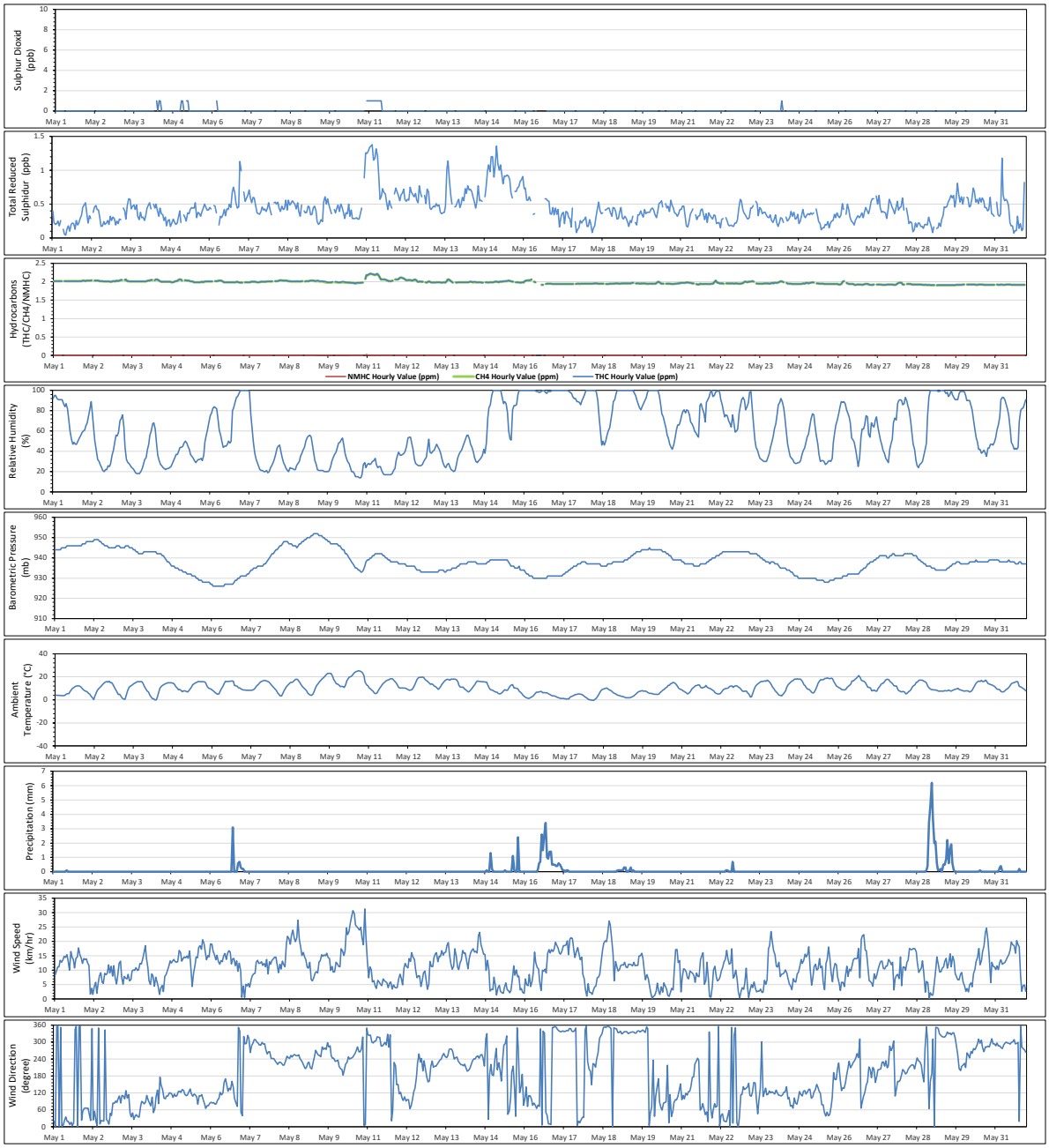
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of May 2024 - 986-C Station



842-B Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	• A successful monthly calibration was performed on May 14. • No operational issues were noted.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583	• A successful monthly calibration was performed on May 14. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1501663728 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #1087	• A successful monthly calibration was performed on May 14. • A repeat zero-span check was initiated on May 28 at hour 6 to assess span drift. The check results were within the acceptable ranges. No further actions were required. One hours of downtime was recorded due to the additional quality check.
RH Rotronic HC2-S3 #20370767	• The RH probe was checked on May 14. The probe passed the check requirements. • No operational issues were noted.
AT Rotronic HC2-S3 #20370767	• The AT probe was checked on May 14. The probe passed the check requirements. • No operational issues were noted.
BP MetOne 092 #Y23362	• The BP sensor was checked on May 14. The sensor passed the check requirements. • Significant data drift was noticed between May 15 hour 20 and May 16 hour 8. Data were deemed invalid and were discarded. Thirteen hours of downtime were recorded as a result.
ST COMET #20790297	• No operational issues were noted.

Parameter	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15878	• The precipitation gauge was checked on May 14. The gauge and its system passed the check requirements. • No operational issues were identified this month.
WS/ WD RM Young 05305AQ #174802	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were check on May 14. Both the wind speed sensor and wind direction sensor passed the check requirements. • No operational issues were noted.

Monitored Data Summary for 842-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	2	May 11 at hr 2	6.3	NNW	0.7	May 11	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.58	0.36	1.66	May 11 at hr 7	4.3	NW	1.23	May 11	100.0	95.0
THC (ppm)	-	-	-	-	-	-	1.94	1.87	2.13	May 12 at hr 2	2.7	E	2.02	May 11	99.9	94.9
CH4 (ppm)	-	-	-	-	-	-	1.94	1.87	2.13	May 12 at hr 2	2.7	E	2.02	May 11	99.9	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	May 1 at hr 0	4.9	NNE	0.00	May 1	99.9	94.9
RH (%)	-	-	-	-	-	-	60.3	14	99	May 1 at hr 0	4.9	NNE	99.0	May 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	937	924	951	May 9 at hr 6	8.9	WSW	949	May 9	98.3	98.3
Ext. Temp. (°C)	-	-	-	-	-	-	10.9	-1.2	25.4	May 10 at hr 16	30.3	W	18.3	May 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.4	21.4	23.9	May 23 at hr 8	4.4	S	22.9	May 13	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	59.6	0.0	3.7	May 15 at hr 18	6.5	WSW	16.2	May 16	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	2.9	0.0	30.3	May 10 at hr 16	30.3	W	19.2	May 10	100.0	100.0
WDV (sector)	-	-	-	-	-	-	278 (W)	-	-	-	-	-	-	-	100.0	100.0

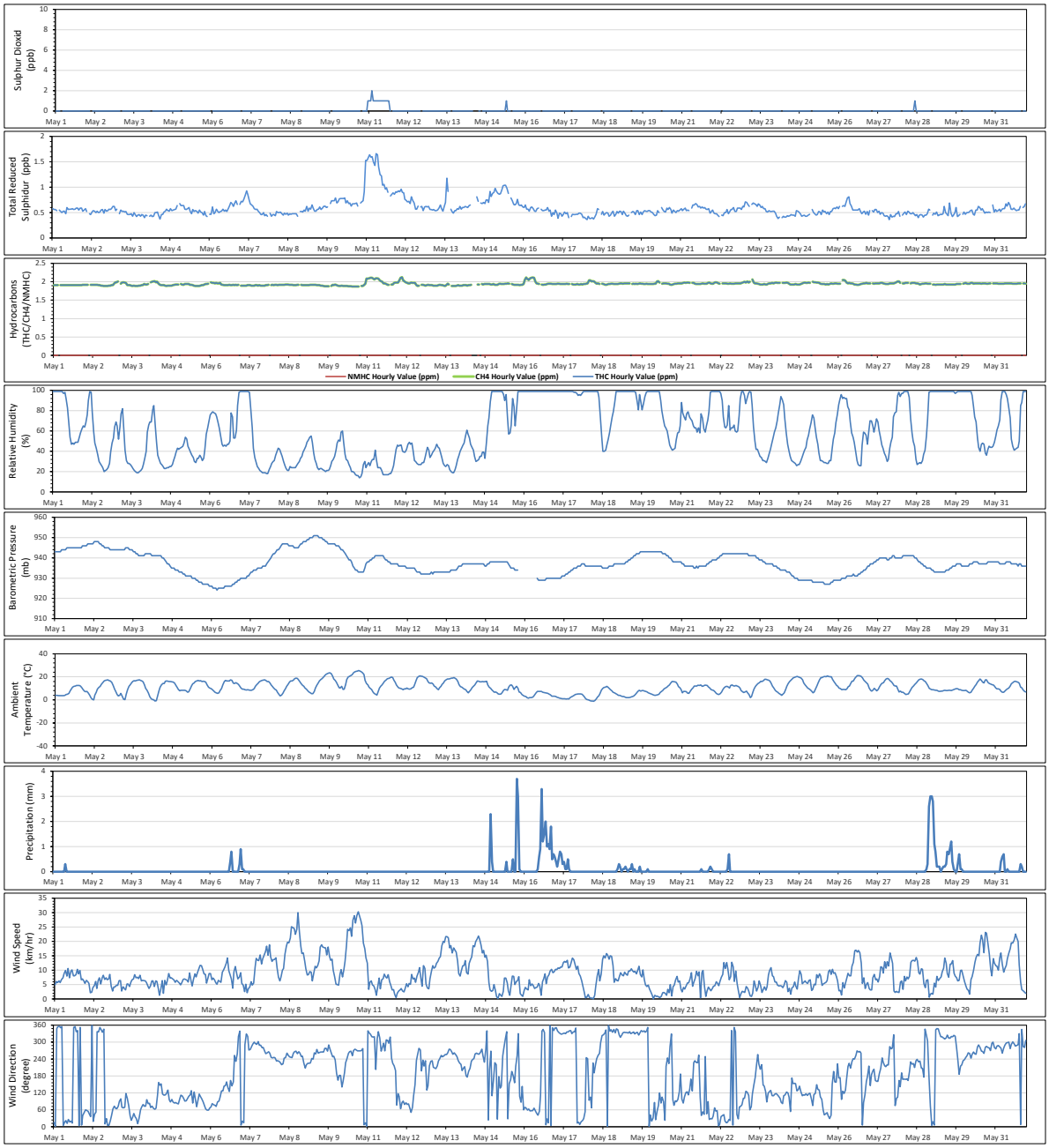
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of May 2024 - 842-B Station



Reno-B Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	• A successful monthly calibration was performed on May 8. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
TRS Thermo 43iQTL #12101910504 **TRS Convertor** CD Nova CDN-101 #590	• A successful monthly calibration was performed on May 8. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
THC/CH4/NMHC Thermo 55i #1193585652 H2 Generator HG300 #210467069	• A successful monthly calibration was performed on May 8. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
RH Rotronic HC2-S3 #20467597	• The RH probe was checked on May 8. The probe passed the check requirements. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
BP MetOne 092 #A17940	• The BP sensor was checked on May 8. The sensor passed the check requirements. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
AT Rotronic HC2-S3 #20467597	• The AT probe was checked on May 8. The probe passed the check requirements. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.

Parameter	Equipment Operational Summary
ST COMET #NA	• Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
Precipitation RM Young 52202 #TB 15877	• The precipitation gauge was checked on May 8. The gauge and its system passed the check requirements. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.
WS/ WD RM Young 05305AQ #174795	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 1, 2023. • The anemometer sensors were check on May 8. The wind sensors passed the check requirements. • Hourly data collected between May 5 hour 15 and May 6 hour 16 were lost due to a datalogger error. Twenty-six hours of downtime were recorded.

Monitored Data Summary for Reno-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	2	May 10 at hr 7	26.8	SW	0.8	May 11	96.5	91.4
TRS (ppb)	-	-	-	-	-	-	0.37	0.20	2.82	May 14 at hr 23	4.8	ENE	0.99	May 11	96.5	91.4
THC (ppm)	-	-	-	-	-	-	1.95	1.89	2.50	May 11 at hr 3	13.4	NNW	2.11	May 11	96.5	91.4
CH4 (ppm)	-	-	-	-	-	-	1.95	1.89	2.24	May 11 at hr 4	7.7	NNW	2.08	May 11	96.5	91.4
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.27	May 11 at hr 3	13.4	NNW	0.03	May 11	96.5	91.4
RH (%)	-	-	-	-	-	-	58.3	13	100	May 15 at hr 5	4.9	ENE	97.6	May 16	96.5	96.5
BP (millibar)	-	-	-	-	-	-	937	926	951	May 9 at hr 6	13	WSW	949	May 9	96.5	96.5
Ext. Temp. (°C)	-	-	-	-	-	-	10.4	-0.4	25.8	May 10 at hr 15	46.2	W	18.2	May 10	96.5	96.5
Stn. Temp. (°C)	-	-	-	-	-	-	22.5	20.7	23.6	May 3 at hr 8	11.3	SE	22.7	May 18	96.5	96.5
Precipitation (mm)*	-	-	-	-	-	-	52.2	0.0	6.5	May 28 at hr 22	4.7	NNE	16.4	May 16	96.5	96.5
WSV (km/hr)	-	-	-	-	-	-	5.6	0.0	52.7	May 10 at hr 16	52.7	WNW	29.8	May 30	96.5	96.5
WDV (sector)	-	-	-	-	-	-	291 (WNW)	-	-	-	-	-	-	-	96.5	96.5

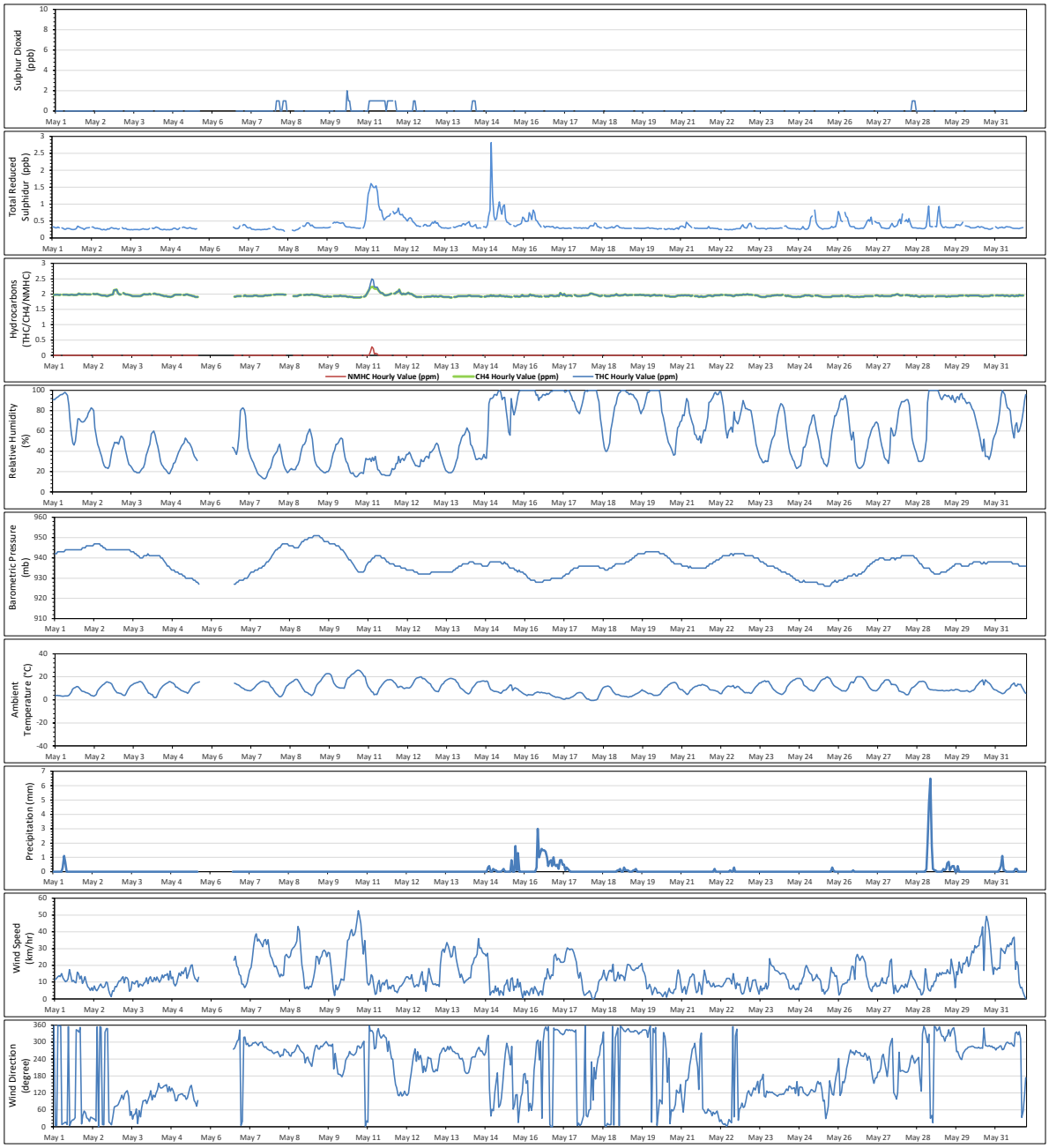
1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

The measured ambient air quality was within the AAAQOs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of May 2024 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43i #1034746225	• A successful monthly calibration was performed on May 15. • No operational issues were noted.
H2S Thermo 450i #1308857354	• A successful monthly calibration was performed on May 15. • No operational issues were noted.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	• A successful monthly calibration was performed on May 15. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	• Following the successful as-found points check on May 15, the hydrogen generator was serviced; desiccant was replaced. The multi-point calibration was completed after the H2 generator maintenance. • No operational issues were noted.
RH Rotronic HC2-S3 #20558318	• The RH sensor was checked on May 15. The sensor passed the check requirements. • No operational issues were noted.
BP MetOne 092 #B19577	• The BP sensor was checked on May 15. The sensor passed the check requirements. • No operational issues were noted.

Parameter	Equipment Operational Summary
AT Rotronic HC2-S3 #20558318	• The AT sensor was checked on May 15. The sensor passed the check requirements. • No operational issues were noted.
ST Canadian Natural #NA	• No operational issues were noted.
WS/ WD RM Young 05305VK #129612	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on August 3, 2023. • The anemometer sensors were checked on May 15. The sensors passed the check requirements. • No operational issues were noted.

Monitored Data Summary for Peace River Complex (PRC) Station

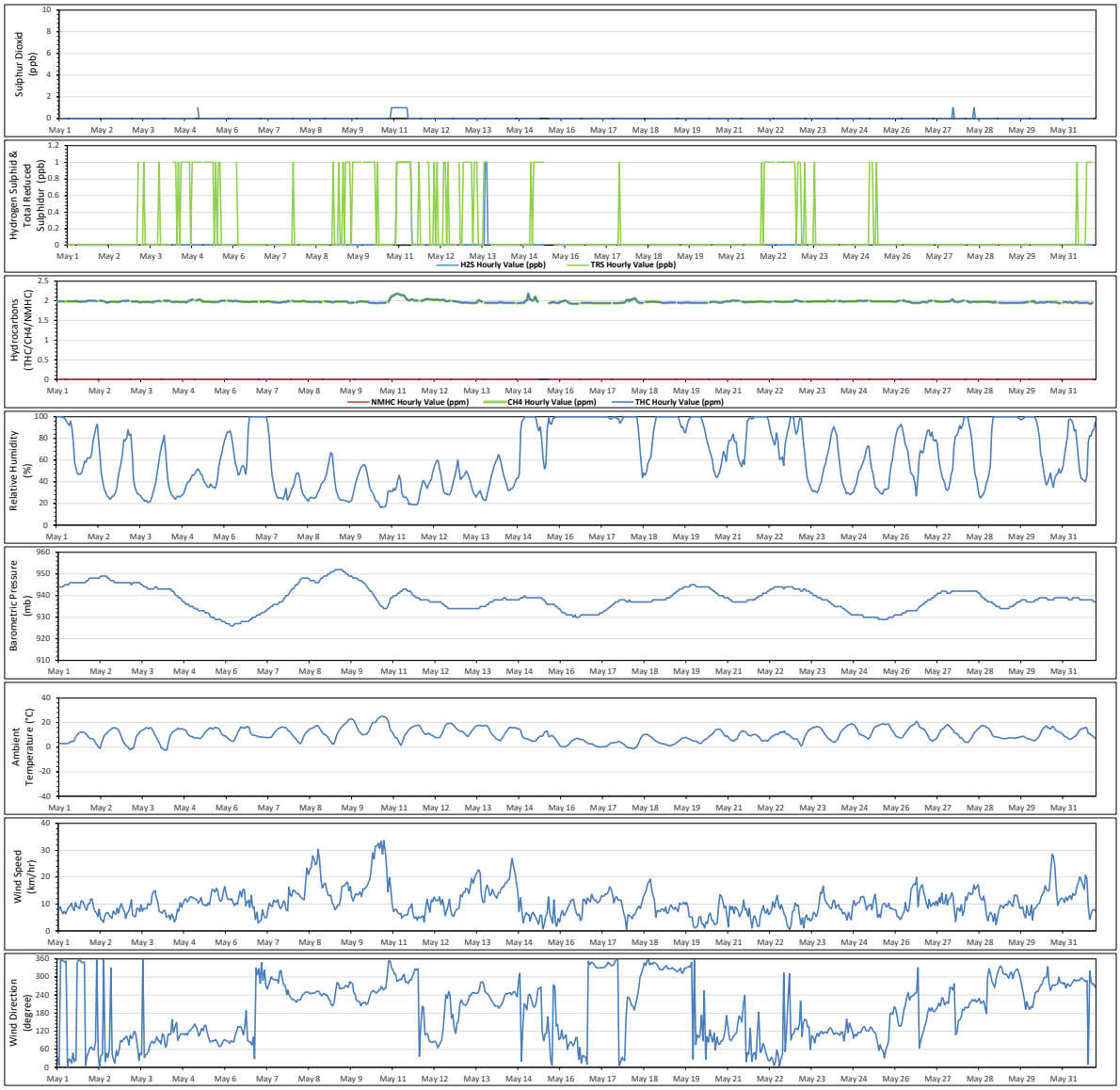
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	May 5 at hr 3	11.5	SE	0.4	May 11	100.0	94.9
H2S (ppb)	10	3	-	0	0	-	0.0	0	1	May 10 at hr 22	16	N	0.0	May 1	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.2	0	1	May 3 at hr 3	8.8	ENE	1.0	May 22	100.0	94.9
THC (ppm)	-	-	-	-	-	-	1.98	1.93	2.19	May 11 at hr 3	7	WNW	2.07	May 11	100.0	94.7
CH4 (ppm)	-	-	-	-	-	-	1.98	1.93	2.19	May 15 at hr 1	6.1	WSW	2.07	May 11	100.0	94.7
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.01	May 11 at hr 3	7	WNW	0.00	May 11	100.0	94.7
RH (%)	-	-	-	-	-	-	62.9	16	100	May 1 at hr 0	7.8	NE	100.0	May 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	926	952	May 9 at hr 6	7.8	SW	950	May 9	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	10.0	-2.3	25.2	May 10 at hr 16	28.6	W	17.7	May 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.9	16.2	27.2	May 12 at hr 17	7.7	SW	25.1	May 12	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	1.8	0.4	33.6	May 10 at hr 17	33.6	WSW	22.7	May 10	100.0	100.0
WDV (sector)	-	-	-	-	-	-	250 (WSW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of May 2024 - Peace River Complex (PRC) Station



AQHI – Grimshaw Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Teledyne T100 #722	• A successful monthly calibration was performed on May 7. • No operational issues were identified this month.
TRS Teledyne T100U #132 TRS Convertor CD Nova CDN-101 #576	• A successful monthly calibration was performed on May 7. • The connection between the analyzer and the datalogger lost on May 24 at hours 9-12. The analyzer was remotely reset, and an additional zero-span check was initiated afterwards to confirm the analyzer's functionality. Five hours of downtime were recorded due to this event.
NOx/NO/NO2 Teledyne T200 #837	• A successful monthly calibration was performed on May 7. • No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #190567059	• A successful monthly calibration was performed on May 7. • No operational issues were identified this month.
O3 Teledyne T400 #824	• A successful monthly calibration was performed on May 7. • No operational issues were identified this month.
PM2.5 Teledyne T640 #318	• A successful monthly audit was performed on May 7. • No operational issues were identified this month.
RH Vaisala HMP155 #N2910506	• The RH probe was checked on May 7. The Probe passed the check requirements. • No operational issues were identified this month.

Parameter	Equipment Operational Summary
BP MetOne 092 #A2397	• The BP sensor was checked on May 7. The sensor passed the check requirements. • No operational issues were identified this month.
AT Vaisala HMP155 #N2910506	• The AT prober was checked on May 7. The probe passed the check requirements. • No operational issues were identified this month.
ST COMET #NA	• No operational issues were identified this month.
WS/ WD RM Young 05305AQ #174801	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 2, 2023. • The anemometer sensors were check on May 7. Both the wind speed sensor and wind direction sensor passed the check requirements. • No operational issues were identified this month.

Monitored Data Summary for AQHI - Grimshaw Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	2	May 11 at hr 0	9.8	N	1.0	May 11	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.09	0.00	1.59	May 11 at hr 6	9.4	NW	0.64	May 11	99.3	94.3
NOx (ppb)	-	-	-	-	-	-	4.1	0	84	May 3 at hr 6	3.8	NE	10.5	May 11	100.0	94.6
NO (ppb)	-	-	-	-	-	-	0.9	0	54	May 3 at hr 6	3.8	NE	3.1	May 16	100.0	94.6
NO2 (ppb)	159	-	-	0	-	-	3.1	0	33	May 3 at hr 5	3	NE	10.0	May 11	100.0	94.6
O3 (ppb)	76	-	-	0	-	-	33.0	0.7	53.3	May 11 at hr 16	2.1	W	43.3	May 13	100.0	94.9
THC (ppm)	-	-	-	-	-	-	2.00	1.90	3.11	May 12 at hr 1	2.1	NE	2.15	May 11	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.00	1.90	2.93	May 12 at hr 1	2.1	NE	2.14	May 11	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.31	May 20 at hr 5	2.9	N	0.01	May 20	100.0	94.9
PM2.5 (µg/m3)	80	29	-	43	3	-	25.2	0	1144	May 11 at hr 0	9.8	N	481.3	May 11	100.0	99.9
RH (%)	-	-	-	-	-	-	54.6	14	100	May 16 at hr 3	3.5	NE	96.1	May 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	926	953	May 9 at hr 6	10.5	WNW	951	May 9	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	11.1	0.8	24.9	May 10 at hr 16	27	W	18.2	May 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.8	20.6	29.3	May 13 at hr 17	15.7	W	22.9	May 13	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	9.6	0.6	29.2	May 10 at hr 9	29.2	W	20.0	May 10	100.0	100.0
WDV (sector)	-	-	-	-	-	-	336 (NNW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The following exceedances of AAAQOs and AAAQGs were observed at the AQHI - Grimshaw Station.

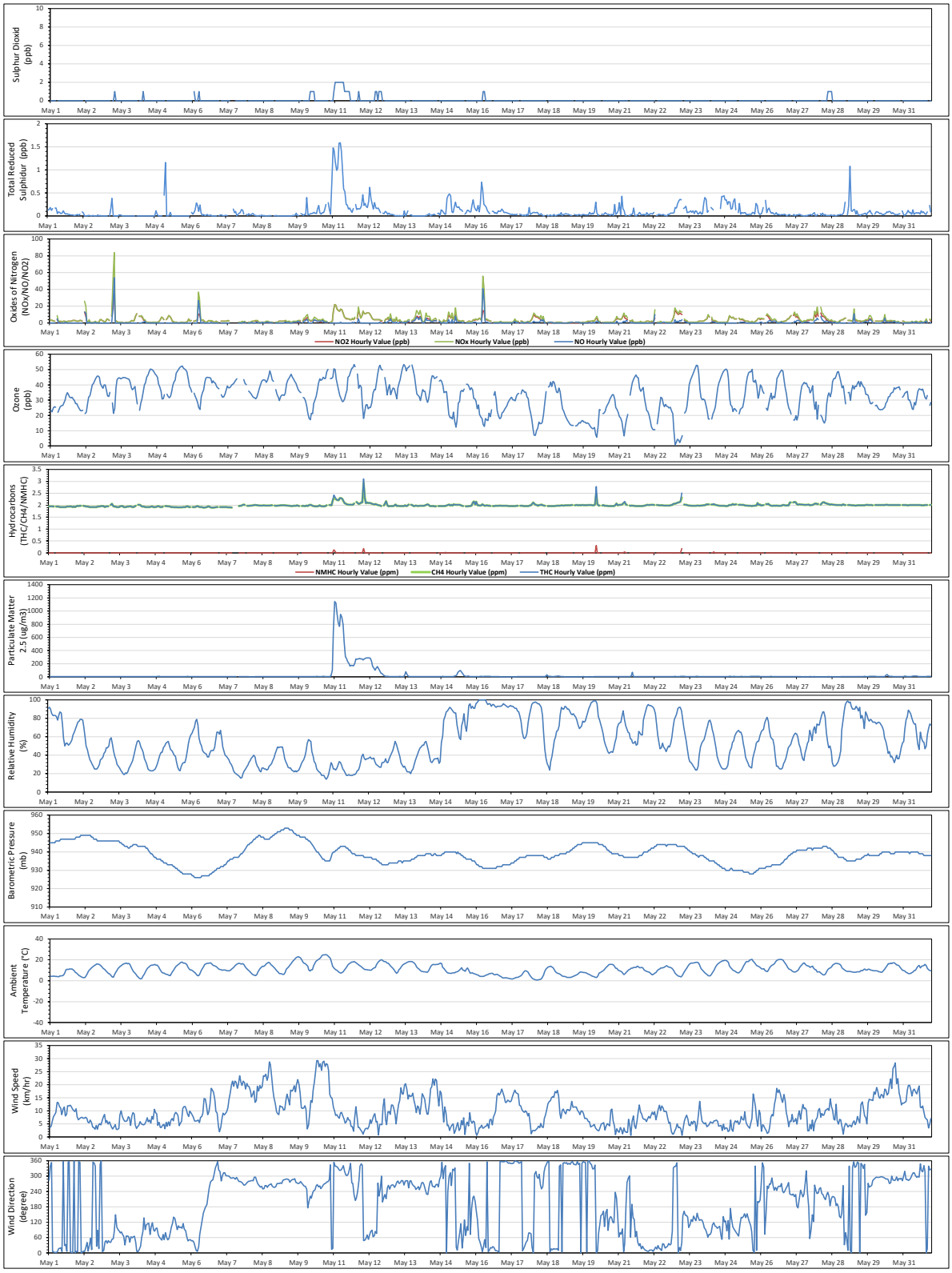
Date		Time (MST)	Parameter	Average Period	AAAQOs / AAAQGs		Concentration		Wind speed		Wind Direction		Reference #
May	10	22	PM2.5	1-Hour	80	µg/m3	101	µg/m3	14.8	km/hr	14°	(NNE)	N/A
May	10	23	PM2.5	1-Hour	80	µg/m3	697	µg/m3	11.5	km/hr	18°	(NNE)	N/A
May	10	-	PM2.5	24-Hour	29	µg/m3	38	µg/m3	20.0	km/hr	260°	(WSW)	428835
May	11	0	PM2.5	1-Hour	80	µg/m3	1144	µg/m3	9.8	km/hr	354°	(N)	N/A
May	11	1	PM2.5	1-Hour	80	µg/m3	1120	µg/m3	8.2	km/hr	339°	(NNW)	N/A
May	11	2	PM2.5	1-Hour	80	µg/m3	970	µg/m3	8.5	km/hr	338°	(NNW)	N/A
May	11	3	PM2.5	1-Hour	80	µg/m3	822	µg/m3	7.7	km/hr	336°	(NNW)	N/A
May	11	4	PM2.5	1-Hour	80	µg/m3	765	µg/m3	7.2	km/hr	327°	(NW)	N/A
May	11	5	PM2.5	1-Hour	80	µg/m3	950	µg/m3	9.2	km/hr	322°	(NW)	N/A
May	11	6	PM2.5	1-Hour	80	µg/m3	907	µg/m3	9.4	km/hr	325°	(NW)	N/A
May	11	7	PM2.5	1-Hour	80	µg/m3	793	µg/m3	8.0	km/hr	332°	(NNW)	N/A
May	11	8	PM2.5	1-Hour	80	µg/m3	536	µg/m3	6.7	km/hr	341°	(NNW)	N/A
May	11	9	PM2.5	1-Hour	80	µg/m3	307	µg/m3	5.3	km/hr	318°	(NW)	N/A
May	11	10	PM2.5	1-Hour	80	µg/m3	280	µg/m3	5.9	km/hr	304°	(WNW)	N/A
May	11	11	PM2.5	1-Hour	80	µg/m3	228	µg/m3	7.4	km/hr	303°	(WNW)	N/A
May	11	12	PM2.5	1-Hour	80	µg/m3	203	µg/m3	6.6	km/hr	308°	(NW)	N/A
May	11	13	PM2.5	1-Hour	80	µg/m3	163	µg/m3	6.3	km/hr	324°	(NW)	N/A
May	11	14	PM2.5	1-Hour	80	µg/m3	175	µg/m3	4.1	km/hr	350°	(N)	N/A
May	11	15	PM2.5	1-Hour	80	µg/m3	172	µg/m3	3.9	km/hr	274°	(W)	N/A
May	11	16	PM2.5	1-Hour	80	µg/m3	165	µg/m3	2.1	km/hr	271°	(W)	N/A
May	11	17	PM2.5	1-Hour	80	µg/m3	212	µg/m3	7.2	km/hr	226°	(SW)	N/A
May	11	18	PM2.5	1-Hour	80	µg/m3	271	µg/m3	11.6	km/hr	205°	(SSW)	N/A
May	11	19	PM2.5	1-Hour	80	µg/m3	269	µg/m3	7.3	km/hr	215°	(SSW)	N/A
May	11	20	PM2.5	1-Hour	80	µg/m3	272	µg/m3	3.6	km/hr	241°	(WSW)	N/A
May	11	21	PM2.5	1-Hour	80	µg/m3	278	µg/m3	3.5	km/hr	284°	(WNW)	N/A
May	11	22	PM2.5	1-Hour	80	µg/m3	274	µg/m3	2.7	km/hr	340°	(NNW)	N/A
May	11	23	PM2.5	1-Hour	80	µg/m3	274	µg/m3	2.2	km/hr	348°	(NNW)	N/A
May	11	-	PM2.5	24-Hour	29	µg/m3	481	µg/m3	6.4	km/hr	310°	(NW)	428835
May	12	0	PM2.5	1-Hour	80	µg/m3	257	µg/m3	1.0	km/hr	342°	(NNW)	N/A
May	12	1	PM2.5	1-Hour	80	µg/m3	271	µg/m3	2.1	km/hr	48°	(NE)	N/A
May	12	2	PM2.5	1-Hour	80	µg/m3	285	µg/m3	3.1	km/hr	50°	(NE)	N/A
May	12	3	PM2.5	1-Hour	80	µg/m3	288	µg/m3	3.3	km/hr	56°	(NE)	N/A
May	12	4	PM2.5	1-Hour	80	µg/m3	289	µg/m3	3.0	km/hr	70°	(ENE)	N/A
May	12	5	PM2.5	1-Hour	80	µg/m3	288	µg/m3	4.0	km/hr	53°	(NE)	N/A
May	12	6	PM2.5	1-Hour	80	µg/m3	282	µg/m3	6.6	km/hr	69°	(ENE)	N/A
May	12	7	PM2.5	1-Hour	80	µg/m3	235	µg/m3	5.2	km/hr	84°	(E)	N/A

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

Date		Time (MST)	Parameter	Average Period	AAAQOs / AAAQGs		Concentration		Wind speed		Wind Direction		Reference #
May	12	8	PM2.5	1-Hour	80	µg/m3	163	µg/m3	6.8	km/hr	89°	(E)	N/A
May	12	9	PM2.5	1-Hour	80	µg/m3	133	µg/m3	8.0	km/hr	63°	(ENE)	N/A
May	12	10	PM2.5	1-Hour	80	µg/m3	100	µg/m3	8.9	km/hr	67°	(ENE)	N/A
May	12	11	PM2.5	1-Hour	80	µg/m3	131	µg/m3	5.7	km/hr	84°	(E)	N/A
May	12	12	PM2.5	1-Hour	80	µg/m3	154	µg/m3	6.0	km/hr	76°	(ENE)	N/A
May	12	13	PM2.5	1-Hour	80	µg/m3	128	µg/m3	0.8	km/hr	273°	(W)	N/A
May	12	14	PM2.5	1-Hour	80	µg/m3	92	µg/m3	4.8	km/hr	222°	(SW)	N/A
May	12	-	PM2.5	24-Hour	29	µg/m3	136	µg/m3	6.0	km/hr	66°	(ENE)	428835
May	15	9	PM2.5	1-Hour	80	µg/m3	86	µg/m3	2.5	km/hr	49°	(NE)	N/A
May	15	10	PM2.5	1-Hour	80	µg/m3	98	µg/m3	3.2	km/hr	81°	(E)	N/A

• The source of the exceedances of the PM2.5 objective and guideline recorded between May 10 and May 15 was due to wildfire smoke.
• As the bulk reporting protocol is in effect, all measured exceedances of the 1-hour PM2.5 AAAQG were not required to be reported to Alberta EDGE. No reference numbers were assigned as a result.

Timeseries Chart of Hourly Average for the month of May 2024 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

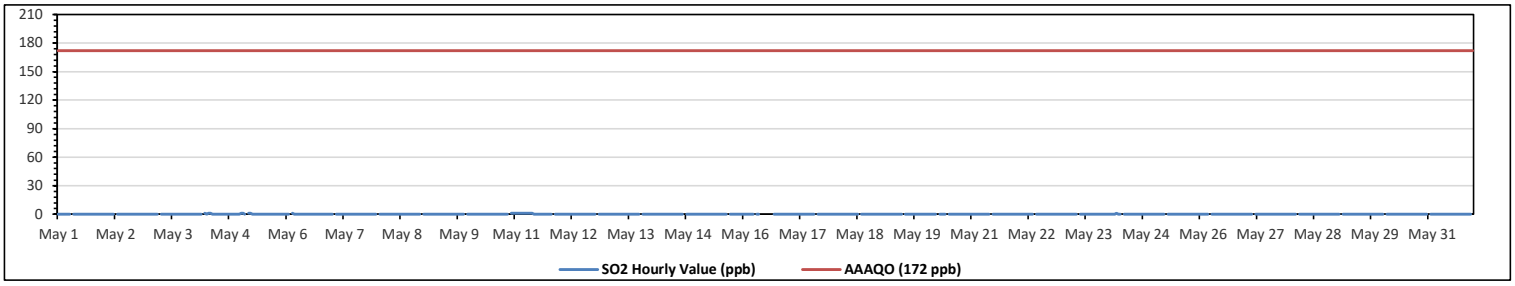
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

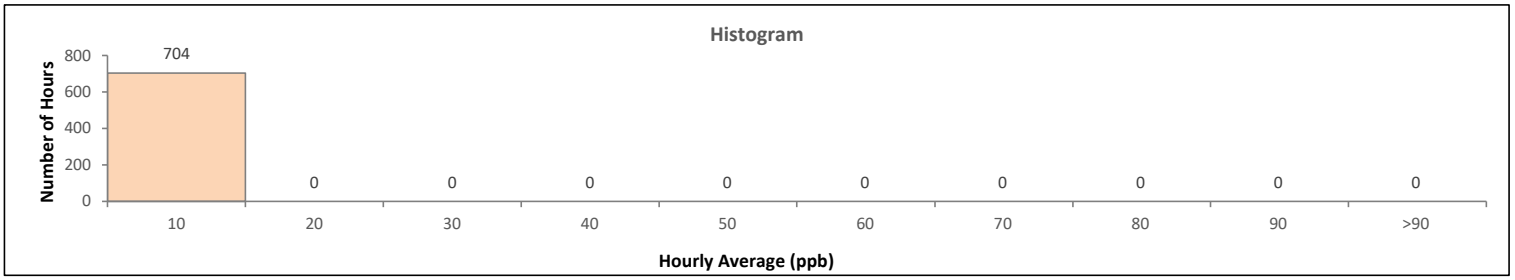
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on May 4 at hr 5	Hours in Service:	744	
Maximum Daily Value:	0.4	ppb	on May 11	Hours of Data:	704	
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	2	
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	38	
Monthly Average:	0.0	ppb		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 4	0	0	0	0	S	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
May 5	1	1	0	S	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
May 6	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 7	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 8	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	1	0.1
May 11	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.4
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
May 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
May 16	0	0	0	0	0	0	NRM	0	0	C	C	C	C	C	0	S	0	0	0	0	0	0	0	0	0	0	NA
May 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	NRM	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 25	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 29	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 30	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 31	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1			
Diurnal Average	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



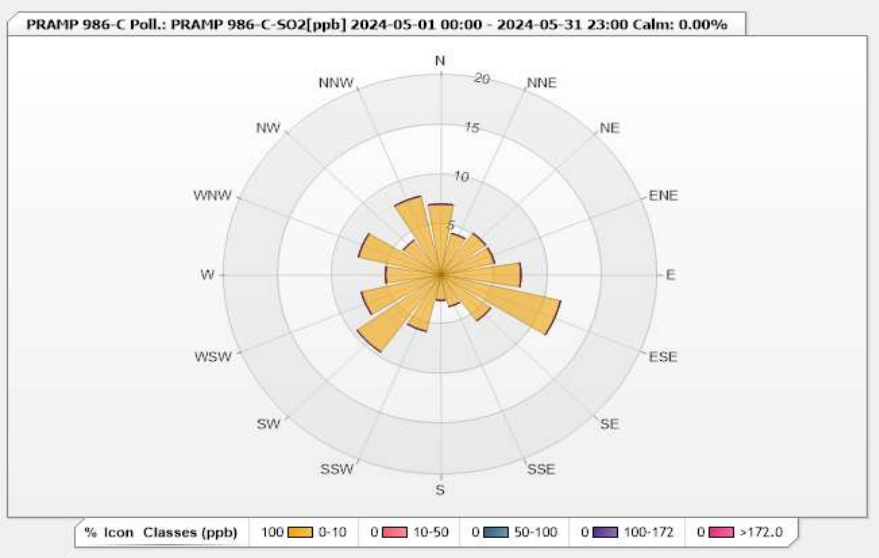


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	7.1	0	0	0	0	7.1
NNE	4.26	0	0	0	0	4.26
NE	5.11	0	0	0	0	5.11
ENE	5.11	0	0	0	0	5.11
E	7.39	0	0	0	0	7.39
ESE	11.36	0	0	0	0	11.36
SE	5.68	0	0	0	0	5.68
SSE	3.27	0	0	0	0	3.27
S	2.56	0	0	0	0	2.56
SSW	5.82	0	0	0	0	5.82
SW	9.52	0	0	0	0	9.52
WSW	7.53	0	0	0	0	7.53
W	5.11	0	0	0	0	5.11
WNW	7.81	0	0	0	0	7.81
NW	4.26	0	0	0	0	4.26
NNW	8.1	0	0	0	0	8.1
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

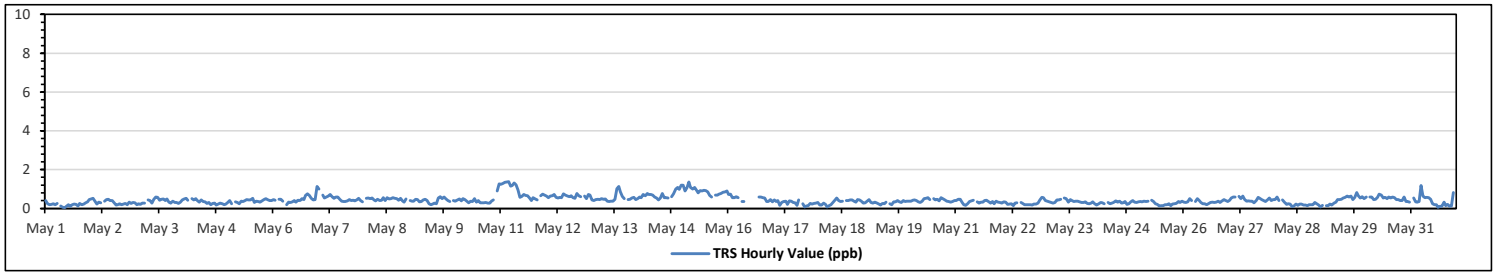
TOTAL REDUCED SULPHUR (TRS) in ppb

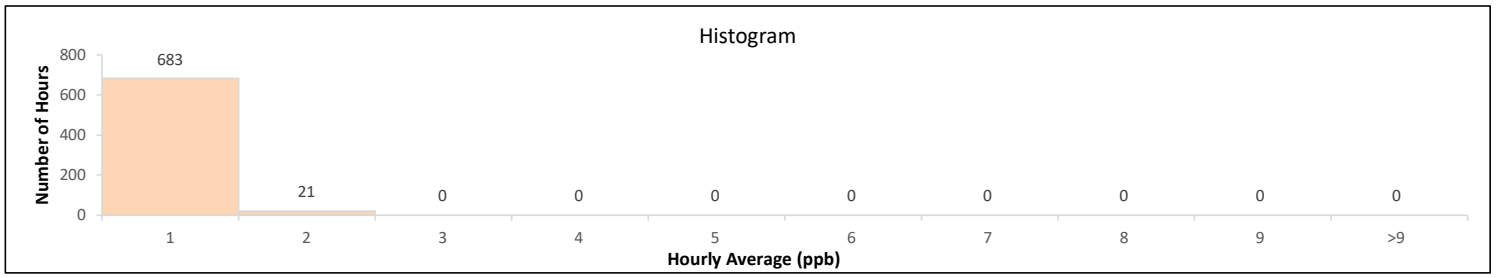
Maximum Hourly Value:	1.38	ppb	on May 11 at hr 4	Hours in Service:	744	
Maximum Daily Value:	0.90	ppb	on May 15	Hours of Data:	704	
Minimum Hourly Value:	0.04	ppb	on May 1 at hr 10	Hours of Missing Data:	2	
Minimum Daily Value:	0.21	ppb	on May 1	Hours of Calibration:	38	
Monthly Average:	0.43	ppb		Operational Uptime:	99.7	

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.4	0.23	0.2	0.21	0.25	0.18	0.26	S	0.13	0.06	0.04	0.13	0.18	0.1	0.2	0.22	0.21	0.13	0.26	0.19	0.22	0.29	0.34	0.45	0.04	0.45	0.21
May 2	0.49	0.52	0.38	0.22	0.33	0.29	S	0.38	0.46	0.48	0.42	0.41	0.29	0.17	0.18	0.24	0.2	0.22	0.26	0.2	0.32	0.26	0.31	0.29	0.17	0.52	0.32
May 3	0.19	0.25	0.21	0.28	0.27	S	0.44	0.4	0.28	0.48	0.58	0.57	0.43	0.47	0.49	0.42	0.49	0.32	0.27	0.38	0.3	0.31	0.26	0.32	0.19	0.58	0.37
May 4	0.44	0.49	0.52	0.43	S	0.5	0.44	0.5	0.4	0.32	0.44	0.36	0.34	0.26	0.31	0.18	0.26	0.27	0.17	0.22	0.28	0.23	0.2	0.22	0.17	0.52	0.34
May 5	0.3	0.4	0.23	S	0.34	0.31	0.25	0.37	0.36	0.42	0.45	0.44	0.44	0.52	0.3	0.38	0.36	0.32	0.39	0.45	0.5	0.45	0.41	0.41	0.23	0.52	0.38
May 6	0.45	0.43	S	0.48	0.47	0.37	NRM	0.19	0.32	0.3	0.34	0.42	0.33	0.43	0.42	0.5	0.45	0.67	0.75	0.67	0.52	0.44	0.46	1.13	0.19	1.13	0.48
May 7	0.99	S	0.68	0.54	0.59	0.63	0.71	0.6	0.52	0.6	0.59	0.48	0.37	0.36	0.35	0.39	0.46	0.41	0.43	0.39	0.44	0.52	0.42	0.34	0.34	0.99	0.51
May 8	S	0.52	0.53	0.5	0.53	0.44	0.39	0.47	0.42	0.43	0.56	0.41	0.56	0.49	0.51	0.55	0.52	0.5	0.43	0.52	0.39	0.32	0.49	S	0.32	0.56	0.48
May 9	0.4	0.37	0.38	0.47	0.46	0.34	0.35	0.44	0.47	0.4	0.24	0.2	0.22	0.27	0.24	0.53	0.61	0.5	0.58	0.49	0.41	0.36	S	0.42	0.20	0.61	0.40
May 10	0.37	0.44	0.49	0.39	0.5	0.45	0.38	0.29	0.37	0.36	0.5	0.32	0.41	0.29	0.29	0.29	0.3	0.28	0.28	0.37	0.44	S	0.89	1.26	0.28	1.26	0.43
May 11	1.25	1.28	1.34	1.36	**1.38**	1.15	1.18	1.32	1.22	0.95	0.57	0.62	0.73	0.67	0.65	0.53	0.42	0.55	0.49	0.44	S	0.65	0.74	0.69	0.42	**1.38**	0.88
May 12	0.63	0.55	0.64	0.66	0.72	0.57	0.54	0.57	0.56	0.75	0.68	0.64	0.61	0.66	0.56	0.52	0.77	0.66	0.61	S	0.63	0.51	0.72	0.68	0.51	0.77	0.63
May 13	0.44	0.42	0.45	0.47	0.46	0.51	0.47	0.49	0.38	0.36	0.37	0.38	0.47	1.02	1.14	0.85	0.62	0.5	S	0.46	0.47	0.53	0.57	0.45	0.36	1.14	0.53
May 14	0.51	0.6	0.55	0.73	0.66	0.77	0.71	0.72	0.69	0.6	0.54	0.44	0.53	0.77	0.55	0.56	0.54	S	0.61	0.75	0.99	1.08	0.98	1.2	0.44	1.20	0.70
May 15	1.2	0.9	1.06	1.36	1.09	1	1.08	0.93	0.8	0.92	0.91	0.93	0.92	0.86	0.67	0.59	S	0.69	0.69	0.74	0.76	0.84	0.86	0.91	0.59	1.36	**0.90**
May 16	0.73	0.74	0.56	0.56	0.61	0.55	NRM	0.35	0.36	C	C	C	C	C	0.73	S	0.58	0.58	0.55	0.54	0.36	0.35	0.45	0.34	0.34	0.74	NA
May 17	0.44	0.35	0.42	0.16	0.3	0.36	0.38	0.21	0.39	0.38	0.3	0.29	0.16	0.44	S	0.24	0.08	0.13	0.15	0.26	0.22	0.26	0.27	0.31	0.08	0.44	0.28
May 18	0.17	0.17	0.27	0.21	0.08	0.15	0.18	0.32	0.44	0.53	0.4	0.36	0.37	S	0.41	0.42	0.44	0.44	0.37	0.32	0.45	0.44	0.38	0.28	0.08	0.53	0.33
May 19	0.29	0.38	0.45	0.3	0.28	0.32	0.29	0.23	0.17	0.26	0.23	0.32	S	0.23	0.19	0.34	0.34	0.4	0.34	0.31	0.42	0.36	0.38	0.38	0.17	0.45	0.31
May 20	0.38	0.43	0.44	0.41	0.34	0.3	0.38	0.51	0.52	0.55	0.46	S	0.51	0.44	0.47	0.39	0.56	0.49	0.44	0.37	0.36	0.32	0.35	0.42	0.30	0.56	0.43
May 21	0.42	0.47	0.47	0.31	0.18	0.16	0.23	0.35	0.39	0.43	S	0.34	0.27	0.32	0.33	0.41	0.43	0.36	0.27	0.36	0.23	0.37	0.33	0.3	0.16	0.47	0.34
May 22	0.28	0.34	0.33	0.21	0.22	0.23	0.15	0.27	0.29	S	0.3	0.26	0.19	0.18	0.19	0.18	0.17	0.22	0.22	0.27	0.44	0.57	0.55	0.42	0.15	0.57	0.28
May 23	0.37	0.34	0.3	0.28	0.3	0.44	0.44	0.48	S	0.54	0.51	0.33	0.45	0.42	0.36	0.38	0.38	0.34	0.31	0.3	0.34	0.26	0.23	0.27	0.23	0.54	0.36
May 24	0.34	0.23	0.17	0.23	0.3	0.29	0.23	S	0.31	0.25	0.27	0.31	0.39	0.32	0.38	0.28	0.29	0.35	0.21	0.25	0.34	0.42	0.32	0.3	0.17	0.42	0.29
May 25	0.34	0.36	0.34	0.37	0.35	0.37	S	0.43	0.35	0.24	0.21	0.12	0.15	0.15	0.2	0.19	0.24	0.15	0.22	0.25	0.26	0.35	0.3	0.37	0.12	0.43	0.27
May 26	0.32	0.3	0.34	0.51	0.42	S	0.35	0.5	0.41	0.31	0.25	0.23	0.19	0.26	0.3	0.33	0.3	0.32	0.37	0.3	0.38	0.45	0.4	0.36	0.19	0.51	0.34
May 27	0.43	0.54	0.58	0.58	S	0.62	0.5	0.63	0.45	0.38	0.39	0.38	0.37	0.29	0.41	0.57	0.52	0.46	0.41	0.36	0.44	0.54	0.41	0.45	0.29	0.63	0.47
May 28	0.46	0.59	0.41	S	0.44	0.33	0.21	0.24	0.22	0.09	0.12	0.22	0.16	0.22	0.22	0.17	0.17	0.14	0.2	0.2	0.19	0.31	0.24	0.17	0.09	0.59	0.25
May 29	0.08	0.16	S	0.14	0.15	0.22	0.17	0.27	0.33	0.46	0.45	0.47	0.53	0.57	0.63	0.59	0.63	0.46	0.57	0.81	0.66	0.53	0.61	0.5	0.08	0.81	0.43
May 30	0.6	S	0.6	0.59	0.46	0.47	0.57	0.74	0.69	0.53	0.57	0.51	0.59	0.53	0.59	0.55	0.45	0.45	0.4	0.42	0.6	0.36	0.35	0.32	0.32	0.74	0.52
May 31	S	0.53	0.34	0.32	0.36	1.18	0.63	0.55	0.57	0.55	0.48	0.23	0.18	0.18	0.07	0.11	0.11	0.32	0.14	0.21	0.11	0.13	0.82	S	0.07	1.18	0.37
Diurnal Maximum	1.25	1.28	1.34	1.36	1.38	1.18	1.18	1.32	1.22	0.95	0.91	0.93	0.92	1.02	1.14	0.85	0.77	0.69	0.75	0.81	0.99	1.08	0.98	1.26			
Diurnal Average	0.47	0.46	0.47	0.46	0.44	0.47	0.44	0.47	0.44	0.45	0.42	0.38	0.39	0.41	0.41	0.40	0.40	0.39	0.38	0.39	0.42	0.43	0.47	0.48			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



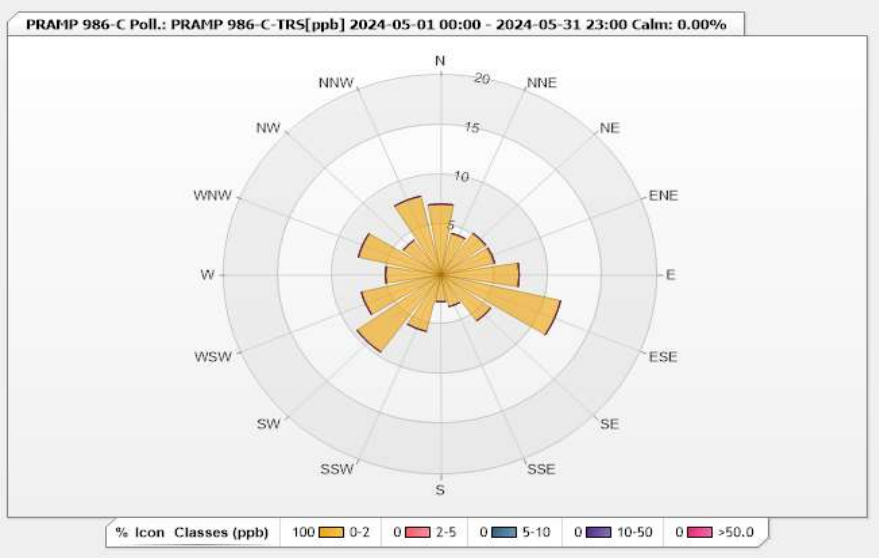


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.1	0	0	0	0	7.1
NNE	4.26	0	0	0	0	4.26
NE	5.11	0	0	0	0	5.11
ENE	5.11	0	0	0	0	5.11
E	7.24	0	0	0	0	7.24
ESE	11.36	0	0	0	0	11.36
SE	5.68	0	0	0	0	5.68
SSE	3.27	0	0	0	0	3.27
S	2.7	0	0	0	0	2.7
SSW	5.82	0	0	0	0	5.82
SW	9.52	0	0	0	0	9.52
WSW	7.53	0	0	0	0	7.53
W	5.11	0	0	0	0	5.11
WNW	7.81	0	0	0	0	7.81
NW	4.26	0	0	0	0	4.26
NNW	8.1	0	0	0	0	8.1
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

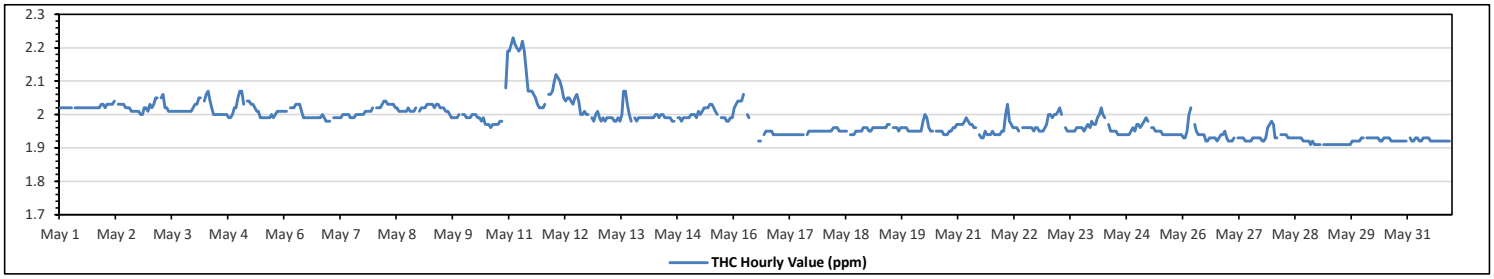
TOTAL HYDROCARBONS (THC) in ppm

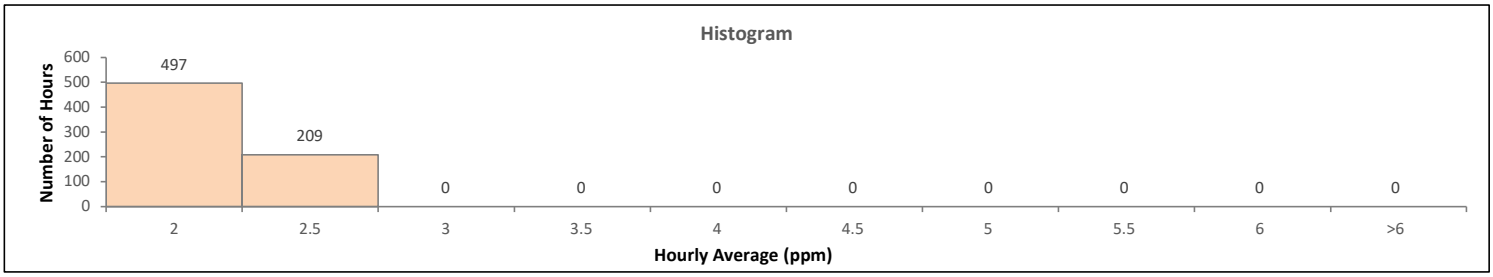
Maximum Hourly Value:	2.23	ppm	on May 11 at hr 2	Hours in Service:	744	
Maximum Daily Value:	2.11	ppm	on May 11	Hours of Data:	706	
Minimum Hourly Value:	1.91	ppm	on May 28 at hr 20	Hours of Missing Data:	1	
Minimum Daily Value:	1.91	ppm	on May 29	Hours of Calibration:	37	
Monthly Average:	1.98	ppm		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.03	2.02
May 2	2.02	2.03	2.03	2.03	2.03	2.04	S	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.02	2.02	2.01	2.00	2.04	2.02
May 3	2.03	2.02	2.03	2.05	2.05	S	2.05	2.06	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.06	2.02
May 4	2.03	2.03	2.05	2.05	S	2.04	2.06	2.07	2.04	2.02	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	2.02	2.02	2.05	1.99	2.07	2.02
May 5	2.07	2.07	2.03	S	2.04	2.04	2.03	2.03	2.02	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.01	2.01	2.01	2.01	1.99	2.07	2.01
May 6	2.01	2.01	S	2.02	2.02	2.02	2.03	2.03	2.03	2.01	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.98	1.98	1.98	2.03	2.00
May 7	1.98	S	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.02	1.98	2.02	2.00
May 8	S	2.02	2.02	2.02	2.03	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.02	S	2.01	2.04	2.02
May 9	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	2.00	S	2.00	1.99	2.03	2.01
May 10	2.00	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.99	1.98	1.99	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.98	1.98	S	2.08	2.19	1.96	2.19	2.00
May 11	2.19	2.21	2.23	2.21	2.20	2.19	2.20	2.22	2.19	2.13	2.07	2.07	2.07	2.06	2.05	2.03	2.02	2.02	2.02	2.03	S	2.06	2.06	2.07	2.02	2.23	2.11
May 12	2.10	2.12	2.11	2.10	2.08	2.05	2.04	2.05	2.05	2.04	2.03	2.05	2.06	2.04	2.00	2.00	2.01	2.00	2.00	S	1.99	1.98	2.00	2.01	1.98	2.12	2.04
May 13	1.99	1.98	1.99	1.98	1.99	1.99	1.99	1.99	1.98	1.98	1.99	1.98	2.00	2.07	2.07	2.03	2.00	1.98	S	1.99	1.98	1.99	1.99	1.99	1.98	2.07	2.00
May 14	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.98	1.98	S	1.99	1.99	1.98	1.99	1.99	1.99	1.98	2.00	1.99
May 15	1.99	2.00	2.00	2.00	1.99	2.01	2.00	2.01	2.02	2.02	2.02	2.03	2.03	2.02	2.01	2.00	S	1.99	1.99	1.99	1.98	1.98	1.99	1.99	1.98	2.03	2.00
May 16	2.02	2.03	2.04	2.04	2.04	2.06	NRM	2.00	1.99	C	C	C	C	1.92	1.92	S	1.94	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.92	2.06	1.98
May 17	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.94
May 18	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.94	1.96	1.95
May 19	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	S	1.96	1.96	1.96	1.95	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.97	1.96
May 20	1.95	1.95	1.95	1.95	1.95	1.98	2.00	1.99	1.96	1.95	1.95	S	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.95	1.95	1.96	1.96	1.97	1.94	2.00	1.96
May 21	1.97	1.97	1.97	1.98	1.99	1.98	1.97	1.97	1.96	1.96	S	1.94	1.93	1.93	1.95	1.94	1.94	1.94	1.95	1.94	1.94	1.94	1.94	1.95	1.93	1.99	1.95
May 22	1.95	2.00	2.03	1.98	1.97	1.96	1.96	1.96	1.95	S	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.96	1.97	1.95	2.03	1.96
May 23	2.00	2.00	1.99	2.00	2.00	2.01	2.02	2.00	S	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.96	1.97	1.96	1.98	1.95	2.02	1.97
May 24	1.97	1.97	1.99	2.00	2.02	2.00	1.99	S	1.97	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.96	1.95	1.97	1.94	2.02	1.96
May 25	1.97	1.96	1.97	1.98	1.99	1.98	S	1.96	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.99	1.95
May 26	1.93	1.93	1.95	2.00	2.02	S	1.97	1.95	1.94	1.94	1.94	1.94	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.93	1.94	1.94	1.95	1.93	1.92	2.02	1.94
May 27	1.92	1.92	1.92	1.93	S	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.93	1.96	1.97	1.98	1.92	1.98	1.93
May 28	1.97	1.93	1.93	S	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.91	1.97	1.93
May 29	1.91	1.91	S	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.91	1.93	1.91
May 30	1.93	S	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.93
May 31	S	1.93	1.92	1.92	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	S	1.92	1.93	1.92
Diurnal Maximum	2.19	2.21	2.23	2.21	2.20	2.19	2.20	2.22	2.19	2.13	2.07	2.07	2.07	2.07	2.07	2.03	2.02	2.02	2.02	2.03	2.02	2.06	2.08	2.19			
Diurnal Average	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



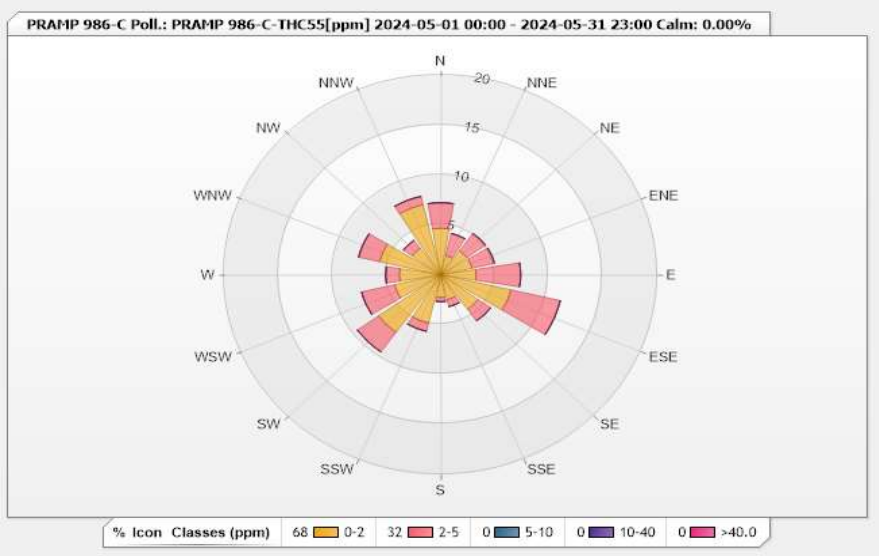


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.67	2.55	0	0	0	7.22
NNE	1.98	2.27	0	0	0	4.25
NE	2.97	2.12	0	0	0	5.09
ENE	2.97	2.12	0	0	0	5.09
E	3.26	4.11	0	0	0	7.37
ESE	6.66	4.67	0	0	0	11.33
SE	4.25	1.42	0	0	0	5.67
SSE	2.55	0.71	0	0	0	3.26
S	2.27	0.42	0	0	0	2.69
SSW	4.96	0.85	0	0	0	5.81
SW	7.08	2.41	0	0	0	9.49
WSW	4.39	3.12	0	0	0	7.51
W	3.82	1.27	0	0	0	5.09
WNW	5.81	1.98	0	0	0	7.79
NW	3.26	0.99	0	0	0	4.25
NNW	7.22	0.85	0	0	0	8.07
Summary	68.12	31.86	0	0	0	100



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

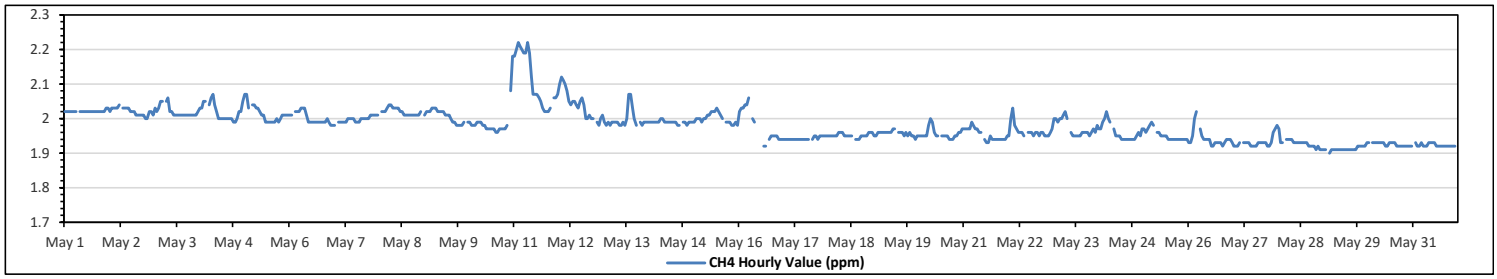
METHANE (CH4) in ppm

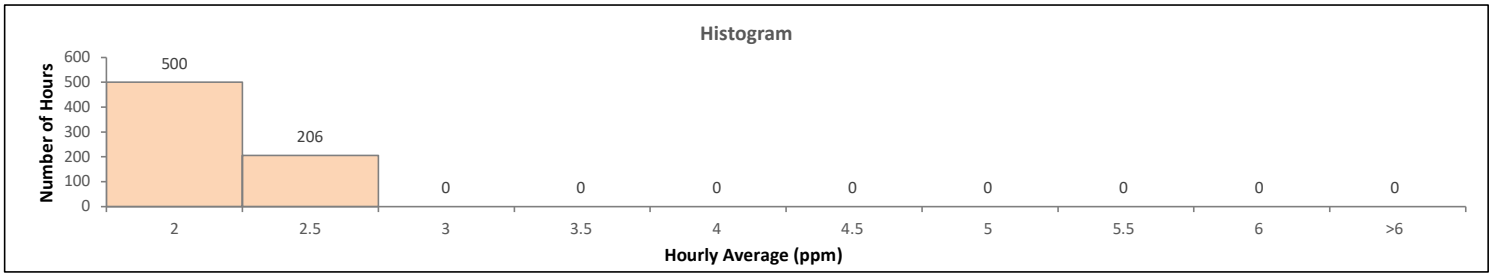
Maximum Hourly Value:	2.22	ppm	on May 11 at hr 2	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on May 11	Hours of Data:	706
Minimum Hourly Value:	1.90	ppm	on May 29 at hr 3	Hours of Missing Data:	1
Minimum Daily Value:	1.91	ppm	on May 29	Hours of Calibration:	37
Monthly Average:	1.98	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.03	2.02
May 2	2.02	2.03	2.03	2.03	2.03	2.04	S	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.02	2.02	2.01	2.00	2.04	2.02
May 3	2.03	2.02	2.03	2.05	2.05	S	2.05	2.06	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.06	2.02
May 4	2.03	2.03	2.05	2.05	S	2.04	2.06	2.07	2.04	2.02	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	2.02	2.02	2.05	1.99	2.07	2.02
May 5	2.07	2.07	2.03	S	2.04	2.04	2.03	2.03	2.02	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.01	2.01	2.01	2.01	1.99	2.07	2.01
May 6	2.01	2.01	S	2.02	2.02	2.02	2.03	2.03	2.03	2.01	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.98	1.98	1.98	2.03	2.00
May 7	1.98	S	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	1.98	2.01	2.00
May 8	S	2.02	2.02	2.02	2.03	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	S	2.01	2.04	2.02
May 9	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.99	S	1.99	1.98	2.03	2.01
May 10	1.99	1.98	1.98	1.98	1.99	1.99	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.97	1.97	1.97	1.97	1.98	S	2.08	2.18	1.96	2.18	1.99
May 11	2.18	2.20	**2.22**	2.21	2.20	2.19	2.19	**2.22**	2.19	2.12	2.07	2.07	2.07	2.06	2.05	2.03	2.02	2.02	2.02	2.03	S	2.06	2.06	2.07	2.02	**2.22**	**2.11**
May 12	2.10	2.12	2.11	2.10	2.08	2.05	2.04	2.05	2.05	2.04	2.03	2.05	2.06	2.04	2.00	2.00	2.01	2.00	2.00	S	1.99	1.98	2.00	2.01	1.98	2.12	2.04
May 13	1.99	1.98	1.99	1.98	1.99	1.99	1.99	1.99	1.98	1.98	1.99	1.98	2.00	2.07	2.07	2.03	2.00	1.98	S	1.99	1.98	1.99	1.99	1.99	1.98	2.07	2.00
May 14	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	S	1.99	1.99	1.98	1.99	1.99	1.99	1.98	2.00	1.99
May 15	1.99	2.00	2.00	2.00	1.99	2.00	2.00	2.01	2.01	2.02	2.02	2.02	2.03	2.02	2.01	2.00	S	1.99	1.99	1.99	1.98	1.98	1.99	1.98	1.98	2.03	2.00
May 16	2.02	2.03	2.03	2.04	2.04	2.06	NRM	2.00	1.99	C	C	C	C	1.92	1.92	S	1.94	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.92	2.06	1.98
May 17	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.94
May 18	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.94	1.96	1.95
May 19	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	S	1.96	1.96	1.96	1.95	1.96	1.95	1.96	1.95	1.95	1.94	1.95	1.94	1.97	1.96
May 20	1.95	1.95	1.95	1.95	1.95	1.98	2.00	1.99	1.96	1.95	1.95	S	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.95	1.95	1.96	1.96	1.97	1.94	2.00	1.96
May 21	1.97	1.97	1.97	1.97	1.99	1.98	1.97	1.97	1.96	1.96	S	1.94	1.93	1.93	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.93	1.99	1.95
May 22	1.95	2.00	2.03	1.98	1.97	1.96	1.96	1.96	1.95	S	1.96	1.96	1.96	1.95	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.96	1.97	1.95	2.03	1.96
May 23	2.00	2.00	1.99	2.00	2.00	2.01	2.02	2.00	S	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.96	1.97	1.96	1.98	1.95	2.02	1.97
May 24	1.97	1.97	1.99	2.00	2.02	2.00	1.99	S	1.97	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.96	1.95	1.97	1.94	2.02	1.96
May 25	1.97	1.96	1.97	1.98	1.99	1.98	S	1.96	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.99	1.95
May 26	1.93	1.93	1.95	2.00	2.02	S	1.97	1.95	1.94	1.94	1.94	1.94	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.93	1.94	1.94	1.94	1.93	1.92	2.02	1.94
May 27	1.92	1.92	1.92	1.93	S	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.93	1.96	1.97	1.98	1.92	1.98	1.93
May 28	1.97	1.93	1.93	S	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.91	1.97	1.93
May 29	1.91	1.91	S	1.90	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.90	1.93	1.91
May 30	1.93	S	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.93
May 31	S	1.93	1.92	1.92	1.93	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	S	1.92	1.93	1.92
Diurnal Maximum	2.18	2.20	2.22	2.21	2.20	2.19	2.19	2.22	2.19	2.12	2.07	2.07	2.07	2.07	2.07	2.03	2.02	2.02	2.02	2.03	2.02	2.06	2.08	2.18			
Diurnal Average	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



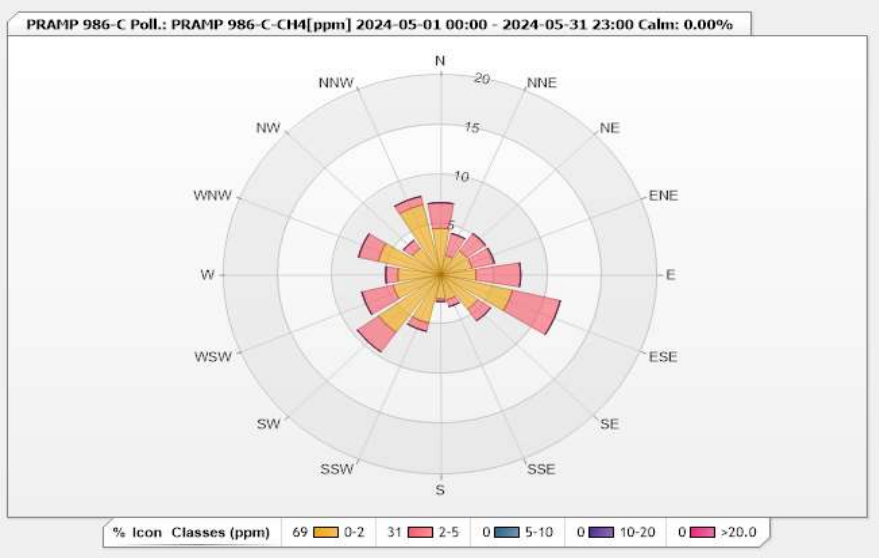


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.67	2.55	0	0	0	7.22
NNE	1.98	2.27	0	0	0	4.25
NE	2.97	2.12	0	0	0	5.09
ENE	2.97	2.12	0	0	0	5.09
E	3.26	4.11	0	0	0	7.37
ESE	6.8	4.53	0	0	0	11.33
SE	4.25	1.42	0	0	0	5.67
SSE	2.55	0.71	0	0	0	3.26
S	2.41	0.28	0	0	0	2.69
SSW	4.96	0.85	0	0	0	5.81
SW	7.08	2.41	0	0	0	9.49
WSW	4.53	2.97	0	0	0	7.5
W	3.97	1.13	0	0	0	5.1
WNW	5.95	1.84	0	0	0	7.79
NW	3.26	0.99	0	0	0	4.25
NNW	7.22	0.85	0	0	0	8.07
Summary	68.83	31.15	0	0	0	100



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

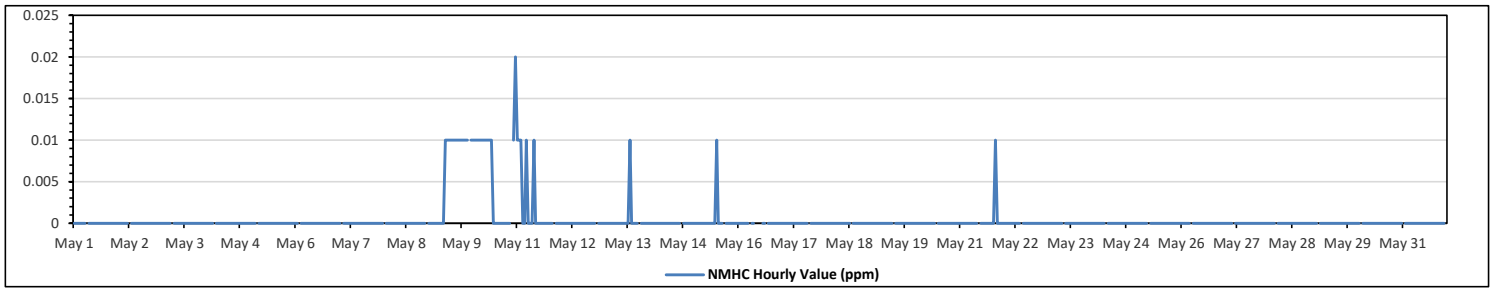
NON-METHANE HYDROCARBONS (NMHC) in ppm

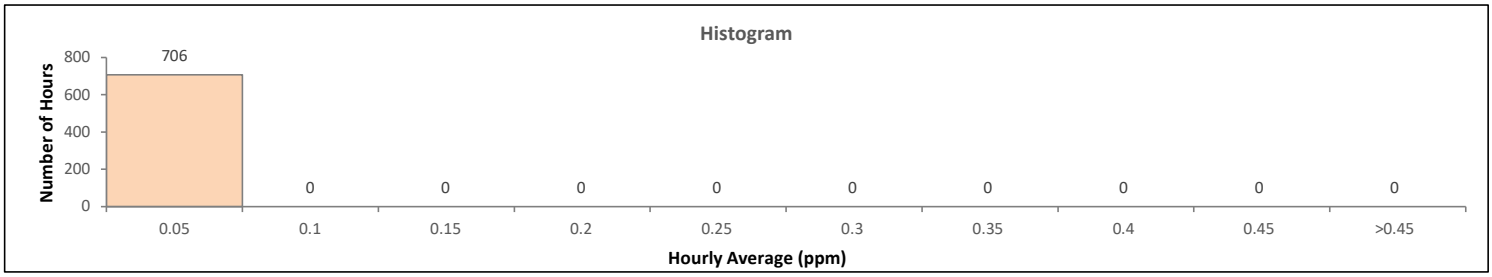
Maximum Hourly Value:	0.02	ppm	on May 10 at hr 23	Hours in Service:	744
Maximum Daily Value:	0.01	ppm	on May 9	Hours of Data:	706
Minimum Hourly Value:	0.00	ppm	on May 1 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	0.00	ppm	on May 1	Hours of Calibration:	37
Monthly Average:	0.00	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 2	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 3	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 4	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 5	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 6	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 7	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 8	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	S	0.01	0.00	0.01	**0.01**
May 10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.01	**0.02**	0.00	**0.02**	**0.01**
May 11	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.01	0.00
May 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 16	0.00	0.00	0.00	0.00	0.00	0.00	NRM	0.00	0.00	C	C	C	C	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 25	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 26	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 27	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 28	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 29	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 30	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 31	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Diurnal Maximum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



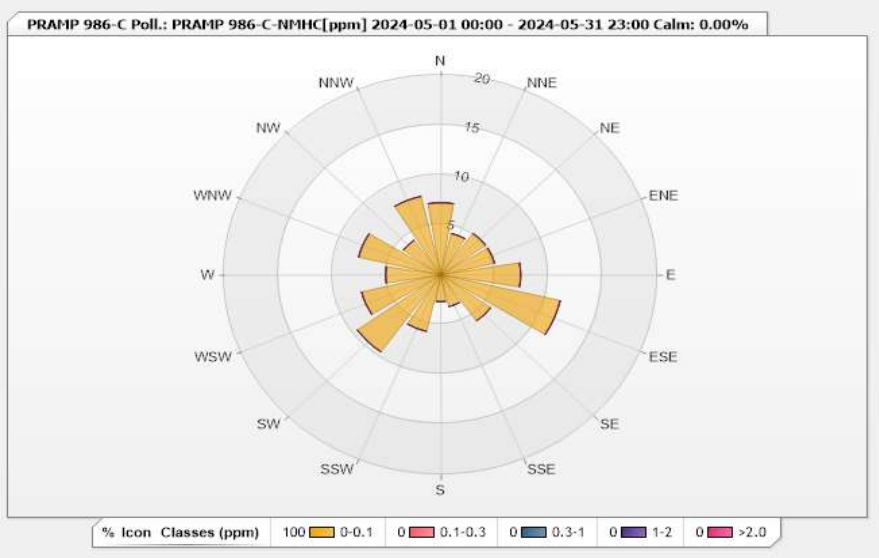


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	7.22	0	0	0	0	7.22
NNE	4.25	0	0	0	0	4.25
NE	5.1	0	0	0	0	5.1
ENE	5.1	0	0	0	0	5.1
E	7.37	0	0	0	0	7.37
ESE	11.33	0	0	0	0	11.33
SE	5.67	0	0	0	0	5.67
SSE	3.26	0	0	0	0	3.26
S	2.69	0	0	0	0	2.69
SSW	5.81	0	0	0	0	5.81
SW	9.49	0	0	0	0	9.49
WSW	7.51	0	0	0	0	7.51
W	5.1	0	0	0	0	5.1
WNW	7.79	0	0	0	0	7.79
NW	4.25	0	0	0	0	4.25
NNW	8.07	0	0	0	0	8.07
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

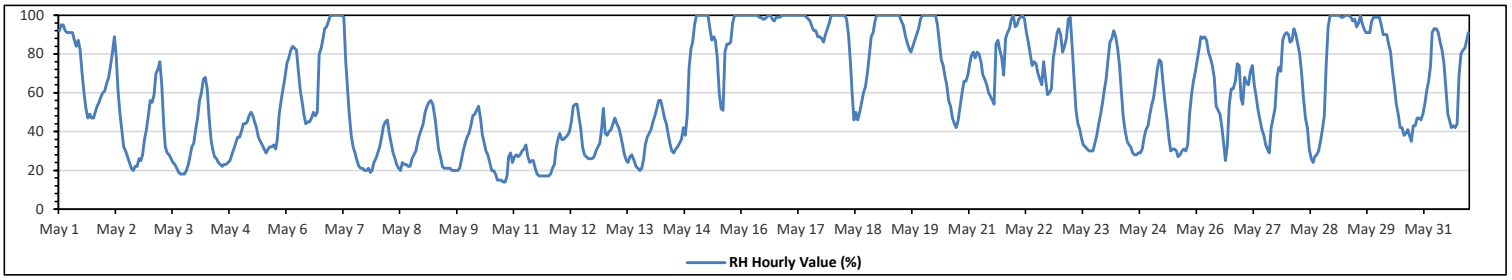
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on May 6 at hr 23	Hours in Service:	744
Maximum Daily Value:	99.4	%	on May 16	Hours of Data:	744
Minimum Hourly Value:	14	%	on May 10 at hr 18	Hours of Missing Data:	0
Minimum Daily Value:	24.0	%	on May 11	Hours of Calibration:	0
Monthly Average:	59.6	%		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	92	95	95	92	91	91	91	91	87	84	87	82	70	60	52	47	49	47	47	50	53	55	58	60	47	95	71.9
May 2	61	65	68	74	81	89	78	62	50	41	32	30	27	24	21	20	22	22	26	25	28	36	41	48	20	89	44.6
May 3	56	55	59	70	72	76	64	44	32	29	28	26	24	23	21	19	18	18	18	20	23	27	32	34	18	76	37.0
May 4	41	47	56	60	67	68	62	47	36	31	27	26	24	23	22	23	23	24	25	28	31	34	37	37	22	68	37.5
May 5	40	44	44	45	48	50	48	45	42	37	35	33	31	29	31	32	32	33	31	36	49	56	62	68	29	68	41.7
May 6	75	78	82	84	83	82	71	61	56	49	44	45	45	47	50	48	50	80	83	88	93	94	97	**100**	44	**100**	70.2
May 7	**100**	**100**	**100**	**100**	**100**	**100**	99	76	61	49	38	32	29	25	22	21	21	20	20	21	19	20	24	26	19	**100**	51.0
May 8	29	32	37	43	45	46	39	34	29	26	23	21	20	24	23	23	22	22	26	28	30	35	38	41	20	46	30.7
May 9	44	50	53	55	56	54	47	38	31	27	22	21	21	21	21	20	20	20	20	21	25	30	34	37	20	56	32.8
May 10	39	43	48	49	51	53	47	38	34	30	28	24	20	20	18	15	15	15	**14**	**14**	17	27	29	24	**14**	53	29.7
May 11	27	28	27	28	30	31	33	27	24	25	25	21	18	17	17	17	17	17	17	18	21	23	31	36	17	36	**24.0**
May 12	39	36	36	37	38	40	45	53	54	54	47	42	32	28	27	26	26	26	27	30	32	34	42	52	26	54	37.6
May 13	39	38	40	41	44	47	44	42	38	33	28	25	24	27	28	25	22	21	20	21	26	33	37	39	20	47	32.6
May 14	41	45	48	52	56	56	52	47	44	39	34	30	29	31	32	34	36	42	38	48	73	83	86	95	29	95	48.8
May 15	**100**	**100**	**100**	**100**	**100**	**100**	**100**	93	87	89	87	78	60	52	51	81	85	85	86	96	**100**	**100**	**100**	**100**	51	**100**	88.8
May 16	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	99	98	98	99	**100**	**100**	98	97	99	99	99	**100**	**100**	**100**	97	**100**	**99.4**
May 17	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	98	97	94	92	92	89	89	88	86	90	93	96	**100**	86	**100**	96.0
May 18	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	90	76	61	46	50	46	50	55	60	63	70	79	89	91	97	**100**	46	**100**	80.0
May 19	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	97	95	90	86	83	81	84	87	90	93	98	**100**	81	**100**	95.2
May 20	**100**	**100**	**100**	**100**	**100**	**100**	**100**	95	86	77	74	68	64	56	53	47	44	42	46	53	60	66	66	69	42	**100**	73.6
May 21	75	79	81	78	81	80	76	69	67	64	60	58	56	54	85	87	82	78	69	88	91	93	98	**100**	54	**100**	77.0
May 22	94	95	98	99	**100**	98	91	86	80	74	76	75	70	67	64	76	67	59	60	62	78	84	91	93	59	**100**	80.7
May 23	90	81	84	88	98	99	84	67	51	44	41	36	33	32	31	30	30	30	34	38	44	49	55	62	30	99	55.5
May 24	67	77	86	88	92	89	83	74	60	47	40	35	33	32	29	28	28	29	29	31	37	41	43	49	28	92	52.0
May 25	54	57	64	72	77	76	65	55	47	37	30	31	31	30	27	28	30	31	30	33	49	59	66	71	27	77	47.9
May 26	77	83	89	88	89	87	81	78	74	68	53	51	49	42	33	25	33	54	62	62	66	75	74	57	25	89	64.6
May 27	54	68	65	64	71	74	64	58	51	46	41	38	33	31	29	42	47	52	68	73	71	87	90	91	29	91	58.7
May 28	90	86	87	93	90	85	80	70	57	47	42	31	26	24	27	28	30	35	41	48	75	94	**100**	**100**	24	**100**	61.9
May 29	**100**	**100**	**100**	**100**	99	99	**100**	**100**	**100**	99	97	98	94	96	**100**	96	93	91	91	91	97	99	99	99	91	**100**	97.4
May 30	99	95	90	90	90	85	81	71	63	54	49	42	42	38	39	41	38	35	43	43	47	47	46	49	35	99	59.0
May 31	54	61	66	74	91	93	93	91	86	82	75	62	49	46	42	43	42	44	69	80	82	83	87	91	42	93	70.3
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	98	99	100	100	98	97	99	99	100	100	100	100			
Diurnal Average	70.2	72.2	74.3	76.3	78.7	79.0	74.8	68.1	61.8	56.7	52.3	48.5	45.0	43.0	42.8	43.7	43.6	45.2	47.8	51.5	57.6	62.6	66.3	68.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

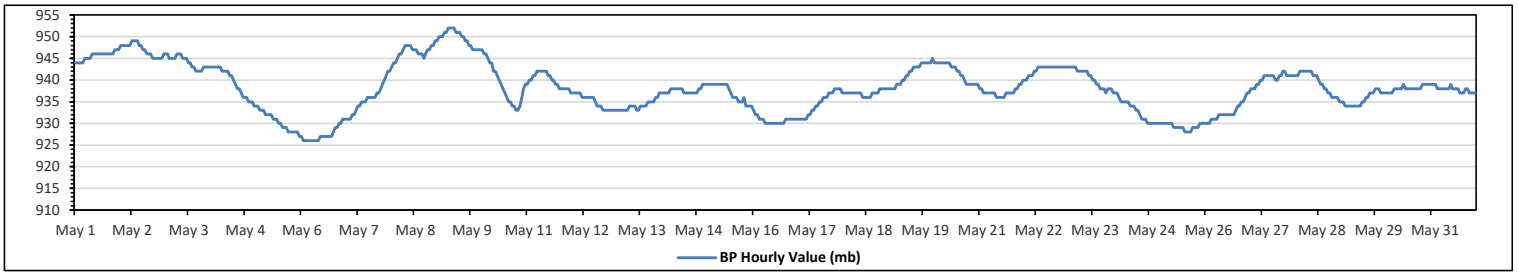
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	952	mb	on May 9 at hr 6	Hours in Service:	744	
Maximum Daily Value:	950	mb	on May 9	Hours of Data:	744	
Minimum Hourly Value:	926	mb	on May 6 at hr 1	Hours of Missing Data:	0	
Minimum Daily Value:	927	mb	on May 6	Hours of Calibration:	0	
Monthly Average:	938	mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	944	944	944	944	944	945	945	945	945	946	946	946	946	946	946	946	946	946	946	946	946	947	947	947	944	947	946
May 2	948	948	948	948	948	948	949	949	949	949	948	948	947	947	946	946	946	945	945	945	945	945	945	946	945	949	947
May 3	946	946	945	945	945	945	946	946	946	945	945	945	944	944	943	943	942	942	942	942	943	943	943	943	942	946	944
May 4	943	943	943	943	943	943	942	942	942	942	941	941	940	939	938	938	937	936	936	936	935	935	935	934	934	943	939
May 5	934	934	933	933	933	932	932	932	932	931	931	931	930	930	929	929	929	928	928	928	928	928	928	927	927	934	930
May 6	927	**926**	**926**	**926**	**926**	**926**	**926**	**926**	**926**	**926**	927	927	927	927	927	927	927	928	929	929	930	930	931	931	**926**	931	**927**
May 7	931	931	931	932	932	933	934	934	935	935	935	936	936	936	936	936	937	937	938	939	940	941	942	942	931	942	936
May 8	943	944	944	945	946	946	947	948	948	948	948	947	947	947	946	946	946	945	946	947	947	948	948	949	943	949	947
May 9	949	950	950	950	951	951	**952**	**952**	**952**	**952**	951	951	951	950	950	949	949	948	948	947	947	947	947	947	947	**952**	**950**
May 10	947	946	946	945	944	944	942	942	941	940	939	938	937	936	935	935	934	934	933	933	934	936	938	939	933	947	939
May 11	939	940	940	941	941	942	942	942	942	942	942	941	941	940	940	939	939	938	938	938	938	938	938	937	937	942	940
May 12	937	937	937	937	937	936	936	936	936	936	936	936	935	934	934	934	933	933	933	933	933	933	933	933	933	937	935
May 13	933	933	933	933	933	933	934	934	934	934	933	933	934	934	934	934	935	935	935	935	936	936	937	937	933	937	934
May 14	937	937	937	937	938	938	938	938	938	938	938	937	937	937	937	937	937	937	937	938	938	939	939	939	937	939	938
May 15	939	939	939	939	939	939	939	939	939	939	939	938	937	936	936	936	935	935	935	936	934	934	934	934	934	939	937
May 16	933	932	932	931	931	931	930	930	930	930	930	930	930	930	930	930	930	931	931	931	931	931	931	931	930	933	931
May 17	931	931	931	931	931	932	932	933	933	934	934	935	935	936	936	936	937	937	937	938	938	938	938	937	931	938	935
May 18	937	937	937	937	937	937	937	937	937	937	936	936	936	936	936	937	937	937	937	938	938	938	938	938	936	938	937
May 19	938	938	938	938	939	939	939	940	940	941	941	942	942	943	943	943	943	944	944	944	944	944	944	945	938	945	942
May 20	944	944	944	944	944	944	944	944	944	943	943	943	942	942	941	941	940	939	939	939	939	939	939	939	939	944	942
May 21	938	938	937	937	937	937	937	937	937	936	936	936	936	936	937	937	937	937	937	938	938	939	939	940	936	940	937
May 22	940	940	941	941	941	942	942	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	943	940	943	942
May 23	943	943	943	943	942	942	942	942	942	942	941	941	940	940	939	939	938	938	938	937	938	938	938	937	937	943	940
May 24	937	937	936	935	935	935	935	935	934	934	934	933	933	932	931	931	931	930	930	930	930	930	930	930	930	937	933
May 25	930	930	930	930	930	930	930	929	929	929	929	929	929	928	928	928	928	929	929	929	929	930	930	930	928	930	929
May 26	930	930	930	931	931	931	931	932	932	932	932	932	932	932	932	932	933	934	934	935	935	936	937	937	930	937	933
May 27	938	938	938	939	939	940	940	941	941	941	941	941	941	940	940	941	941	942	942	941	941	941	941	941	938	942	940
May 28	941	941	942	942	942	942	942	942	942	941	941	941	940	939	939	938	938	937	937	936	936	936	936	935	935	942	939
May 29	935	935	934	934	934	934	934	934	934	934	934	935	935	936	936	937	937	937	938	938	938	937	937	937	934	938	936
May 30	937	937	937	937	938	938	938	938	938	939	938	938	938	938	938	938	938	938	938	939	939	939	939	939	937	939	938
May 31	939	939	939	938	938	938	938	938	938	938	939	938	938	938	938	937	937	937	938	938	937	937	937	937	937	939	938
Diurnal Maximum	949	950	950	950	951	951	952	952	952	952	951	951	951	950	950	949	949	948	948	947	947	948	948	949			
Diurnal Average	938	938	938	938	938	938	939	939	939	939	938	938	938	938	938	938	937	937	937	938	938	938	938	938			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	25.3	°C	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	18.2	°C	on May 10	Hours of Data:	744	
Minimum Hourly Value:	-0.5	°C	on May 18 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	2.7	°C	on May 17	Hours of Calibration:	0	
Monthly Average:	10.5	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	4.2	3.9	3.8	3.8	3.7	3.7	3.7	3.9	4.8	5.4	5.4	7	8.7	10	10.7	11.8	11.9	12.2	12	11.4	10.3	9.1	8	7.6	3.7	12.2	7.4
May 2	7.1	5.8	4.8	3.5	2	0.3	3.1	6.1	8.4	9.7	10.9	12.1	13.4	14.6	15.3	15.9	15.4	16.2	15	14.9	13	10.5	8.9	6.6	0.3	16.2	9.7
May 3	4.7	4.8	3.5	1.5	0.7	0.4	3.6	7.9	10.8	11.8	12.5	13.2	14.1	14.7	15.3	15.9	15.7	15.9	15.6	14.1	11.4	9.7	7.8	6.8	0.4	15.9	9.7
May 4	4.2	2.6	1	1	-0.1	-0.1	2.7	7	10.2	11.7	12.7	13.4	14	14.5	15	14.8	14.9	14.8	14.3	13.2	11.5	10.1	8.8	9	-0.1	15.0	9.2
May 5	8.3	7.1	7.8	7.9	7.3	6.9	7.8	9.5	11.3	13.3	14	14.6	15.2	15.9	16	15.7	15.8	15.6	15.5	14.6	11.8	10.3	9.7	9.3	6.9	16.0	11.7
May 6	8.2	7.5	6.4	5.5	4.9	5.1	7.3	9.7	11.8	14.3	16.1	15.9	16	16.1	16.2	16.5	16.2	12.5	12.3	11.6	10.6	10.2	9.5	8.8	4.9	16.5	11.2
May 7	8.6	8.5	8.3	8.3	8.3	8.3	8.2	8.6	9.3	10.5	12.3	13.3	14.5	15.5	16.2	16.6	16.9	16.7	16.2	15.6	14.8	13.2	11.7	10.7	8.2	16.9	12.1
May 8	9.2	8.2	6.2	4.5	3.5	3.4	5.8	8.1	10	11.7	13	14.1	15.1	15.1	16	17	17.8	17.8	16.6	14.9	13.3	11.5	10.3	9.3	3.4	17.8	11.4
May 9	8	5.9	4.8	4.2	3.8	4.9	7.4	10.2	12.6	14.2	15.7	16.9	18	19.1	20.4	21.6	22.6	23.1	23.1	22.6	20.3	17.7	15.6	13.9	3.8	23.1	14.4
May 10	13.6	12.7	11.4	11.7	11.4	10.8	13.1	16.4	18.3	19.8	20	20.9	22.7	23.6	24.5	25	**25.3**	25	24.5	23.4	21.1	15.4	13.3	12.2	10.8	**25.3**	**18.2**
May 11	10.5	9.6	8.6	7.5	6	5.4	5.8	8.1	9.8	11.4	13	14.3	15.2	16.3	17	17.5	18	18.2	18.1	16.9	15.6	14.3	12.2	10.6	5.4	18.2	12.5
May 12	10.4	10.3	10.2	10.1	10	9.5	8.8	8.3	8.6	9	11	12.8	15.8	18.1	19.3	19.5	19.6	19.7	19.3	17.7	16.7	15.6	14.8	13.5	8.3	19.7	13.7
May 13	13.9	13.3	11.9	11.5	10.3	9.1	10.4	12	13.6	15.1	16.4	17.3	17.8	17.7	17.1	18	17.9	18.1	17.9	17.3	15.5	12.5	11	11.1	9.1	18.1	14.4
May 14	10.9	9.6	8.7	7.8	6.9	7.3	8.8	10.4	11.6	13.3	15.3	16.3	16.1	15.9	15.9	15.7	15.7	15.3	15.3	12.9	10.2	8.7	8.6	8	6.9	16.3	11.9
May 15	7.2	6.8	6.6	5.6	5.2	5.5	6.3	7.9	8.8	8.4	8.3	10	12.1	13	13.3	10.2	10.3	10	9.6	7.4	6.6	5.4	4	2.8	2.8	13.3	8.0
May 16	1.8	1.7	1.2	1.5	2.1	3	3.6	5.1	6.6	6.7	6.9	7.1	7.2	6	6.4	6.2	6	5.6	4.9	4.3	3.6	3.4	3.5	3	1.2	7.2	4.5
May 17	2.3	1.9	1.5	1.2	1.1	1.1	0.9	0.8	0.9	0.8	2.4	2.9	3.4	4	4.5	4.6	5.1	5.1	5	4.6	3.9	2.9	2.1	1.4	0.8	5.1	**2.7**
May 18	0.3	0.1	-0.3	-0.3	**-0.5**	0.4	1.4	3	4.8	6.9	8.6	9.4	9.6	9.9	10.1	9.5	8.6	8.2	7.2	6.4	5.7	5.2	4.2	3.8	**-0.5**	10.1	5.1
May 19	3.6	3.2	3	2.7	2.2	1.7	1.8	1.7	2	2.4	2.9	3.6	4.7	5.5	6.7	7.2	7.7	8.1	7.7	7.5	7.4	6.9	6.1	5.7	1.7	8.1	4.7
May 20	5.5	5.3	5	4.8	4.8	4.6	5.1	6.3	7.3	8.3	9.1	10.3	11	12.5	12.6	14	14.4	15.1	14.7	13.7	12.1	10.2	9.4	9	4.6	15.1	9.4
May 21	8.2	7.4	6.8	6.2	5.2	5.8	7.1	9.2	10.2	11.3	12.3	12.5	13	13	10.8	10.4	10.8	11.1	12.4	10.9	10.4	9.9	9.4	8.5	5.2	13.0	9.7
May 22	7.9	6.2	5.6	5.2	5.1	5.4	6.8	8.3	9.2	9.8	9.9	10.4	11.4	12	11.9	10.7	12	12.3	11.9	11.1	10.4	9	7.5	7.2	5.1	12.3	9.1
May 23	7.4	7.4	6	5	2.5	2.7	6	9.1	11.8	13.3	14	15	15.9	15.8	16.2	16.4	16.1	17	16.3	15.2	13.3	11.3	9.7	7.9	2.5	17.0	11.3
May 24	6.9	5.3	4.1	3.8	3.4	4.7	6.1	8	11	13.3	14.5	15.4	16.3	16.9	18.1	17.8	18.4	17.9	18.1	17.4	15.7	13.5	12.2	10.2	3.4	18.4	12.0
May 25	9.3	9	7.9	6.5	5.8	6.5	8.9	11.6	14.3	16.5	17.6	17.3	17.7	18.6	18.7	19.1	18.6	18.3	18.8	18.3	15.7	13.8	12.1	11.3	5.8	19.1	13.8
May 26	10.6	9.9	8.7	8.9	8.6	9	10.5	11.6	12.5	13.7	16.3	16.5	17.7	18.7	19.5	20.9	19.5	17	16.4	16.1	15.1	13.1	11.1	10.7	8.6	20.9	13.9
May 27	10.2	7.8	8.1	8.5	7.7	7.7	9.9	11.5	13.5	14.1	14.8	16.2	17.6	17.8	17.7	15.8	14.9	13.9	12.2	12	12.1	8.9	7.8	7.3	7.3	17.8	12.0
May 28	6.9	7.3	6.9	5.2	5.6	6.8	7.5	8.9	10.8	12.2	13.1	15.1	15.4	16.9	17	17	16.9	16.1	15.5	14.6	11.7	10.2	9.4	8.9	5.2	17.0	11.5
May 29	8.7	8.6	8.5	8.2	7.7	7.4	7.5	7.6	7.6	8	7.9	7.9	8.5	7.9	7.7	8.4	8.9	9.2	9.6	9.9	9	8.5	8.2	7.8	7.4	9.9	8.3
May 30	7.5	7.9	7.9	7.5	6.9	7.3	8.4	10.5	12.6	14.3	15.5	16.5	16	16.9	15.9	15.9	17	16.3	14.2	13.7	13.2	12.9	12.3	11.6	6.9	17.0	12.4
May 31	10.5	9.4	9.1	8.7	7.2	6.9	7.1	7.8	9	9.5	10.8	12.5	13.9	14.6	14.9	15.3	15.9	15.5	11.8	11.2	10.7	9.8	9	7.9	6.9	15.9	10.8
Diurnal Maximum	13.9	13.3	11.9	11.7	11.4	10.8	13.1	16.4	18.3	19.8	20.0	20.9	22.7	23.6	24.5	25.0	25.3	25.0	24.5	23.4	21.1	17.7	15.6	13.9			
Diurnal Average	7.6	6.9	6.3	5.7	5.1	5.2	6.5	8.2	9.8	11.0	12.0	12.9	13.8	14.4	14.7	14.9	15.0	14.8	14.3	13.4	12.0	10.4	9.3	8.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

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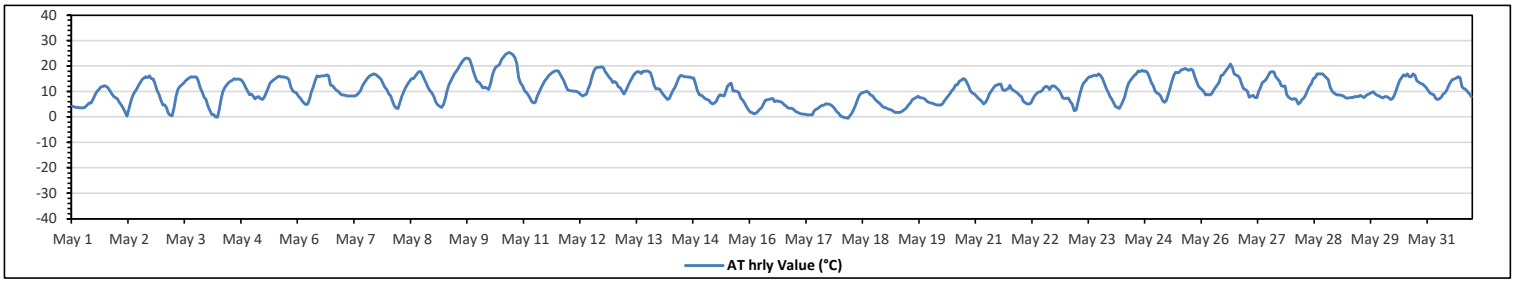


Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

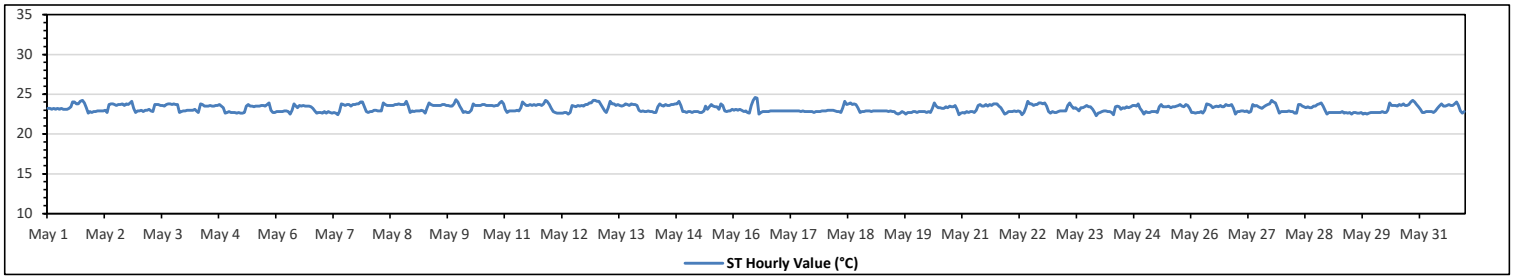
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	24.6	°C	on May 16 at hr 11	Hours in Service:	744
Maximum Daily Value:	23.6	°C	on May 13	Hours of Data:	744
Minimum Hourly Value:	22.3	°C	on May 23 at hr 22	Hours of Missing Data:	0
Minimum Daily Value:	22.7	°C	on May 29	Hours of Calibration:	0
Monthly Average:	23.2	°C		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	23.2	23.2	23.1	23.2	23.1	23.2	23.1	23.2	23.1	23.1	23.1	23.2	23.4	24.0	24.0	23.8	23.8	24.1	24.2	23.9	23.3	22.6	22.8	22.7	22.6	24.2	23.4
May 2	22.8	22.8	22.9	22.9	22.9	22.9	23.0	22.7	23.7	23.8	23.8	23.7	23.6	23.7	23.7	23.8	23.6	23.8	23.7	23.9	24.1	23.2	22.7	22.9	22.7	24.1	23.4
May 3	22.9	23.0	22.8	23.0	23.0	23.1	22.9	22.8	23.7	23.7	23.7	23.6	23.6	23.5	23.7	23.8	23.8	23.7	23.8	23.7	23.7	22.7	22.8	22.9	22.7	23.8	23.3
May 4	22.9	23.0	23.0	23.0	23.0	23.1	22.9	22.7	23.8	23.7	23.5	23.5	23.5	23.6	23.5	23.5	23.6	23.6	23.7	23.5	23.3	22.6	22.7	22.8	22.6	23.8	23.3
May 5	22.7	22.7	22.7	22.6	22.7	22.6	22.6	22.7	23.5	23.7	23.5	23.5	23.4	23.5	23.5	23.5	23.6	23.6	23.5	23.7	23.9	23.0	22.7	22.7	22.6	23.9	23.2
May 6	22.8	22.8	22.8	22.8	22.9	22.9	22.8	22.5	23.0	23.8	23.5	23.3	23.6	23.5	23.6	23.5	23.5	23.5	23.4	23.2	22.9	22.6	22.7	22.7	22.5	23.8	23.1
May 7	22.6	22.8	22.6	22.8	22.7	22.6	22.7	22.6	22.4	22.8	23.8	23.7	23.6	23.7	23.7	23.5	23.7	23.7	23.8	23.8	24.0	24.0	23.4	22.8	22.4	24.0	23.2
May 8	22.7	22.8	22.8	23.0	23.0	22.9	22.9	22.9	23.9	23.7	23.6	23.6	23.6	23.6	23.7	23.7	23.8	23.7	23.7	23.7	24.1	23.5	22.7	22.9	22.7	24.1	23.4
May 9	22.8	22.9	22.9	22.9	23.0	22.9	22.6	23.3	23.9	23.7	23.6	23.6	23.6	23.6	23.6	23.7	23.7	23.6	23.6	23.5	23.5	23.8	24.3	24.0	22.6	24.3	23.4
May 10	23.5	23.1	22.7	22.8	22.7	22.7	23.0	23.8	23.6	23.6	23.6	23.6	23.7	23.7	23.6	23.6	23.6	23.6	23.5	23.6	23.6	23.9	24.1	23.8	22.7	24.1	23.5
May 11	23.1	22.7	22.9	22.9	22.9	22.9	23.0	22.9	23.3	24.0	23.8	23.6	23.6	23.7	23.6	23.7	23.6	23.7	23.7	23.6	23.8	24.2	24.1	23.7	22.7	24.2	23.5
May 12	23.2	22.8	22.7	22.6	22.6	22.6	22.6	22.7	22.7	22.5	22.7	23.6	23.5	23.4	23.6	23.5	23.6	23.5	23.7	23.7	23.9	23.9	24.2	24.2	22.5	24.2	23.3
May 13	24.1	24.1	23.7	23.3	22.9	22.7	23.3	24.1	23.8	23.8	23.6	23.7	23.6	23.5	23.6	23.8	23.7	23.6	23.8	23.7	23.7	23.6	23.0	22.8	22.7	24.1	**23.6**
May 14	22.9	22.8	22.8	22.9	22.8	22.8	22.7	22.7	23.4	23.8	23.6	23.5	23.7	23.6	23.6	23.7	23.7	23.8	23.8	24.1	23.6	22.8	22.8	22.7	22.7	24.1	23.3
May 15	22.8	22.8	22.7	22.8	22.8	22.8	22.7	22.7	22.9	23.5	23.1	23.4	23.7	23.5	23.4	23.4	23.1	23.8	23.6	22.9	22.8	22.9	22.9	23.1	22.7	23.8	23.1
May 16	23.0	23.1	23.0	23.1	23.0	22.8	22.9	22.7	22.6	23.6	24.2	**24.6**	24.5	22.5	22.7	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.5	**24.6**	23.1
May 17	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.9	22.8	22.8	22.8	22.8	22.8	22.7	22.8	22.8	22.8	22.9	22.9	22.7	22.9	22.9
May 18	22.9	23.0	23.0	23.0	23.0	22.9	22.8	22.8	22.7	23.3	24.1	23.7	23.8	23.9	23.7	23.8	23.7	23.3	22.7	22.8	22.8	22.9	22.9	22.9	22.7	24.1	23.2
May 19	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.9	22.8	22.8	22.6	22.5	22.6	22.8	22.7	22.5	22.7	22.7	22.7	22.8	22.8	22.5	22.9	22.8
May 20	22.7	22.8	22.8	22.8	22.8	22.7	22.8	22.7	23.2	23.9	23.5	23.3	23.3	23.2	23.2	23.4	23.3	23.5	23.4	23.4	23.6	23.1	22.4	22.6	22.4	23.9	23.1
May 21	22.7	22.6	22.8	22.7	22.8	22.8	22.7	23.0	23.6	23.7	23.5	23.5	23.7	23.5	23.7	23.6	23.8	23.8	23.8	23.5	23.3	22.9	22.5	22.6	22.5	23.8	23.2
May 22	22.8	22.8	22.8	22.9	22.8	22.9	22.8	22.4	22.7	23.3	24.1	23.8	23.8	23.6	23.7	23.7	23.9	23.9	23.8	23.9	23.5	22.8	22.6	22.8	22.4	24.1	23.3
May 23	22.7	22.7	22.8	22.9	22.9	22.9	22.9	23.6	23.9	23.5	23.2	23.3	23.1	22.9	23.3	23.3	23.4	23.6	23.4	23.4	23.1	22.7	**22.3**	22.6	**22.3**	23.9	23.1
May 24	22.7	22.8	22.9	22.9	22.8	22.8	22.7	22.4	23.4	23.5	23.4	23.1	23.3	23.2	23.4	23.3	23.4	23.6	23.6	23.5	23.8	23.2	22.9	22.5	22.4	23.8	23.1
May 25	22.8	22.7	22.7	22.8	22.8	22.8	22.7	23.4	23.7	23.4	23.4	23.4	23.5	23.3	23.4	23.4	23.5	23.6	23.7	23.5	23.4	23.7	23.6	23.2	22.7	23.7	23.3
May 26	22.7	22.7	22.6	22.7	22.7	22.8	22.6	23.0	23.8	23.7	23.6	23.3	23.4	23.5	23.4	23.6	23.4	23.4	23.7	23.6	23.6	23.7	23.2	22.5	22.5	23.8	23.2
May 27	22.8	22.8	22.9	22.9	22.8	22.9	22.7	22.8	23.7	23.5	23.6	23.4	23.3	23.2	23.4	23.6	23.7	23.8	24.2	24.0	23.9	23.3	22.6	22.8	22.6	24.2	23.3
May 28	22.8	22.8	22.8	22.9	22.8	22.8	22.6	22.6	23.7	23.7	23.5	23.4	23.3	23.4	23.3	23.3	23.5	23.5	23.7	23.8	23.9	23.5	23.0	22.5	22.5	23.9	23.2
May 29	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.6	22.7	22.6	22.7	22.5	22.7	22.7	22.6	22.6	22.7	22.5	22.6	22.5	22.6	22.7	22.7	22.5	22.8	**22.7**
May 30	22.7	22.7	22.7	22.7	22.8	22.7	22.7	23.0	23.9	23.6	23.6	23.6	23.5	23.7	23.6	23.8	23.6	23.6	23.7	24.0	24.2	24.0	23.7	23.4	22.7	24.2	23.4
May 31	23.1	22.7	22.7	22.8	22.8	22.8	22.8	22.7	22.9	23.2	23.5	23.8	23.5	23.5	23.6	23.7	23.6	23.6	23.8	24.0	23.6	22.9	22.6	22.8	22.6	24.0	23.2
Diurnal Maximum	24.1	24.1	23.7	23.3	23.1	23.2	23.3	24.1	23.9	24.0	24.2	24.6	24.5	24.0	24.0	23.8	23.9	24.1	24.2	24.1	24.2	24.2	24.3	24.2			
Diurnal Average	22.9	22.9	22.8	22.9	22.8	22.8	22.8	22.9	23.3	23.5	23.5	23.5	23.5	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.2	23.0	22.9			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

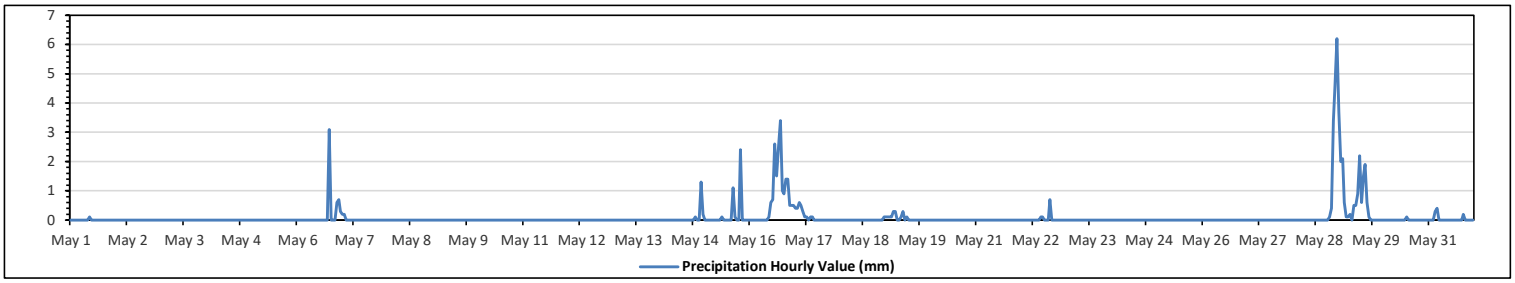
PRECIPITATION in mm

Maximum Hourly Value:	6.2	mm	on May 28 at hr 23	Hours in Service:	744	
Maximum Daily Value:	17.6	mm	on May 16	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on May 2	Hours of Calibration:	0	
Monthly Total:	66.5	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
May 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0	0	0.6	0.7	0.3	0.0	3.1	4.7
May 7	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.4
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	1.3	0.2	0.0	1.3	1.6
May 15	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	1.1	0.1	0	0	2.4	0	0	0	0	0.0	2.4	3.7
May 16	0	0	0	0	0	0	0	0	0	0	0.1	0.6	0.7	2.6	1.5	2.5	3.4	1	0.9	1.4	1.4	0.5	0.5	0.5	0.0	3.4	**17.6**
May 17	0.4	0.4	0.6	0.5	0.3	0.1	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.6	2.6
May 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.0	0.1	0.1
May 19	0.1	0.1	0.1	0.1	0.3	0.3	0	0	0.1	0.3	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3	1.5
May 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 22	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0	0	0	0.7	0	0	0	0	0	0	0	0	0.0	0.7	0.9
May 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4	3.4	4.6	**6.2**	0.0	**6.2**	14.7
May 29	3.7	2	2.1	0.6	0.1	0.1	0.2	0	0.5	0.5	0.9	2.2	0.6	1.5	1.9	0.6	0.1	0	0	0	0	0	0	0	0.0	3.7	**17.6**
May 30	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
May 31	0	0	0	0.3	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0.0	0.4	0.9
Diurnal Maximum	3.7	2.0	2.1	0.6	0.4	0.3	0.2	0.0	0.5	0.5	0.9	2.2	0.7	2.6	1.9	2.5	3.4	3.1	0.9	2.4	1.4	3.4	4.6	6.2			
Diurnal Average	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.2			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

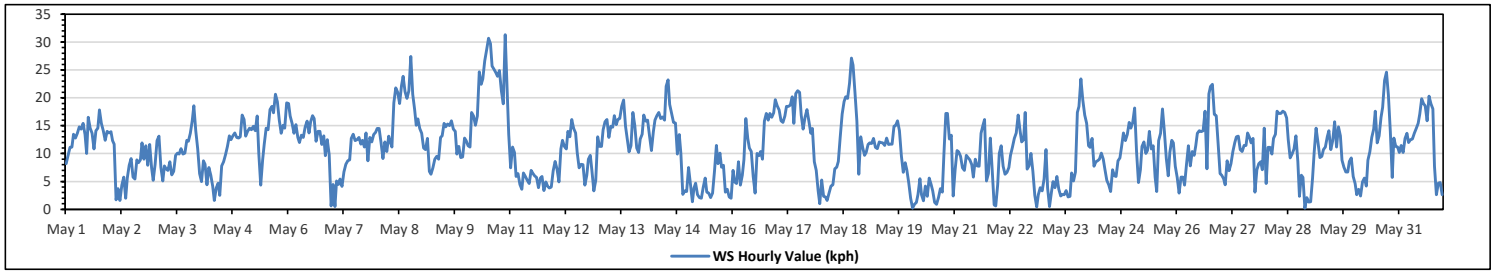
VECTOR WIND SPEED (VWS) in km/hr

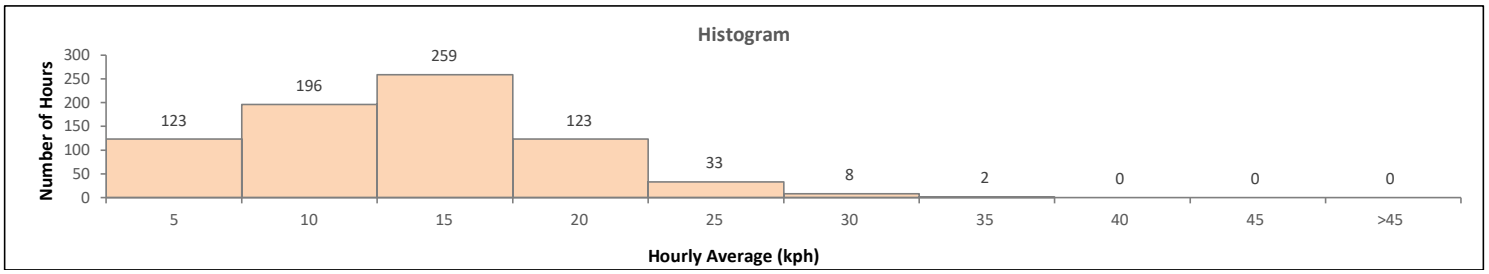
Maximum Hourly Value:	31.3	kph	on May 10 at hr 21	Hours in Service:	744	
Maximum Daily Value:	21.6	kph	on May 10	Hours of Data:	744	
Minimum Hourly Value:	0.2	kph	on May 20 at hr 1	Hours of Missing Data:	0	
Minimum Daily Value:	4.7	kph	on May 15	Hours of Calibration:	0	
Monthly Average:	1.0	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	8.2	9.7	11.1	11.2	13.5	12.8	13.6	14.8	14.4	15.4	13.4	10.0	16.5	14.6	13.6	10.8	14.1	14.6	17.8	15.4	14.1	12.4	14.0	13.7	8.2	17.8	13.3
May 2	13.9	12.3	11.7	1.7	3.7	1.6	4.3	5.8	2.0	5.6	7.9	9.1	5.8	5.4	8.9	8.4	8.9	11.9	9.0	11.4	7.9	11.6	7.4	5.2	1.6	13.9	7.6
May 3	8.1	12.3	13.1	7.6	5.1	7.8	7.2	7.0	8.5	6.2	6.8	9.7	10.1	9.9	10.9	9.9	10.1	12.4	12.2	13.6	15.9	18.6	14.1	10.9	5.1	18.6	10.3
May 4	6.4	5.0	8.7	8.1	4.4	7.5	6.1	4.1	1.6	3.8	4.7	2.5	7.8	8.5	9.8	11.3	13.2	12.5	13.2	13.7	12.9	12.8	13.0	16.9	1.6	16.9	8.7
May 5	16.1	13.1	14.0	14.6	14.3	14.9	14.1	16.7	10.0	4.3	8.9	11.7	14.6	14.3	17.9	18.5	17.3	20.6	19.3	16.0	13.6	15.1	14.6	19.1	4.3	20.6	14.7
May 6	19.0	16.7	15.4	13.6	15.2	12.9	12.0	13.3	12.9	14.8	15.8	13.7	15.7	16.8	16.3	12.2	14.0	14.0	11.6	13.2	9.6	12.5	9.8	0.6	0.6	19.0	13.4
May 7	4.5	0.5	5.1	4.5	5.4	4.1	6.7	8.1	8.7	8.9	12.7	13.5	12.3	12.5	12.9	11.7	12.4	11.2	13.7	8.7	12.9	12.1	13.4	13.8	0.5	13.8	9.6
May 8	14.5	14.5	12.0	9.1	12.1	10.4	13.1	12.1	11.2	19.1	21.8	21.0	19.0	22.2	23.9	21.1	19.9	21.3	27.4	20.6	17.9	15.1	16.2	14.5	9.1	27.4	17.1
May 9	13.6	11.0	10.7	12.7	6.8	6.3	7.4	9.0	9.5	9.0	12.9	13.2	15.4	14.8	15.3	15.0	15.9	14.4	14.0	9.9	11.3	9.3	9.4	12.8	6.3	15.9	11.7
May 10	12.3	11.4	11.2	17.4	16.7	15.1	16.7	24.7	22.4	23.4	26.6	28.6	30.7	29.7	25.7	25.1	24.5	23.9	24.9	21.3	18.9	**31.3**	21.5	13.5	11.2	**31.3**	**21.6**
May 11	7.4	11.2	10.2	5.9	6.4	4.5	3.6	6.5	5.9	5.2	4.6	7.0	6.4	6.0	5.7	3.9	5.6	5.9	3.4	4.9	4.1	3.8	4.0	6.9	3.4	11.2	5.8
May 12	8.6	7.2	4.9	10.8	12.4	11.3	10.8	14.0	13.0	16.1	14.5	13.7	10.2	7.4	8.1	8.0	4.3	6.1	9.0	9.7	6.9	3.3	5.2	13.0	3.3	16.1	9.5
May 13	11.3	11.3	14.3	15.7	16.1	12.9	14.9	14.7	16.8	15.2	16.1	16.3	18.5	19.6	14.9	12.4	10.3	11.4	17.4	15.0	11.0	10.2	12.6	13.5	10.2	19.6	14.3
May 14	16.9	15.8	16.0	13.2	10.5	13.9	16.0	16.8	17.4	16.3	16.6	16.0	22.1	23.2	18.8	17.2	15.6	15.5	9.9	13.4	10.0	2.7	3.3	3.2	2.7	23.2	14.2
May 15	7.5	4.5	1.4	3.8	4.7	2.6	2.1	2.0	4.0	5.6	3.1	2.9	2.1	2.9	6.8	11.5	8.2	10.1	7.6	7.9	3.1	3.6	2.2	2.0	1.4	11.5	**4.7**
May 16	7.0	4.9	4.6	8.5	4.3	6.1	8.9	16.3	12.7	11.0	10.4	5.9	2.9	10.0	9.6	10.4	9.0	15.8	17.2	16.0	17.2	16.5	17.3	19.7	2.9	19.7	10.9
May 17	18.6	17.8	15.9	15.6	16.7	18.5	18.5	18.7	20.2	15.4	20.8	21.3	21.0	16.9	14.4	16.5	17.9	15.8	13.6	14.5	8.5	7.0	3.3	1.0	1.0	21.3	15.4
May 18	5.3	2.3	2.2	1.6	2.9	4.2	4.4	7.3	7.6	8.6	13.0	17.1	19.3	20.2	19.9	22.6	27.1	25.9	21.0	15.8	6.3	13.0	11.1	9.7	1.6	27.1	12.0
May 19	10.2	11.6	11.9	11.8	12.7	11.1	10.9	12.1	12.0	11.9	11.5	12.8	11.6	11.7	11.7	14.9	15.0	15.9	14.1	9.6	6.6	8.4	7.1	4.8	4.8	15.9	11.3
May 20	2.0	**0.2**	0.9	1.2	2.7	5.5	2.6	1.5	4.2	2.3	5.6	4.5	3.3	1.2	0.9	2.1	3.7	3.1	9.9	17.2	17.2	12.6	13.3	2.4	**0.2**	17.2	5.0
May 21	7.1	10.5	10.3	9.5	7.4	7.0	9.7	9.2	8.9	8.0	5.8	9.0	7.8	7.7	13.6	15.1	16.1	5.1	6.4	12.8	6.9	0.8	0.6	4.4	0.6	16.1	8.3
May 22	10.0	11.4	7.7	6.3	6.6	7.5	9.7	11.1	12.7	13.7	16.9	14.1	12.1	12.5	17.4	7.2	7.8	10.0	6.8	2.5	0.4	2.6	3.9	3.3	0.4	17.4	8.9
May 23	5.4	10.7	3.8	0.5	3.1	5.0	3.9	5.9	3.6	2.4	2.7	2.6	3.4	2.2	2.3	6.5	5.1	6.7	17.4	18.5	23.4	19.6	16.9	15.4	0.5	23.4	7.8
May 24	11.4	11.1	12.7	7.7	8.5	8.7	9.0	10.1	9.0	7.2	5.2	4.4	3.2	7.1	6.0	5.9	8.7	9.2	11.2	13.7	12.3	13.4	15.6	14.6	3.2	15.6	9.4
May 25	15.6	18.2	10.3	4.8	7.1	11.3	12.1	10.0	10.5	14.0	10.8	11.4	5.8	3.2	12.3	13.6	18.0	13.9	9.1	6.0	10.2	12.4	11.9	7.7	3.2	18.2	10.8
May 26	5.7	2.9	5.8	5.8	4.3	8.0	11.4	7.8	10.4	9.7	11.4	13.6	14.1	13.9	14.1	17.6	7.3	20.7	22.0	22.4	17.0	16.8	11.7	6.4	2.9	22.4	11.7
May 27	6.1	5.5	4.4	8.7	6.9	8.2	10.4	12.0	13.0	13.1	10.7	10.4	11.5	11.5	13.7	12.9	11.9	12.7	3.1	7.1	8.2	8.5	7.1	14.6	3.1	14.6	9.7
May 28	4.6	11.1	11.1	9.9	12.7	13.5	17.6	17.2	17.2	17.6	17.4	16.4	12.5	9.2	9.9	10.8	13.2	8.6	2.3	6.1	5.7	**0.2**	2.1	1.3	**0.2**	17.6	10.3
May 29	1.4	5.6	10.2	14.6	12.0	9.3	9.5	10.7	11.2	13.0	14.1	10.7	12.3	15.7	11.2	14.8	13.2	8.8	7.6	6.7	6.7	8.6	9.2	5.9	1.4	15.7	10.1
May 30	4.6	2.6	3.6	2.4	4.9	5.6	4.2	8.8	10.3	12.9	14.4	17.6	11.9	13.2	16.5	18.3	23.1	24.6	20.5	14.0	5.7	12.8	11.3	11.2	2.4	24.6	11.5
May 31	10.2	11.5	10.2	12.7	13.6	12.0	12.5	12.6	13.6	14.5	15.4	17.1	19.8	18.9	18.6	15.9	20.3	18.9	18.0	7.7	2.6	4.7	4.8	2.6	2.6	20.3	12.9
Diurnal Maximum	19.0	18.2	16.0	17.4	16.7	18.5	18.5	24.7	22.4	23.4	26.6	28.6	30.7	29.7	25.7	25.1	27.1	25.9	27.4	22.4	23.4	31.3	21.5	19.7			
Diurnal Average	9.5	9.5	9.2	8.8	8.8	9.0	9.8	11.0	10.8	11.1	12.0	12.2	12.2	12.4	13.0	13.0	13.3	13.6	13.2	12.4	10.5	10.7	9.9	9.2			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



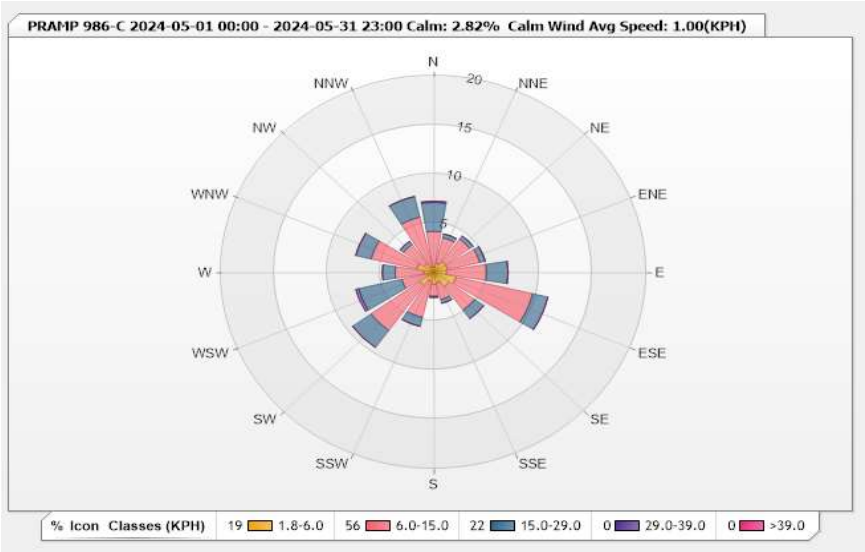


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 05-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 2.82% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.54	3.63	2.96	0.13	0	7.26
NNE	0.94	2.69	0.4	0	0	4.03
NE	1.34	2.82	0.4	0	0	4.56
ENE	1.34	3.09	0.54	0	0	4.97
E	1.21	3.76	2.02	0	0	6.99
ESE	2.15	7.39	1.48	0	0	11.02
SE	1.75	2.96	1.08	0	0	5.79
SSE	1.08	1.75	0.4	0	0	3.23
S	1.21	1.21	0.13	0	0	2.55
SSW	0.94	3.76	0.94	0	0	5.64
SW	1.61	5.65	2.15	0	0	9.41
WSW	0.54	2.55	4.17	0.27	0	7.53
W	0.94	2.69	1.21	0	0	4.84
WNW	1.61	4.44	1.48	0	0	7.53
NW	1.08	2.42	0.4	0	0	3.9
NNW	0.54	5.24	2.15	0	0	7.93
Summary	18.82	56.05	21.91	0.4	0	97.18



Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

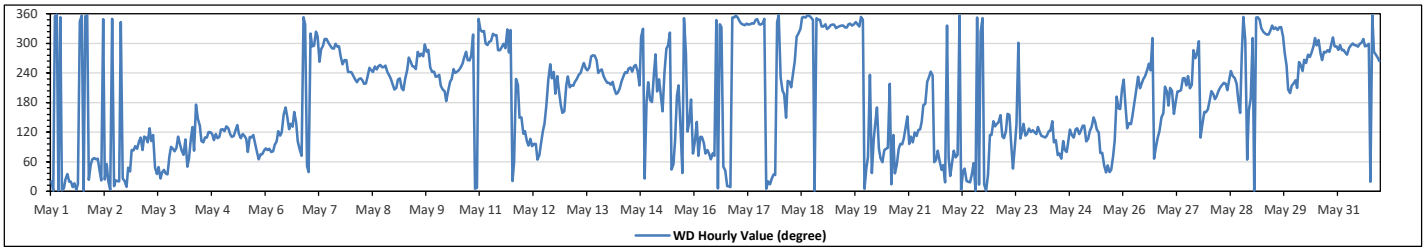
WIND DIRECTION (VWD) in sector

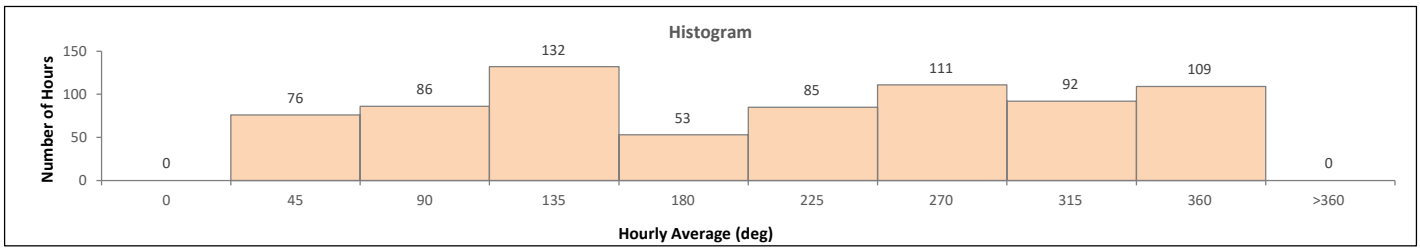
Monthly Average:	292 (WNW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
May 1	NNE	N	N	N	N	N	N	N	NNE	NE	NNE	NNE	N	NNE	N	NNE	NNW	N	N	N	N	NNE	NE	ENE	11	NNE
May 2	ENE	ENE	ENE	NE	NNE	NNW	NNE	NE	NNE	N	N	N	NNE	NNE	NNE	NNW	NNE	NNE	N	NE	NE	E	E	E	38	NE
May 3	E	E	ESE	E	ESE	ESE	E	SE	E	ESE	NE	NE	NE	NNE	NE	NE	NE	NE	ENE	E	E	E	E	ESE	77	ENE
May 4	E	E	ENE	ESE	NE	ENE	ESE	SE	E	S	SE	SE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	109	ESE
May 5	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	E	E	ENE	ENE	ENE	E	105	ESE
May 6	E	E	E	E	E	E	E	ESE	ESE	ESE	SSE	SSE	SSE	SE	SE	SE	SSE	SE	E	E	ENE	N	NNW	NE	110	ESE
May 7	NE	NW	WNW	WNW	NW	NW	W	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	W	W	WSW	WSW	285	WNW
May 8	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	241	WSW
May 9	SSW	SSW	SW	SW	SSW	SSW	SW	WSW	W	W	WSW	WSW	WSW	W	W	W	W	WNW	W	WNW	WSW	WSW	WSW	SW	253	WSW
May 10	SW	SW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	NW	N	N	N	255	WSW
May 11	NW	NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NNW	W	NW	NNE	ENE	SW	SW	SSE	SSE	306	NW
May 12	ESE	ESE	E	E	ESE	E	E	E	ENE	ENE	E	ESE	SE	S	SW	WSW	SW	WSW	SSW	SW	SSW	S	SSE	SSE	128	SE
May 13	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	SW	SW	SW	240	WSW
May 14	SW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	NW	NNW	NNE	S	SW	S	236	SW
May 15	S	SW	W	SSW	SW	SSW	SSE	WSW	WNW	WNW	NW	NE	NE	E	SSW	SSW	SE	NE	N	W	ESE	SE	S	ENE	212	SSW
May 16	E	SE	ENE	ESE	ESE	E	ENE	E	ENE	ENE	ENE	ENE	NNW	N	NNW	NNW	NE	NE	N	N	N	N	N	N	34	NE
May 17	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NE	NNE	NNW	N	350	N
May 18	SW	SSW	SSW	SSE	SW	SW	SSW	WSW	W	NW	NW	NNW	N	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW	340	NNW
May 19	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	N	337	NNW
May 20	NE	ENE	SW	NE	ESE	SE	SSE	E	ENE	ENE	E	E	E	SW	NNE	ESE	NE	NE	E	E	E	ESE	SE	SSE	98	E
May 21	E	ESE	E	ESE	ESE	ESE	SE	SE	S	S	SW	SW	WSW	SW	ENE	ENE	E	ENE	NE	NE	NNE	NNW	ENE	NNE	102	E
May 22	ENE	E	ENE	ENE	N	N	NE	NE	NNE	NNE	NNE	NE	ENE	N	N	NNE	NW	N	NNE	N	NNE	ESE	ESE	SE	28	NNE
May 23	SE	SE	SE	SSE	ESE	ESE	ESE	SSE	SSE	E	NE	E	SE	WNW	ESE	ESE	SE	ESE	ESE	SE	ESE	ESE	ESE	ESE	123	ESE
May 24	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	E	ESE	ENE	ENE	ENE	E	E	E	E	SE	ESE	ESE	SE	SE	ESE	112	ESE
May 25	ESE	SE	SE	E	ESE	ESE	SE	SSE	SE	SE	ESE	ENE	ENE	NE	NE	NE	NE	NE	ENE	ESE	S	SSE	SSE	SSW	111	ESE
May 26	SW	S	SE	SE	SE	SSE	S	SSW	SW	SSW	SW	SW	SW	WSW	WSW	WSW	NW	ENE	E	ESE	ESE	SSE	SSE	SSW	179	S
May 27	SSW	S	SSW	SSW	SSE	S	SSW	SSW	SSW	SW	SW	SSW	SW	SSW	SW	WNW	W	W	WNW	ESE	SE	SSE	SSE	SSE	209	SSW
May 28	S	SSW	SSW	S	S	SSW	SSW	SW	SW	SW	SSW	SW	WSW	SW	SW	SW	S	SSE	W	N	NW	ENE	SSE	S	212	SSW
May 29	NW	N	N	N	NNW	NNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	W	WSW	SSW	SSW	SSW	SW	320	NW
May 30	SW	SSW	W	WSW	WSW	W	WSW	W	W	W	WNW	NW	WNW	NW	W	W	W	W	WNW	W	WNW	NW	WNW	WNW	285	WNW
May 31	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NNE	N	W	W	W	W	298	WNW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

986-C Station - May 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	31.3	kph	on May 10 at hr 21	Hours in Service:	744
Maximum Daily Value:	21.6	kph	on May 10	Hours of Data:	744
Minimum Hourly Value:	0.2	kph	on May 20 at hr 1	Hours of Missing Data:	0
Minimum Daily Value:	4.7	kph	on May 15	Hours of Calibration:	0
Monthly Average:	1.0	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 292 degree (WNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	8.2	9.7	11.1	11.2	13.5	12.8	13.6	14.8	14.4	15.4	13.4	10.0	16.5	14.6	13.6	10.8	14.1	14.6	17.8	15.4	14.1	12.4	14.0	13.7	8.2	17.8	13.3
	NNE	N	N	N	N	N	N	N	NNE	NE	NNE	NNE	N	NNE	N	NNE	NNW	N	N	N	N	NNE	NE	ENE			11(NNE)
May 2	13.9	12.3	11.7	1.7	3.7	1.6	4.3	5.8	2.0	5.6	7.9	9.1	5.8	5.4	8.9	8.4	8.9	11.9	9.0	11.4	7.9	11.6	7.4	5.2	1.6	13.9	7.6
	ENE	ENE	ENE	NE	NNE	NNW	NNE	NE	NNE	N	N	N	NNE	NNE	NNE	NNW	NNE	NNE	N	NE	NE	E	E	E			38(NE)
May 3	8.1	12.3	13.1	7.6	5.1	7.8	7.2	7.0	8.5	6.2	6.8	9.7	10.1	9.9	10.9	9.9	10.1	12.4	12.2	13.6	15.9	18.6	14.1	10.9	5.1	18.6	10.3
	E	E	ESE	E	ESE	ESE	E	SE	E	ESE	NE	NE	NE	NNE	NE	NE	NE	NE	ENE	E	E	E	E	ESE			77(ENE)
May 4	6.4	5.0	8.7	8.1	4.4	7.5	6.1	4.1	1.6	3.8	4.7	2.5	7.8	8.5	9.8	11.3	13.2	12.5	13.2	13.7	12.9	12.8	13.0	16.9	1.6	16.9	8.7
	E	E	ENE	ESE	NE	ENE	ESE	SE	E	S	SE	SE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE			109(ESE)
May 5	16.1	13.1	14.0	14.6	14.3	14.9	14.1	16.7	10.0	4.3	8.9	11.7	14.6	14.3	17.9	18.5	17.3	20.6	19.3	16.0	13.6	15.1	14.6	19.1	4.3	20.6	14.7
	SE	ESE	SE	SE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	E	E	ENE	ENE	ENE	E			105(ESE)
May 6	19.0	16.7	15.4	13.6	15.2	12.9	12.0	13.3	12.9	14.8	15.8	13.7	15.7	16.8	16.3	12.2	14.0	14.0	11.6	13.2	9.6	12.5	9.8	0.6	0.6	19.0	13.4
	E	E	E	E	E	E	E	ESE	ESE	ESE	SSE	SSE	SSE	SE	SE	SE	SSE	SE	E	E	ENE	N	NNW	NE			110(ESE)
May 7	4.5	0.5	5.1	4.5	5.4	4.1	6.7	8.1	8.7	8.9	12.7	13.5	12.3	12.5	12.9	11.7	12.4	11.2	13.7	8.7	12.9	12.1	13.4	13.8	0.5	13.8	9.6
	NE	NW	WNW	WNW	NW	NW	W	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	W	W	WSW	WSW			285(WNW)
May 8	14.5	14.5	12.0	9.1	12.1	10.4	13.1	12.1	11.2	19.1	21.8	21.0	19.0	22.2	23.9	21.1	19.9	21.3	27.4	20.6	17.9	15.1	16.2	14.5	9.1	27.4	17.1
	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW			241(WSW)
May 9	13.6	11.0	10.7	12.7	6.8	6.3	7.4	9.0	9.5	9.0	12.9	13.2	15.4	14.8	15.3	15.0	15.9	14.4	14.0	9.9	11.3	9.3	9.4	12.8	6.3	15.9	11.7
	SSW	SSW	SW	SW	SSW	SSW	SW	WSW	W	W	WSW	WSW	WSW	W	W	W	W	WNW	W	WNW	WSW	WSW	WSW	SW			253(WSW)
May 10	12.3	11.4	11.2	17.4	16.7	15.1	16.7	24.7	22.4	23.4	26.6	28.6	30.7	29.7	25.7	25.1	24.5	23.9	24.9	21.3	18.9	**31.3**	21.5	13.5	11.2	**31.3**	**21.6**
	SW	SW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	NW	N	N	N			255(WSW)
May 11	7.4	11.2	10.2	5.9	6.4	4.5	3.6	6.5	5.9	5.2	4.6	7.0	6.4	6.0	5.7	3.9	5.6	5.9	3.4	4.9	4.1	3.8	4.0	6.9	3.4	11.2	5.8
	NW	NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NNW	W	NW	NNE	ENE	SW	SW	SSE	SSE			306(NW)
May 12	8.6	7.2	4.9	10.8	12.4	11.3	10.8	14.0	13.0	16.1	14.5	13.7	10.2	7.4	8.1	8.0	4.3	6.1	9.0	9.7	6.9	3.3	5.2	13.0	3.3	16.1	9.5
	ESE	ESE	E	E	ESE	E	E	E	ENE	ENE	E	ESE	SE	S	SW	WSW	SW	WSW	SSW	SW	SSW	S	SSE	SSE			128(SE)
May 13	11.3	11.3	14.3	15.7	16.1	12.9	14.9	14.7	16.8	15.2	16.1	16.3	18.5	19.6	14.9	12.4	10.3	11.4	17.4	15.0	11.0	10.2	12.6	13.5	10.2	19.6	14.3
	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	SW	SW	SW			240(WSW)
May 14	16.9	15.8	16.0	13.2	10.5	13.9	16.0	16.8	17.4	16.3	16.6	16.0	22.1	23.2	18.8	17.2	15.6	15.5	9.9	13.4	10.0	2.7	3.3	3.2	2.7	23.2	14.2
	SW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	NW	NNW	NNE	S	SW	S			236(SW)
May 15	7.5	4.5	1.4	3.8	4.7	2.6	2.1	2.0	4.0	5.6	3.1	2.9	2.1	2.9	6.8	11.5	8.2	10.1	7.6	7.9	3.1	3.6	2.2	2.0	1.4	11.5	**4.7**
	S	SW	W	SSW	SW	SSW	SSE	WSW	WNW	WNW	NW	NE	NE	E	SSW	SSW	SE	NE	N	W	ESE	SE	S	ENE			212(SSW)
May 16	7.0	4.9	4.6	8.5	4.3	6.1	8.9	16.3	12.7	11.0	10.4	5.9	2.9	10.0	9.6	10.4	9.0	15.8	17.2	16.0	17.2	16.5	17.3	19.7	2.9	19.7	10.9
	E	SE	ENE	ESE	ESE	E	ENE	E	ENE	ENE	ENE	ENE	NNW	N	NNW	NNW	NE	NE	N	N	N	N	N	N			34(NE)
May 17	18.6	17.8	15.9	15.6	16.7	18.5	18.5	18.7	20.2	15.4	20.8	21.3	21.0	16.9	14.4	16.5	17.9	15.8	13.6	14.5	8.5	7.0	3.3	1.0	1.0	21.3	15.4
	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NE	NNE	NNW	N			350(N)
May 18	5.3	2.3	2.2	1.6	2.9	4.2	4.4	7.3	7.6	8.6	13.0	17.1	19.3	20.2	19.9	22.6	27.1	25.9	21.0	15.8	6.3	13.0	11.1	9.7	1.6	27.1	12.0
	SW	SSW	SSW	SSE	SW	SW	SSW	WSW	W	NW	NW	NNW	N	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW			340(NNW)
May 19	10.2	11.6	11.9	11.8	12.7	11.1	10.9	12.1	12.0	11.9	11.5	12.8	11.6	11.7	11.7	14.9	15.0	15.9	14.1	9.6	6.6	8.4	7.1	4.8	4.8	15.9	11.3
	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	N			337(NNW)
May 20	2.0	**0.2**	0.9	1.2	2.7	5.5	2.6	1.5	4.2	2.3	5.6	4.5	3.3	1.2	0.9	2.1	3.7	3.1	9.9	17.2	17.2	12.6	13.3	2.4	**0.2**	17.2	5.0
	NE	ENE	SW	NE	ESE	SE	SSE	E	ENE	ENE	E	E	E	SW	NNE	ESE	NE	NE	E	E	E	ESE	SE	SSE			98(E)
May 21	7.1	10.5	10.3	9.5	7.4	7.0	9.7	9.2	8.9	8.0	5.8	9.0	7.8	7.7	13.6	15.1	16.1	5.1	6.4	12.8	6.9	0.8	0.6	4.4	0.6	16.1	8.3
	E	ESE	E	ESE	ESE	ESE	SE	SE	S	S	SW	SW	WSW	SW	ENE	ENE	E	ENE	NE	NE	NNE	NNW	ENE	NNE			102(E)
May 22	10.0	11.4	7.7	6.3	6.6	7.5	9.7	11.1	12.7	13.7	16.9	14.1	12.1	12.5	17.4	7.2	7.8	10.0	6.8	2.5	0.4	2.6	3.9	3.3	0.4	17.4	8.9
	ENE	E	ENE	ENE	N	N	NE	NE	NNE	NNE	NNE	NE	ENE	N	N	NNE	NW	N	NNE	N	NNE	ESE	ESE	SE			28(NNE)
May 23	5.4	10.7	3.8	0.5	3.1	5.0	3.9	5.9	3.6	2.4	2.7	2.6	3.4	2.2	2.3	6.5	5.1	6.7	17.4	18.5	23.4	19.6	16.9	15.4	0.5	23.4	7.8
	SE	SE	SE	SSE	ESE	ESE	ESE	SSE	SSE	E	NE	E	SE	WNW	ESE	ESE	SE	ESE	ESE	SE	ESE	ESE	ESE	ESE			123(ESE)
May 24	11.4	11.1	12.7	7.7	8.5	8.7	9.0	10.1	9.0	7.2	5.2	4.4	3.2	7.1	6.0	5.9	8.7	9.2	11.2	13.7	12.3	13.4	15.6	14.6	3.2	15.6	9.4
	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	E	ESE	ENE	ENE	ENE	E	E	E	E	SE	ESE	ESE	SE	SE	ESE			112(ESE)
May 25	15.6	18.2	10.3	4.8	7.1	11.3	12.1	10.0	10.5	14.0	10.8	11.4	5.8	3.2	12.3	13.6	18.0	13.9	9.1	6.0	10.2	12.4	11.9	7.7	3.2	18.2	10.8
	ESE	SE	SE	E	ESE	ESE	SE	SSE	SE	SE	ESE	ENE	ENE	NE	NE	NE	NE	NE	ENE	ESE	S	SSE	SSE	SSW			111(ESE)
May 26	5.7	2.9	5.8	5.8	4.3	8.0	11.4	7.8	10.4	9.7	11.4	13.6	14.1	13.9	14.1	17.6	7.3	20.7	22.0	22.4	17.0	16.8	11.7	6.4	2.9	22.4	11.7
	SW	S	SE	SE	SE	SSE	S	SSW	SW	SSW	SW	SW	SW	WSW	WSW	WSW	NW	ENE	E	ESE	ESE	SSE	SSE	SSW			179(S)
May 27	6.1	5.5	4.4	8.7	6.9	8.2	10.4	12.0	13.0	13.1	10.7	10.4	11.5	11.5	13.7	12.9	11.9	12.7	3.1	7.1	8.2	8.5	7.1	14.6	3.1	14.6	9.7
	SSW	S	SSW	SSW	SSE	S	SSW	SSW	SSW	SW	SW	SSW	SW	SSW	SW	WNW	W	W	WNW	ESE	SE	SSE	SSE	SSE			209(SSW)
May 28	4.6	11.1	11.1	9.9	12.7	13.5	17.6	17.2	17.2	17.6	17.4	16.4	12.5	9.2	9.9	10.8	13.2	8.6	2.3	6.1	5.7	**0.2**	2.1	1.3	**0.2**	17.6	10.3
	S	SSW	SSW	S	S	SSW	SSW	SW	SW	SW	SSW	SW	WSW	SW	SW	SW	S	SSE	W	N	NW	ENE	SSE	S			212(SSW)
May 29	1.4	5.6	10.2	14.6	12.0	9.3	9.5	10.7	11.2	13.0	14.1	10.7	12.3	15.7	11.2	14.8	13.2	8.8	7.6	6.7	6.7	8.6	9.2	5.9	1.4	15.7	10.1
	NW	N	N	N	NNW	NNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	NW	W	WSW	SSW	SSW	SSW	SW			320(NW)
May 30	4.6	2.6	3.6	2.4	4.9	5.6	4.2	8.8	10.3	12.9	14.4	17.6	11.9	13.2	16.5	18.3	23.1	24.6	20.5	14.0	5.7	12.8	11.3	11.2	2.4	24.6	11.5
	SW	SSW	W	WSW	WSW	W	WSW	W	W	W	WNW	NW	WNW	NW	W	W	W	W	WNW	W	WNW	NW	WNW	WNW			285(WNW)
May 31	10.2	11.5	10.2	12.7	13.6	12.0	12.5	12.6	13.6	14.5	15.4	17.1	19.8	18.9	18.6	15.9	20.3	18.9	18.0	7.7	2.6	4.7	4.8	2.6	2.6	20.3	12.9
	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NNE	N	W	W	W	W			298(WNW)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

842-B STATION

Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

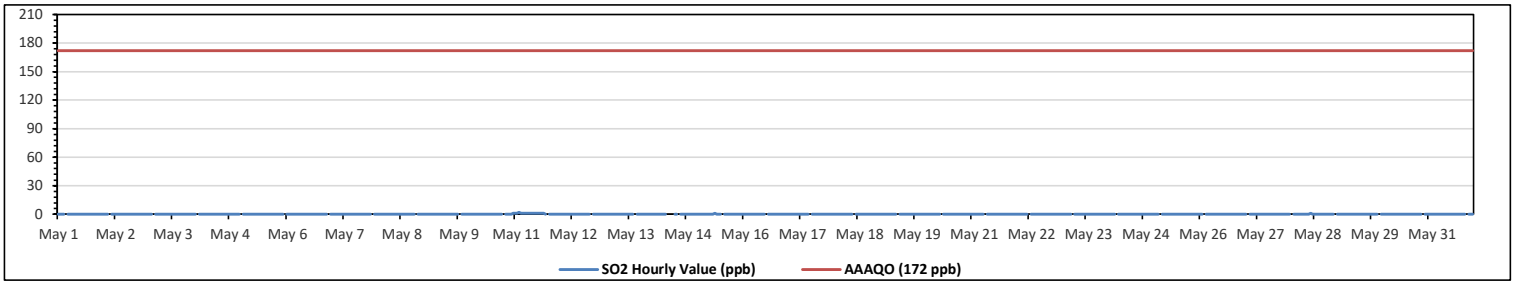
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

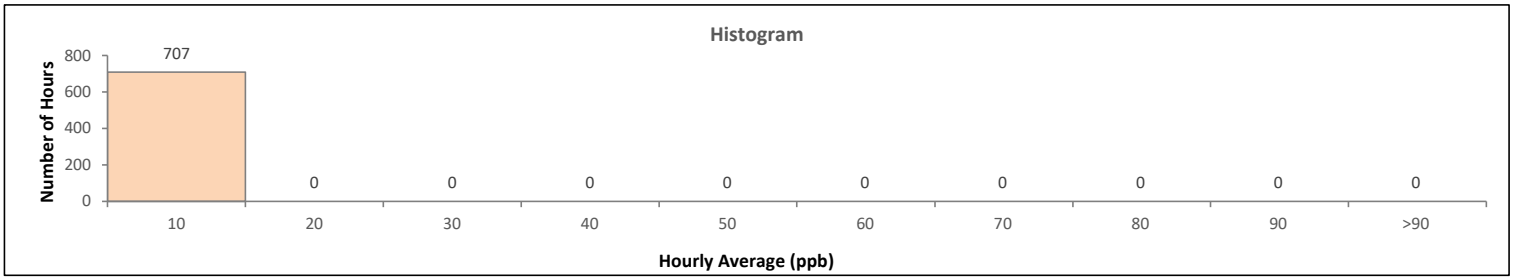
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	2	ppb	on May 11 at hr 2	Hours in Service:	744	
Maximum Daily Value:	0.7	ppb	on May 11	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	37	
Monthly Average:	0.0	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 4	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 5	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0	1	0.0
May 11	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	S	0	0	0	0	0	0	0	2	0.7
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
May 14	0	0	0	0	0	0	0	0	C	C	C	C	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 15	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 16	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 17	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	S	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.0
May 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Diurnal Maximum	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1			
Diurnal Average	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



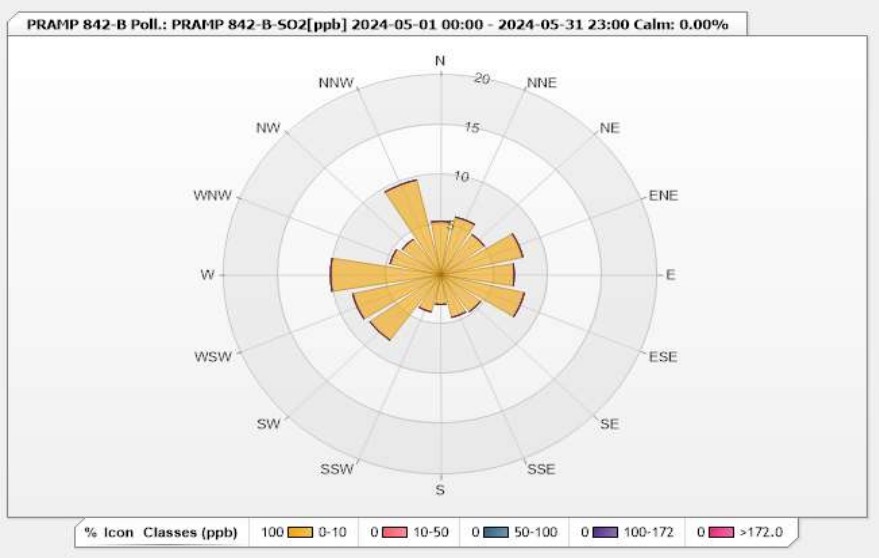


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	5.37	0	0	0	0	5.37
NNE	5.94	0	0	0	0	5.94
NE	4.95	0	0	0	0	4.95
ENE	7.78	0	0	0	0	7.78
E	6.79	0	0	0	0	6.79
ESE	7.92	0	0	0	0	7.92
SE	4.53	0	0	0	0	4.53
SSE	4.38	0	0	0	0	4.38
S	2.97	0	0	0	0	2.97
SSW	3.82	0	0	0	0	3.82
SW	8.06	0	0	0	0	8.06
WSW	8.35	0	0	0	0	8.35
W	10.18	0	0	0	0	10.18
WNW	4.81	0	0	0	0	4.81
NW	4.38	0	0	0	0	4.38
NNW	9.76	0	0	0	0	9.76
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

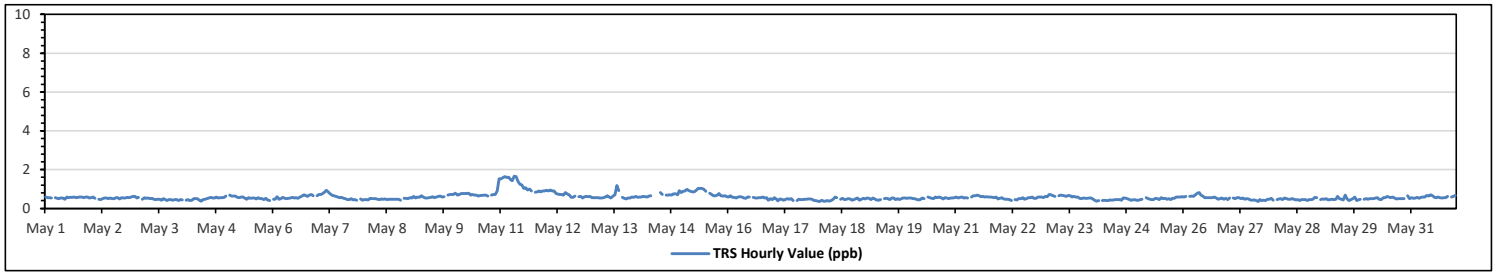
TOTAL REDUCED SULPHUR (TRS) in ppb

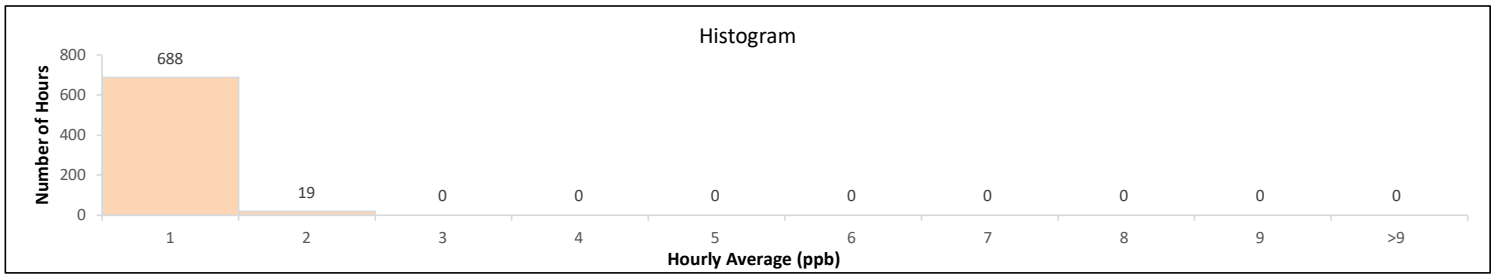
Maximum Hourly Value:	1.66	ppb	on May 11 at hr 7	Hours in Service:	744
Maximum Daily Value:	1.23	ppb	on May 11	Hours of Data:	707
Minimum Hourly Value:	0.36	ppb	on May 18 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.45	ppb	on May 24	Hours of Calibration:	37
Monthly Average:	0.58	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.58	0.56	0.56	0.54	S	0.55	0.52	0.5	0.53	0.53	0.48	0.6	0.56	0.57	0.57	0.56	0.56	0.57	0.59	0.59	0.55	0.59	0.59	0.53	0.48	0.60	0.56
May 2	0.55	0.58	0.52	S	0.48	0.46	0.51	0.54	0.53	0.5	0.53	0.5	0.51	0.55	0.56	0.49	0.56	0.53	0.54	0.57	0.56	0.58	0.62	0.62	0.46	0.62	0.54
May 3	0.54	0.57	S	0.48	0.55	0.52	0.53	0.51	0.52	0.47	0.46	0.47	0.48	0.43	0.5	0.46	0.42	0.45	0.46	0.43	0.46	0.45	0.4	0.45	0.40	0.57	0.48
May 4	0.44	S	0.43	0.45	0.42	0.43	0.5	0.5	0.51	0.43	0.37	0.46	0.47	0.51	0.53	0.57	0.54	0.53	0.58	0.54	0.55	0.56	0.57	0.64	0.37	0.64	0.50
May 5	S	0.68	0.64	0.64	0.64	0.57	0.56	0.58	0.6	0.52	0.48	0.56	0.52	0.54	0.53	0.49	0.55	0.51	0.5	0.45	0.52	0.44	0.42	S	0.42	0.68	0.54
May 6	0.47	0.47	0.61	0.48	0.5	0.57	0.52	0.5	0.52	0.53	0.57	0.53	0.55	0.52	0.58	0.63	0.7	0.67	0.62	0.69	0.73	0.66	S	0.66	0.47	0.73	0.58
May 7	0.72	0.71	0.76	0.84	0.93	0.86	0.75	0.67	0.65	0.62	0.58	0.56	0.57	0.52	0.5	0.46	0.46	0.5	0.44	0.46	0.43	S	0.49	0.43	0.43	0.93	0.60
May 8	0.46	0.46	0.44	0.52	0.5	0.5	0.51	0.48	0.45	0.49	0.47	0.49	0.45	0.48	0.47	0.48	0.48	0.48	0.48	0.43	S	0.52	0.52	0.51	0.43	0.52	0.48
May 9	0.55	0.53	0.62	0.53	0.59	0.57	0.65	0.59	0.53	0.53	0.56	0.57	0.61	0.56	0.59	0.62	0.63	0.6	0.61	S	0.68	0.73	0.73	0.73	0.53	0.73	0.60
May 10	0.79	0.69	0.71	0.77	0.78	0.78	0.78	0.79	0.69	0.73	0.68	0.69	0.63	0.67	0.67	0.68	0.69	0.63	S	0.69	0.71	0.73	0.91	1.53	0.63	1.53	0.76
May 11	1.53	1.58	1.64	1.59	1.6	1.49	1.43	**1.66**	1.64	1.4	1.25	1.22	1.04	1.06	0.96	0.99	0.9	S	0.83	0.86	0.89	0.86	0.91	0.9	0.83	**1.66**	**1.23**
May 12	0.93	0.91	0.96	0.9	0.89	0.76	0.74	0.71	0.72	0.68	0.81	0.74	0.69	0.57	0.57	0.63	S	0.61	0.62	0.54	0.61	0.62	0.61	0.62	0.54	0.96	0.71
May 13	0.56	0.56	0.55	0.56	0.54	0.54	0.55	0.59	0.65	0.58	0.53	0.63	0.7	1.18	0.92	S	0.57	0.52	0.49	0.54	0.54	0.58	0.57	0.62	0.49	1.18	0.61
May 14	0.57	0.6	0.6	0.62	0.61	0.6	0.64	0.65	C	C	C	C	0.81	0.72	S	0.69	0.68	0.7	0.68	0.75	0.75	0.7	0.92	0.82	0.57	0.92	0.69
May 15	0.88	0.9	0.98	0.92	0.88	0.86	0.87	0.95	1.03	1.04	1.04	0.98	0.88	S	0.79	0.73	0.66	0.65	0.68	0.76	0.65	0.64	0.65	0.61	0.61	1.04	0.83
May 16	0.6	0.65	0.57	0.57	0.53	0.6	0.61	0.58	0.53	0.52	0.58	0.59	S	0.57	0.54	0.54	0.55	0.55	0.6	0.53	0.55	0.43	0.5	0.46	0.43	0.65	0.55
May 17	0.55	0.49	0.39	0.49	0.48	0.43	0.47	0.51	0.48	0.5	0.4	S	0.42	0.47	0.46	0.46	0.47	0.47	0.49	0.49	0.47	0.4	0.41	0.38	0.38	0.55	0.46
May 18	0.36	0.43	0.38	0.38	0.4	0.37	0.41	0.47	0.58	0.56	S	0.47	0.52	0.45	0.48	0.5	0.49	0.43	0.45	0.5	0.53	0.43	0.47	0.52	0.36	0.58	0.46
May 19	0.49	0.53	0.52	0.46	0.53	0.49	0.44	0.43	0.45	S	0.5	0.52	0.51	0.46	0.54	0.54	0.46	0.51	0.46	0.51	0.54	0.53	0.52	0.54	0.43	0.54	0.50
May 20	0.54	0.51	0.5	0.47	0.44	0.45	0.54	0.5	S	0.6	0.56	0.52	0.51	0.59	0.56	0.6	0.56	0.49	0.55	0.53	0.5	0.54	0.53	0.55	0.44	0.60	0.53
May 21	0.58	0.54	0.57	0.59	0.54	0.55	0.54	S	0.59	0.65	0.65	0.68	0.66	0.61	0.62	0.59	0.61	0.59	0.6	0.57	0.56	0.58	0.49	0.52	0.49	0.68	0.59
May 22	0.55	0.49	0.48	0.48	0.45	0.42	S	0.45	0.44	0.5	0.5	0.56	0.48	0.51	0.56	0.56	0.6	0.52	0.52	0.59	0.59	0.59	0.56	0.62	0.42	0.62	0.52
May 23	0.61	0.71	0.7	0.66	0.62	S	0.66	0.69	0.67	0.66	0.62	0.67	0.65	0.6	0.62	0.58	0.58	0.52	0.51	0.54	0.52	0.52	0.53	0.53	0.51	0.71	0.61
May 24	0.49	0.43	0.38	0.41	S	0.4	0.43	0.41	0.41	0.44	0.43	0.44	0.46	0.45	0.45	0.43	0.54	0.53	0.51	0.48	0.43	0.44	0.45	0.43	0.38	0.54	0.45
May 25	0.43	0.45	0.47	S	0.56	0.5	0.48	0.45	0.46	0.52	0.51	0.46	0.55	0.51	0.52	0.48	0.51	0.46	0.52	0.52	0.58	0.59	0.58	0.61	0.43	0.61	0.51
May 26	0.58	0.62	S	0.62	0.64	0.62	0.7	0.79	0.81	0.68	0.63	0.55	0.55	0.55	0.55	0.55	0.58	0.53	0.48	0.51	0.53	0.47	0.52	0.45	0.45	0.81	0.59
May 27	0.54	S	0.54	0.51	0.56	0.56	0.5	0.53	0.47	0.5	0.49	0.44	0.43	0.44	0.42	0.36	0.46	0.41	0.43	0.42	0.48	0.48	0.52	0.43	0.36	0.56	0.47
May 28	S	0.45	0.49	0.51	0.46	0.53	0.51	0.48	0.48	0.5	0.47	0.44	0.46	0.4	0.45	0.46	0.45	0.41	0.45	0.45	0.48	0.57	0.55	S	0.40	0.57	0.48
May 29	0.45	0.49	0.47	0.51	0.44	0.45	0.47	0.46	0.48	0.62	0.5	0.47	0.44	0.69	0.49	0.42	0.45	0.5	0.6	0.42	0.44	0.47	S	0.47	0.42	0.69	0.49
May 30	0.51	0.47	0.5	0.5	0.51	0.54	0.55	0.47	0.45	0.55	0.55	0.62	0.6	0.55	0.58	0.53	0.49	0.51	0.5	0.51	0.5	S	0.65	0.51	0.45	0.65	0.53
May 31	0.56	0.52	0.54	0.57	0.52	0.57	0.58	0.58	0.67	0.63	0.7	0.65	0.57	0.56	0.59	0.56	0.54	0.55	0.55	0.62	S	0.6	0.62	0.67	0.52	0.70	0.59
Diurnal Maximum	1.53	1.58	1.64	1.59	1.60	1.49	1.43	1.66	1.64	1.40	1.25	1.22	1.04	1.18	0.96	0.99	0.90	0.70	0.83	0.86	0.89	0.86	0.92	1.53			
Diurnal Average	0.60	0.61	0.60	0.61	0.61	0.58	0.60	0.60	0.60	0.60	0.58	0.59	0.58	0.58	0.57	0.56	0.56	0.53	0.54	0.55	0.56	0.56	0.58	0.60			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



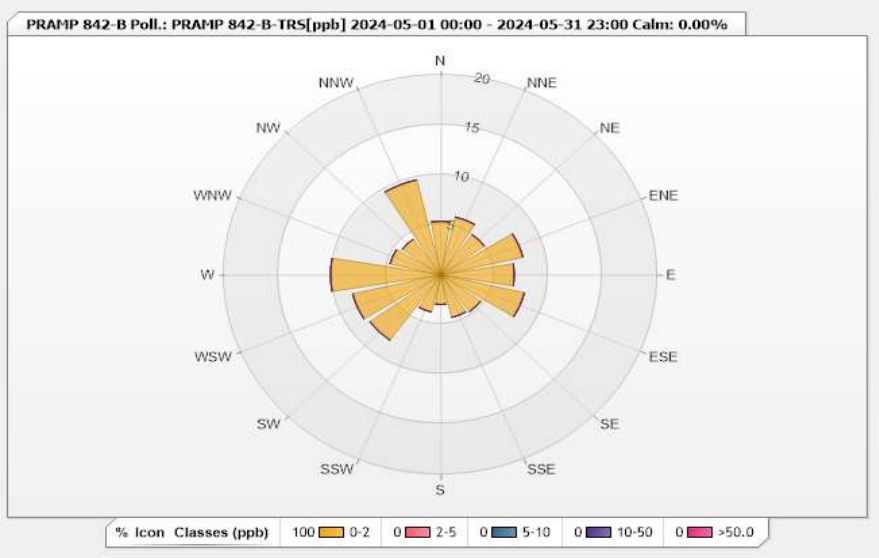


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	5.37	0	0	0	0	5.37
NNE	5.94	0	0	0	0	5.94
NE	4.95	0	0	0	0	4.95
ENE	7.78	0	0	0	0	7.78
E	6.79	0	0	0	0	6.79
ESE	7.92	0	0	0	0	7.92
SE	4.53	0	0	0	0	4.53
SSE	4.38	0	0	0	0	4.38
S	2.97	0	0	0	0	2.97
SSW	3.82	0	0	0	0	3.82
SW	8.06	0	0	0	0	8.06
WSW	8.35	0	0	0	0	8.35
W	10.18	0	0	0	0	10.18
WNW	4.81	0	0	0	0	4.81
NW	4.38	0	0	0	0	4.38
NNW	9.76	0	0	0	0	9.76
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

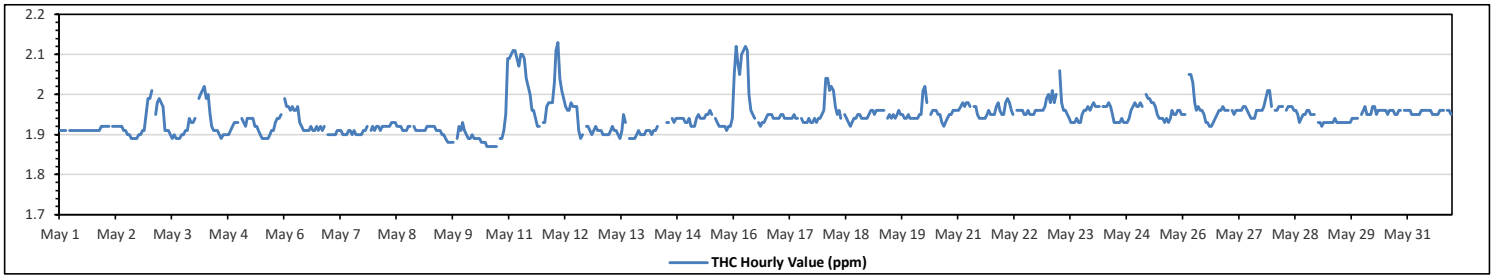
TOTAL HYDROCARBONS (THC) in ppm

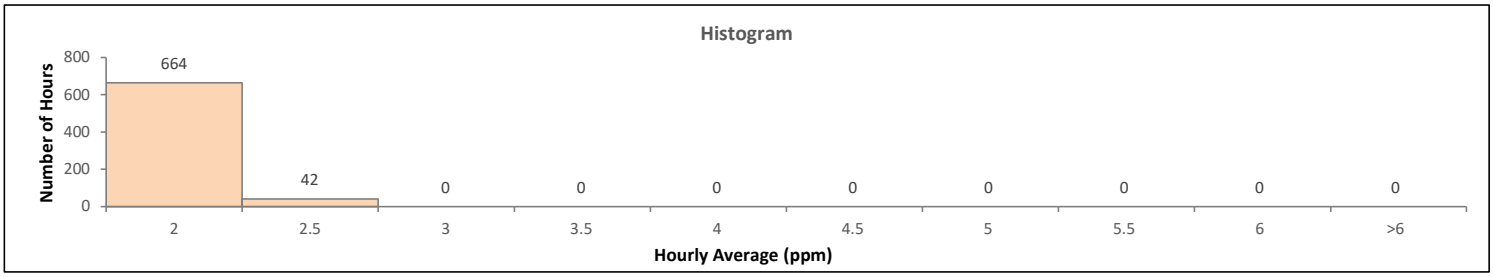
Maximum Hourly Value:	2.13	ppm	on May 12 at hr 2	Hours in Service:	744
Maximum Daily Value:	2.02	ppm	on May 11	Hours of Data:	706
Minimum Hourly Value:	1.87	ppm	on May 10 at hr 12	Hours of Missing Data:	1
Minimum Daily Value:	1.90	ppm	on May 10	Hours of Calibration:	37
Monthly Average:	1.94	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.91	1.91	1.91	1.91	S	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.91	1.92	1.91
May 2	1.92	1.92	1.92	S	1.92	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.90	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.91	1.91	1.95	1.99	1.89	1.99	1.91
May 3	1.99	2.01	S	1.95	1.98	1.99	1.98	1.97	1.91	1.91	1.91	1.90	1.89	1.90	1.89	1.89	1.89	1.90	1.90	1.91	1.91	1.94	1.93	1.93	1.89	2.01	1.93
May 4	1.94	S	1.99	2.00	2.01	2.02	1.99	2.00	1.95	1.92	1.91	1.91	1.91	1.90	1.89	1.90	1.90	1.90	1.90	1.91	1.92	1.93	1.93	1.93	1.89	2.02	1.94
May 5	S	1.94	1.93	1.92	1.94	1.94	1.94	1.94	1.92	1.92	1.91	1.90	1.89	1.89	1.89	1.89	1.90	1.91	1.91	1.93	1.94	1.94	1.95	S	1.89	1.95	1.92
May 6	1.99	1.97	1.97	1.96	1.97	1.96	1.96	1.97	1.93	1.92	1.91	1.91	1.91	1.91	1.92	1.91	1.91	1.92	1.91	1.92	1.91	1.92	S	1.90	1.90	1.99	1.93
May 7	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.91	1.90	1.91	1.90	1.90	1.90	1.90	1.91	1.91	1.92	S	1.91	1.92	1.90	1.92	1.91
May 8	1.91	1.92	1.92	1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.92	1.92	S	1.92	1.91	1.91	1.91	1.93	1.92
May 9	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.90	1.90	1.89	1.88	1.88	1.88	1.88	S	1.89	1.92	1.91	1.93	1.88	1.93	1.91
May 10	1.91	1.90	1.89	1.89	1.90	1.89	1.89	1.89	1.89	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.87	1.87	S	1.89	1.89	1.91	1.95	2.09	1.87	2.09	1.90
May 11	2.09	2.10	2.11	2.11	2.09	2.07	2.10	2.10	2.09	2.04	2.02	2.00	1.96	1.96	1.94	1.92	1.92	S	1.93	1.93	1.97	1.98	1.98	1.98	1.92	2.11	**2.02**
May 12	2.03	2.11	**2.13**	2.04	2.01	1.99	1.97	1.96	1.96	1.98	1.97	1.97	1.97	1.91	1.89	1.90	S	1.92	1.92	1.91	1.90	1.91	1.92	1.91	1.89	**2.13**	1.96
May 13	1.91	1.91	1.90	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.90	1.89	1.91	1.95	1.93	S	1.89	1.89	1.89	1.89	1.90	1.91	1.90	1.90	1.89	1.95	1.91
May 14	1.90	1.91	1.91	1.91	1.90	1.91	1.91	1.92	C	C	C	C	1.93	1.93	S	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.90	1.94	1.92
May 15	1.94	1.92	1.92	1.92	1.94	1.95	1.94	1.94	1.94	1.95	1.95	1.96	1.95	S	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.92	1.92	1.94	1.91	1.96	1.93
May 16	2.05	2.12	2.08	2.05	2.10	2.11	2.12	2.11	2.00	1.96	1.95	1.94	S	1.93	1.92	1.93	1.93	1.94	1.95	1.95	1.95	1.94	1.94	1.94	1.92	2.12	2.00
May 17	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	S	1.94	1.93	1.93	1.93	1.94	1.93	1.93	1.94	1.93	1.94	1.94	1.95	1.93	1.95	1.94
May 18	1.96	2.04	2.04	2.01	2.02	2.01	1.97	1.95	1.96	1.94	S	1.95	1.94	1.93	1.92	1.93	1.94	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.92	2.04	1.96
May 19	1.95	1.96	1.96	1.95	1.96	1.96	1.96	1.96	1.96	S	1.94	1.95	1.94	1.95	1.94	1.95	1.96	1.95	1.95	1.94	1.94	1.95	1.94	1.94	1.94	1.96	1.95
May 20	1.94	1.94	1.94	1.95	1.95	2.01	2.02	1.98	S	1.95	1.96	1.96	1.96	1.95	1.95	1.93	1.92	1.93	1.94	1.95	1.95	1.96	1.96	1.96	1.92	2.02	1.95
May 21	1.96	1.97	1.98	1.97	1.98	1.98	1.97	S	1.97	1.97	1.95	1.94	1.94	1.94	1.94	1.95	1.96	1.95	1.95	1.95	1.97	1.98	1.96	1.95	1.94	1.98	1.96
May 22	1.95	1.98	1.99	1.98	1.96	1.95	S	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.95	1.99	1.96
May 23	2.00	1.98	2.01	1.98	2.00	S	2.06	1.98	1.96	1.96	1.95	1.94	1.93	1.93	1.93	1.94	1.93	1.93	1.95	1.96	1.96	1.97	1.96	1.97	1.93	2.06	1.96
May 24	1.98	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.97	1.95	1.93	1.93	1.93	1.93	1.94	1.93	1.93	1.93	1.94	1.96	1.97	1.98	1.97	1.93	1.98	1.96
May 25	1.97	1.98	1.97	S	2.00	1.99	1.99	1.98	1.98	1.97	1.95	1.94	1.94	1.94	1.93	1.94	1.93	1.94	1.96	1.95	1.95	1.96	1.96	1.95	1.93	2.00	1.96
May 26	1.95	1.95	S	2.05	2.05	2.03	1.98	1.96	1.97	1.96	1.96	1.95	1.93	1.93	1.92	1.92	1.93	1.94	1.95	1.96	1.96	1.97	1.96	1.96	1.92	2.05	1.96
May 27	1.96	S	1.96	1.95	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.96	1.96	1.96	1.96	1.97	1.99	2.01	2.01	1.97	1.94	2.01	1.96
May 28	S	1.96	1.96	1.97	1.97	1.97	NRM	1.96	1.97	1.97	1.97	1.96	1.96	1.95	1.93	1.94	1.95	1.95	1.96	1.96	1.95	1.95	1.95	S	1.93	1.97	1.96
May 29	1.93	1.93	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	S	1.95	1.92	1.95	1.93
May 30	1.96	1.97	1.95	1.95	1.95	1.97	1.97	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.96	1.96	1.96	1.95	1.95	1.96	1.96	S	1.96	1.96	1.95	1.97	1.96
May 31	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	S	1.96	1.96	1.95	1.95	1.96	1.96
Diurnal Maximum	2.09	2.12	2.13	2.11	2.10	2.11	2.12	2.11	2.09	2.04	2.02	2.00	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.99	2.01	2.01	2.09			
Diurnal Average	1.96	1.97	1.96	1.96	1.97	1.96	1.96	1.96	1.95	1.94	1.94	1.93	1.93	1.93	1.92	1.92	1.92	1.93	1.93	1.93	1.94	1.94	1.94	1.95			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



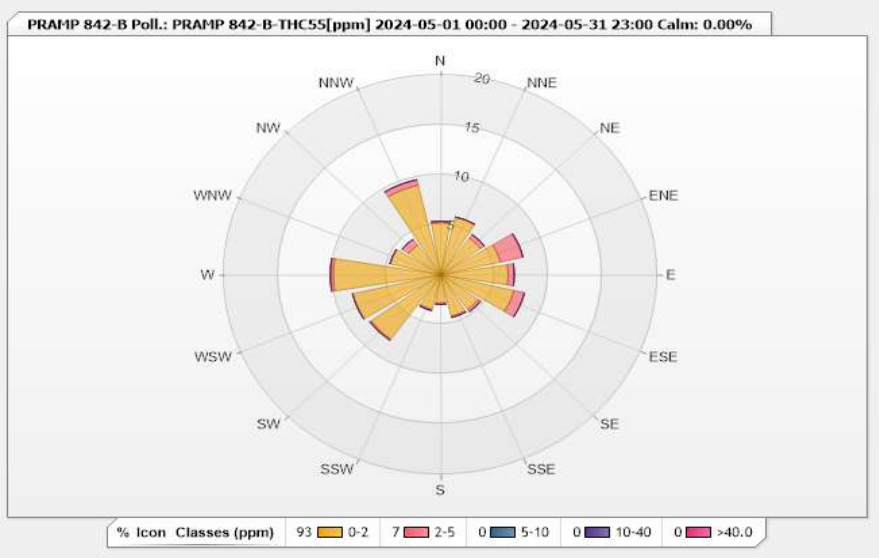


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	5.24	0.14	0	0	0	5.38
NNE	5.95	0	0	0	0	5.95
NE	4.53	0.42	0	0	0	4.95
ENE	5.67	2.12	0	0	0	7.79
E	6.23	0.57	0	0	0	6.8
ESE	6.94	0.99	0	0	0	7.93
SE	4.25	0.28	0	0	0	4.53
SSE	4.25	0.14	0	0	0	4.39
S	2.83	0.14	0	0	0	2.97
SSW	3.54	0.14	0	0	0	3.68
SW	7.93	0.14	0	0	0	8.07
WSW	8.36	0	0	0	0	8.36
W	9.92	0.28	0	0	0	10.2
WNW	4.82	0	0	0	0	4.82
NW	3.68	0.71	0	0	0	4.39
NNW	9.21	0.57	0	0	0	9.78
Summary	93.35	6.64	0	0	0	100



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

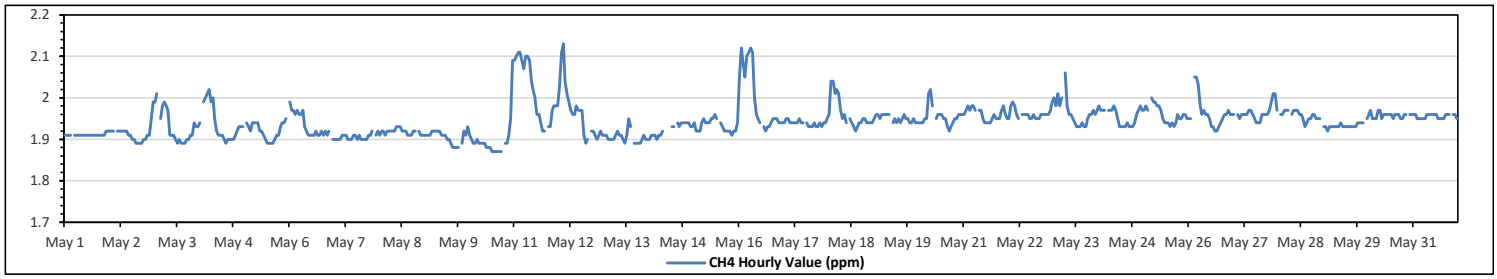
METHANE (CH4) in ppm

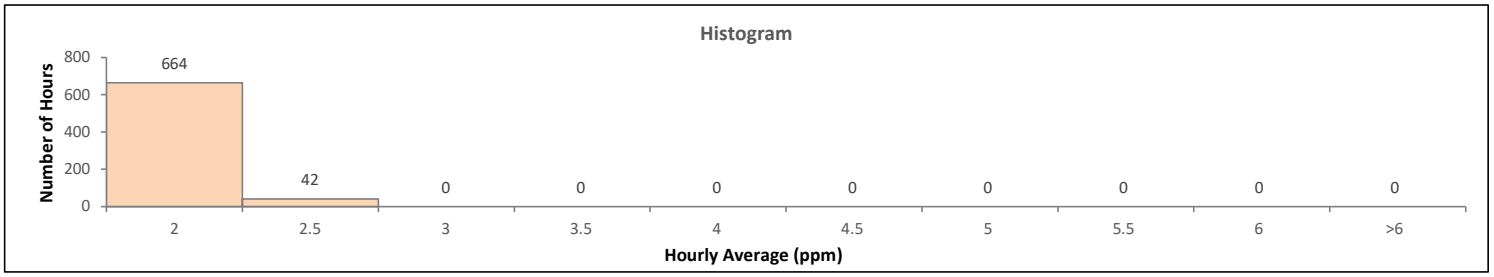
Maximum Hourly Value:	2.13	ppm	on May 12 at hr 2	Hours in Service:	744
Maximum Daily Value:	2.02	ppm	on May 11	Hours of Data:	706
Minimum Hourly Value:	1.87	ppm	on May 10 at hr 12	Hours of Missing Data:	1
Minimum Daily Value:	1.90	ppm	on May 10	Hours of Calibration:	37
Monthly Average:	1.94	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.91	1.91	1.91	1.91	S	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.91	1.92	1.91
May 2	1.92	1.92	1.92	S	1.92	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.90	1.90	1.89	1.89	1.89	1.89	1.90	1.90	1.91	1.91	1.95	1.99	1.89	1.99	1.91
May 3	1.99	2.01	S	1.95	1.98	1.99	1.98	1.97	1.91	1.91	1.91	1.90	1.89	1.90	1.89	1.89	1.89	1.90	1.90	1.91	1.91	1.94	1.93	1.93	1.89	2.01	1.93
May 4	1.94	S	1.99	2.00	2.01	2.02	1.99	2.00	1.95	1.92	1.91	1.91	1.91	1.90	1.89	1.90	1.90	1.90	1.90	1.91	1.92	1.93	1.93	1.93	1.89	2.02	1.94
May 5	S	1.94	1.93	1.92	1.94	1.94	1.94	1.94	1.92	1.92	1.91	1.90	1.89	1.89	1.89	1.89	1.90	1.91	1.91	1.93	1.94	1.94	1.95	S	1.89	1.95	1.92
May 6	1.99	1.97	1.97	1.96	1.97	1.96	1.96	1.97	1.93	1.92	1.91	1.91	1.91	1.91	1.92	1.91	1.91	1.92	1.91	1.92	1.91	1.92	S	1.90	1.90	1.99	1.93
May 7	1.90	1.90	1.90	1.90	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.91	1.90	1.91	1.90	1.90	1.90	1.90	1.91	1.91	1.92	S	1.91	1.92	1.90	1.92	1.91
May 8	1.91	1.92	1.92	1.91	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.92	1.92	S	1.92	1.91	1.91	1.91	1.93	1.92
May 9	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.90	1.90	1.89	1.88	1.88	1.88	1.88	S	1.89	1.92	1.91	1.93	1.88	1.93	1.91
May 10	1.91	1.90	1.89	1.89	1.90	1.89	1.89	1.89	1.89	1.88	1.88	1.88	1.87	1.87	1.87	1.87	1.87	1.87	S	1.89	1.89	1.91	1.95	2.09	1.87	2.09	1.90
May 11	2.09	2.10	2.11	2.11	2.09	2.07	2.10	2.10	2.09	2.04	2.02	2.00	1.96	1.96	1.94	1.92	1.92	S	1.93	1.93	1.97	1.98	1.98	1.98	1.92	2.11	**2.02**
May 12	2.03	2.11	**2.13**	2.04	2.01	1.99	1.97	1.96	1.96	1.98	1.97	1.97	1.97	1.91	1.89	1.90	S	1.92	1.92	1.91	1.90	1.91	1.92	1.91	1.89	**2.13**	1.96
May 13	1.91	1.91	1.90	1.90	1.90	1.90	1.91	1.92	1.91	1.91	1.90	1.89	1.91	1.95	1.93	S	1.89	1.89	1.89	1.89	1.90	1.91	1.90	1.90	1.89	1.95	1.91
May 14	1.90	1.91	1.91	1.91	1.90	1.91	1.91	1.92	C	C	C	C	1.93	1.93	S	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.90	1.94	1.92
May 15	1.94	1.92	1.92	1.92	1.94	1.95	1.94	1.94	1.94	1.95	1.95	1.96	1.95	S	1.94	1.93	1.92	1.92	1.92	1.92	1.91	1.92	1.92	1.94	1.91	1.96	1.93
May 16	2.05	2.12	2.08	2.05	2.10	2.11	2.12	2.11	2.00	1.96	1.95	1.94	S	1.93	1.92	1.93	1.93	1.94	1.95	1.95	1.95	1.94	1.94	1.94	1.92	2.12	2.00
May 17	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.95	1.94	1.94	S	1.94	1.93	1.93	1.93	1.94	1.93	1.93	1.94	1.93	1.94	1.94	1.95	1.93	1.95	1.94
May 18	1.96	2.04	2.04	2.01	2.02	2.01	1.97	1.95	1.96	1.94	S	1.95	1.94	1.93	1.92	1.93	1.94	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.92	2.04	1.96
May 19	1.95	1.96	1.96	1.95	1.96	1.96	1.96	1.96	1.96	S	1.94	1.95	1.94	1.95	1.94	1.95	1.96	1.95	1.95	1.94	1.94	1.95	1.94	1.94	1.94	1.96	1.95
May 20	1.94	1.94	1.94	1.95	1.95	2.01	2.02	1.98	S	1.95	1.96	1.96	1.96	1.95	1.95	1.93	1.92	1.93	1.94	1.95	1.95	1.96	1.96	1.96	1.92	2.02	1.95
May 21	1.96	1.97	1.98	1.97	1.98	1.98	1.97	S	1.97	1.97	1.95	1.94	1.94	1.94	1.94	1.95	1.96	1.95	1.95	1.95	1.97	1.98	1.96	1.95	1.94	1.98	1.96
May 22	1.95	1.98	1.99	1.98	1.96	1.95	S	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.95	1.99	1.96
May 23	2.00	1.98	2.01	1.98	2.00	S	2.06	1.98	1.96	1.96	1.95	1.94	1.93	1.93	1.93	1.94	1.93	1.93	1.95	1.96	1.96	1.97	1.96	1.97	1.93	2.06	1.96
May 24	1.98	1.97	1.97	1.97	S	1.97	1.97	1.97	1.98	1.97	1.95	1.93	1.93	1.93	1.93	1.94	1.93	1.93	1.93	1.94	1.96	1.97	1.98	1.97	1.93	1.98	1.96
May 25	1.97	1.98	1.97	S	2.00	1.99	1.99	1.98	1.98	1.97	1.95	1.94	1.94	1.94	1.93	1.94	1.93	1.94	1.96	1.95	1.95	1.96	1.96	1.95	1.93	2.00	1.96
May 26	1.95	1.95	S	2.05	2.05	2.03	1.98	1.96	1.97	1.96	1.96	1.95	1.93	1.93	1.92	1.92	1.93	1.94	1.95	1.96	1.96	1.97	1.96	1.96	1.92	2.05	1.96
May 27	1.96	S	1.96	1.95	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.95	1.94	1.94	1.94	1.96	1.96	1.96	1.96	1.97	1.99	2.01	2.01	1.97	1.94	2.01	1.96
May 28	S	1.96	1.96	1.97	1.97	1.97	NRM	1.96	1.97	1.97	1.97	1.96	1.96	1.95	1.93	1.94	1.95	1.95	1.96	1.96	1.95	1.95	1.95	S	1.93	1.97	1.96
May 29	1.93	1.93	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.94	S	1.95	1.92	1.95	1.93
May 30	1.96	1.97	1.95	1.95	1.95	1.97	1.97	1.95	1.96	1.96	1.96	1.96	1.96	1.95	1.96	1.96	1.96	1.95	1.95	1.96	1.96	S	1.96	1.96	1.95	1.97	1.96
May 31	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	S	1.96	1.96	1.95	1.95	1.96	1.96
Diurnal Maximum	2.09	2.12	2.13	2.11	2.10	2.11	2.12	2.11	2.09	2.04	2.02	2.00	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.99	2.01	2.01	2.09			
Diurnal Average	1.96	1.97	1.96	1.96	1.97	1.96	1.96	1.96	1.95	1.94	1.94	1.93	1.93	1.93	1.92	1.92	1.92	1.93	1.93	1.93	1.94	1.94	1.94	1.95			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



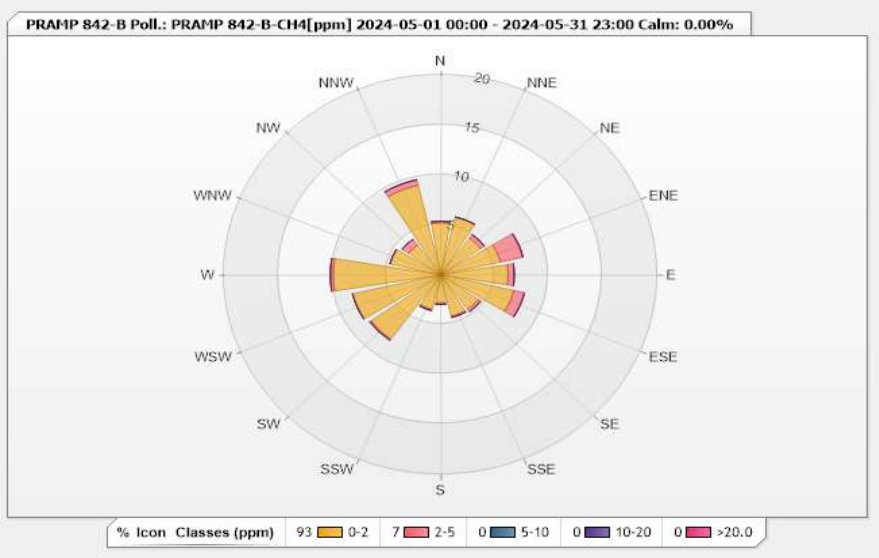


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	5.24	0.14	0	0	0	5.38
NNE	5.95	0	0	0	0	5.95
NE	4.53	0.42	0	0	0	4.95
ENE	5.67	2.12	0	0	0	7.79
E	6.23	0.57	0	0	0	6.8
ESE	6.94	0.99	0	0	0	7.93
SE	4.25	0.28	0	0	0	4.53
SSE	4.25	0.14	0	0	0	4.39
S	2.83	0.14	0	0	0	2.97
SSW	3.54	0.14	0	0	0	3.68
SW	7.93	0.14	0	0	0	8.07
WSW	8.36	0	0	0	0	8.36
W	9.92	0.28	0	0	0	10.2
WNW	4.82	0	0	0	0	4.82
NW	3.68	0.71	0	0	0	4.39
NNW	9.21	0.57	0	0	0	9.78
Summary	93.35	6.64	0	0	0	100



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

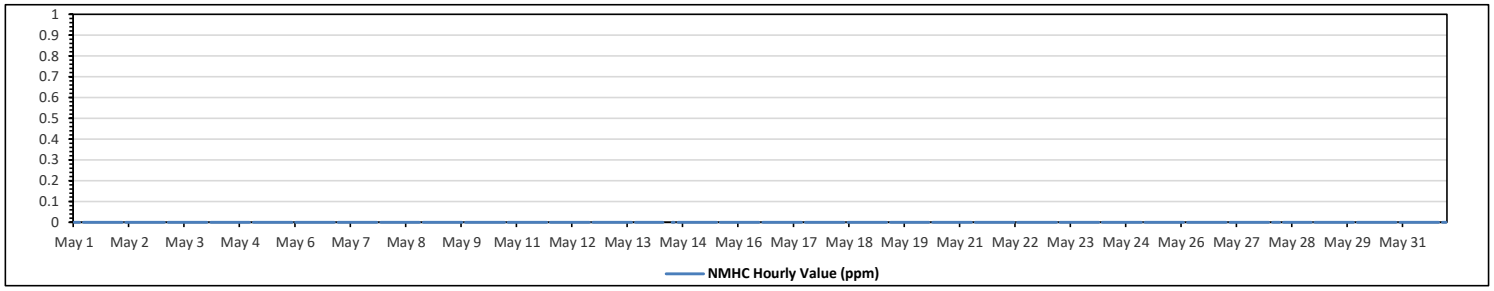
NON-METHANE HYDROCARBONS (NMHC) in ppm

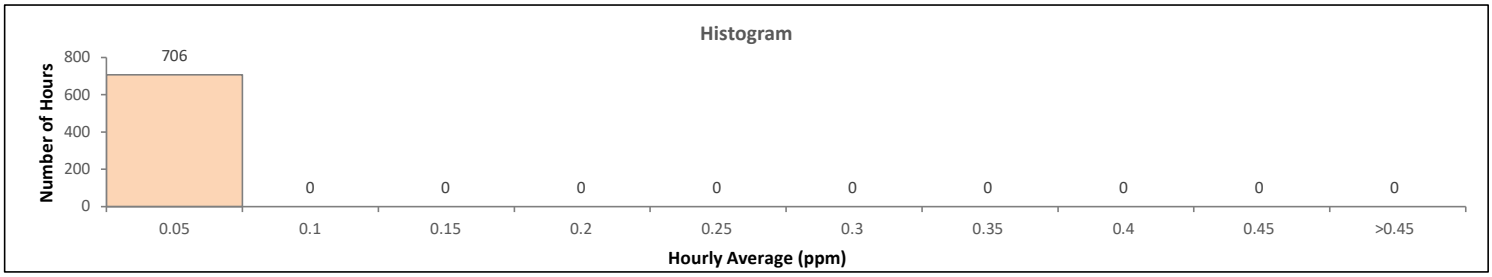
Maximum Hourly Value:	0.00 ppm	on May 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.00 ppm	on May 1	Hours of Data:	706	
Minimum Hourly Value:	0.00 ppm	on May 1 at hr 0	Hours of Missing Data:	1	
Minimum Daily Value:	0.00 ppm	on May 1	Hours of Calibration:	37	
Monthly Average:	0.00 ppm		Operational Uptime:	99.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 2	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 3	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 4	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 5	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
May 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
May 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 22	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 23	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 24	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 25	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 26	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 27	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 28	S	0.00	0.00	0.00	0.00	0.00	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
May 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



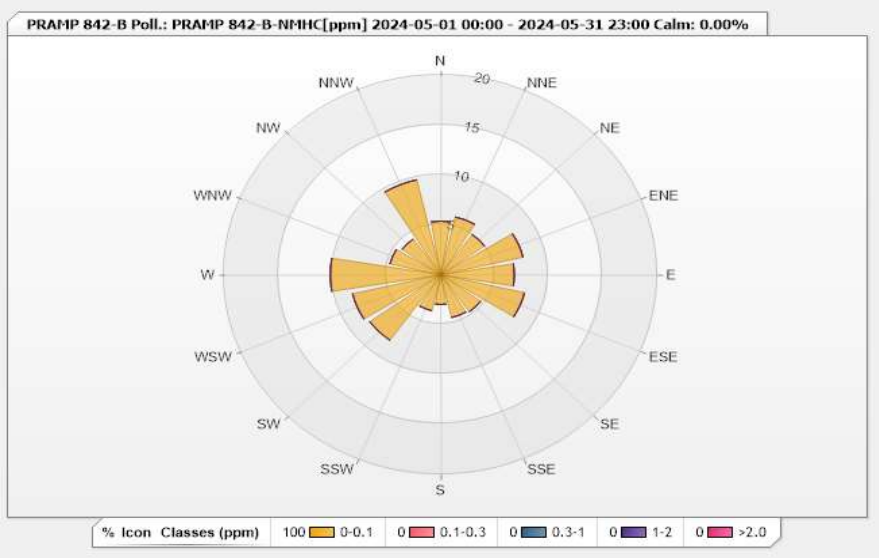


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	5.38	0	0	0	0	5.38
NNE	5.95	0	0	0	0	5.95
NE	4.96	0	0	0	0	4.96
ENE	7.79	0	0	0	0	7.79
E	6.8	0	0	0	0	6.8
ESE	7.93	0	0	0	0	7.93
SE	4.53	0	0	0	0	4.53
SSE	4.39	0	0	0	0	4.39
S	2.97	0	0	0	0	2.97
SSW	3.68	0	0	0	0	3.68
SW	8.07	0	0	0	0	8.07
WSW	8.36	0	0	0	0	8.36
W	10.2	0	0	0	0	10.2
WNW	4.82	0	0	0	0	4.82
NW	4.39	0	0	0	0	4.39
NNW	9.77	0	0	0	0	9.77
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

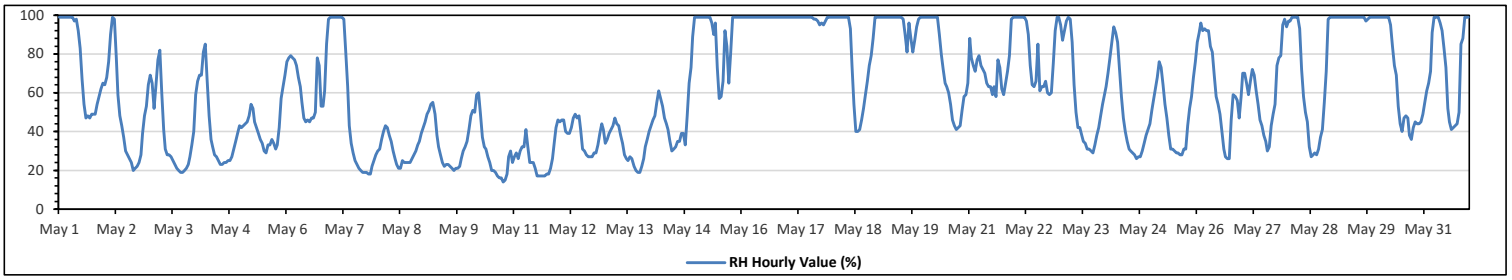
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on May 1 at hr 0	Hours in Service:	744	
Maximum Daily Value:	99.0	%	on May 16	Hours of Data:	744	
Minimum Hourly Value:	14	%	on May 10 at hr 18	Hours of Missing Data:	0	
Minimum Daily Value:	26.4	%	on May 11	Hours of Calibration:	0	
Monthly Average:	60.3	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	97	98	92	83	67	54	47	48	47	49	49	49	54	58	62	65	47	**99**	75.5
May 2	64	68	76	90	**99**	98	78	59	48	43	37	30	28	26	24	20	21	22	24	28	39	48	53	64	20	**99**	49.5
May 3	69	65	52	64	77	82	60	41	31	28	28	27	25	23	21	20	19	19	20	21	23	27	33	40	19	82	38.1
May 4	59	66	69	69	81	85	66	48	36	32	28	27	25	23	23	24	24	25	25	27	31	35	39	43	23	85	42.1
May 5	42	43	44	45	48	54	52	45	42	39	36	34	30	29	33	33	36	34	31	33	42	57	63	69	29	69	42.3
May 6	76	78	79	78	77	74	68	63	55	47	45	46	45	47	47	50	78	74	53	53	61	85	98	**99**	45	**99**	65.7
May 7	**99**	**99**	**99**	**99**	**99**	**99**	98	81	63	43	34	29	25	23	21	20	19	19	19	18	18	22	25	28	18	**99**	50.0
May 8	30	31	36	40	43	42	38	35	30	26	23	21	21	25	24	24	24	24	26	28	30	33	35	39	21	43	30.3
May 9	42	45	49	51	54	55	49	38	32	28	24	22	23	23	22	21	20	21	21	22	26	30	32	35	20	55	32.7
May 10	41	48	51	50	59	60	49	37	32	31	27	24	20	20	19	17	16	16	**14**	15	18	27	30	24	**14**	60	31.0
May 11	27	29	26	30	32	32	41	32	24	24	24	21	17	17	17	17	17	18	18	21	26	35	42	46	17	46	**26.4**
May 12	45	46	46	40	39	39	42	47	49	47	48	41	31	30	28	27	27	27	29	29	33	39	44	41	27	49	38.1
May 13	34	36	39	41	43	47	44	43	38	34	28	26	25	27	26	22	20	19	19	22	26	32	36	40	19	47	32.0
May 14	43	46	48	55	61	57	53	47	44	41	35	30	31	32	35	35	39	39	33	48	65	73	89	**99**	30	**99**	49.1
May 15	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	96	90	96	73	57	58	66	92	84	65	81	**99**	**99**	**99**	**99**	**99**	57	**99**	89.4
May 16	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	99	**99**	**99.0**
May 17	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	98	98	97	95	96	95	97	**99**	**99**	**99**	95	**99**	98.3
May 18	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	93	74	54	40	40	41	46	52	59	66	74	79	88	**99**	**99**	40	**99**	79.0
May 19	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	98	90	81	96	88	81	87	94	98	**99**	**99**	81	**99**	95.8
May 20	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	90	80	72	65	63	60	54	46	43	41	42	43	51	58	59	65	41	**99**	71.8
May 21	88	78	74	71	77	79	74	72	70	65	63	63	59	63	58	77	73	62	59	65	71	79	98	**99**	58	**99**	72.4
May 22	**99**	**99**	**99**	**99**	**99**	**99**	97	90	74	64	63	66	85	61	63	63	66	60	59	60	75	92	**99**	**99**	59	**99**	80.4
May 23	95	87	92	97	**99**	98	86	64	50	42	42	38	35	34	31	31	30	29	33	38	42	48	54	59	29	**99**	56.4
May 24	63	70	78	86	94	91	86	72	58	47	40	35	31	30	29	28	26	27	27	30	34	38	41	44	26	94	50.2
May 25	51	56	62	68	76	73	64	54	47	38	31	31	30	29	29	28	28	31	31	43	52	58	68	76	28	76	48.1
May 26	86	91	96	92	93	92	92	84	81	69	58	54	49	40	31	27	26	26	46	59	58	56	47	58	26	96	63.0
May 27	70	70	65	59	66	72	69	61	54	46	43	38	35	30	32	43	49	54	74	78	79	95	98	94	30	98	61.4
May 28	97	97	**99**	**99**	**99**	**99**	93	72	58	50	45	32	27	28	29	28	31	37	41	55	71	98	**99**	**99**	27	**99**	66.0
May 29	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	97	98	**99**	**99**	**99**	**99**	**99**	97	**99**	98.9
May 30	**99**	**99**	**99**	**99**	**99**	**99**	95	84	74	69	53	44	40	47	48	47	38	36	42	45	44	44	45	49	36	**99**	64.1
May 31	55	61	65	71	91	**99**	**99**	**99**	96	92	83	73	52	45	41	42	43	44	50	85	88	**99**	**99**	**99**	41	**99**	73.8
Diurnal Maximum	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99			
Diurnal Average	73.1	74.2	75.3	76.9	80.5	81.2	76.9	69.7	63.4	58.1	53.8	49.1	45.5	43.8	42.7	43.6	44.7	43.7	45.4	50.6	55.6	62.8	67.2	69.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

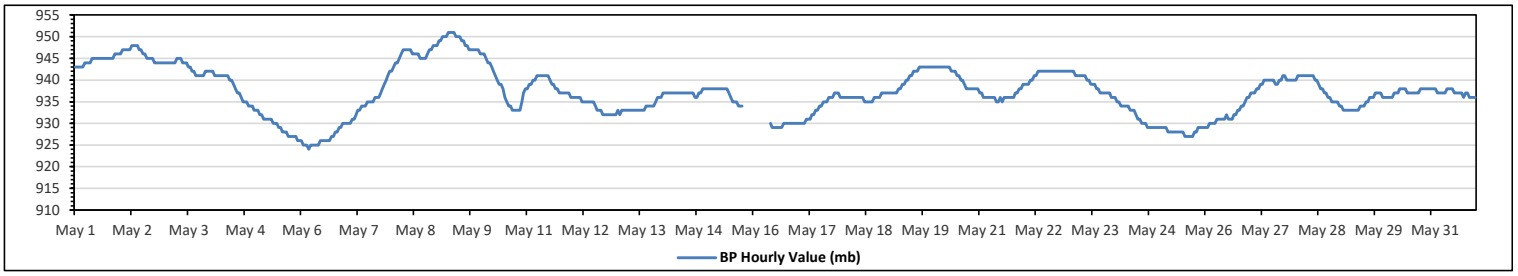
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	951	mb	on May 9 at hr 6	Hours in Service:	744	
Maximum Daily Value:	949	mb	on May 9	Hours of Data:	731	
Minimum Hourly Value:	924	mb	on May 6 at hr 4	Hours of Missing Data:	13	
Minimum Daily Value:	926	mb	on May 6	Hours of Calibration:	0	
Monthly Average:	937	mb		Operational Uptime:	98.3	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	943	943	943	943	943	944	944	944	944	945	945	945	945	945	945	945	945	945	945	945	945	946	946	946	943	946	945
May 2	946	947	947	947	947	947	948	948	948	948	947	947	946	946	945	945	945	945	944	944	944	944	944	944	944	948	946
May 3	944	944	944	944	944	944	945	945	945	944	944	944	943	943	942	942	941	941	941	941	941	942	942	942	941	945	943
May 4	942	942	941	941	941	941	941	941	941	941	940	940	939	938	937	937	936	935	935	935	934	934	934	933	933	942	938
May 5	933	933	932	932	931	931	931	931	931	930	930	930	929	929	928	928	928	927	927	927	927	927	926	926	926	933	929
May 6	926	925	925	925	**924**	925	925	925	925	925	926	926	926	926	926	926	927	927	928	928	929	929	930	930	**924**	930	**926**
May 7	930	930	930	931	931	932	933	933	934	934	934	935	935	935	935	936	936	936	937	938	939	940	941	942	930	942	935
May 8	942	943	944	944	945	946	947	947	947	947	947	946	946	946	946	945	945	945	945	946	947	947	948	948	942	948	946
May 9	948	949	949	950	950	950	**951**	**951**	**951**	**951**	950	950	950	949	949	948	948	947	947	947	947	947	947	946	946	**951**	**949**
May 10	946	946	945	944	944	943	942	941	940	939	939	938	936	935	934	934	933	933	933	933	933	935	937	938	933	946	938
May 11	938	939	939	940	940	941	941	941	941	941	941	941	940	939	939	938	938	937	937	937	937	937	937	936	936	941	939
May 12	936	936	936	936	936	935	935	935	935	935	935	935	934	933	933	933	932	932	932	932	932	932	932	932	932	936	934
May 13	933	932	933	933	933	933	933	933	933	933	933	933	933	933	933	934	934	934	934	934	935	936	936	936	932	936	934
May 14	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	936	936	937	937	938	938	938	936	938	937
May 15	938	938	938	938	938	938	938	938	938	938	938	937	936	935	935	935	934	934	934	934	X	X	X	X	934	938	937
May 16	X	X	X	X	X	X	X	X	X	930	929	929	929	929	929	929	930	930	930	930	930	930	930	930	929	930	NA
May 17	930	930	930	930	931	931	931	932	932	933	933	934	934	935	935	935	936	936	936	937	937	937	936	936	930	937	934
May 18	936	936	936	936	936	936	936	936	936	936	936	935	935	935	935	935	936	936	936	936	937	937	937	937	935	937	936
May 19	937	937	937	937	937	938	938	939	939	940	940	941	941	942	942	942	943	943	943	943	943	943	943	943	937	943	940
May 20	943	943	943	943	943	943	943	943	943	942	942	942	941	941	940	940	939	938	938	938	938	938	938	938	938	943	941
May 21	937	937	936	936	936	936	936	936	936	935	935	936	935	936	936	936	936	936	936	937	937	938	938	939	935	939	936
May 22	939	939	939	940	940	941	941	942	942	942	942	942	942	942	942	942	942	942	942	942	942	942	942	942	939	942	941
May 23	942	942	942	941	941	941	941	941	941	940	940	939	939	939	938	938	937	937	937	937	937	937	936	936	936	942	939
May 24	936	935	935	934	934	934	934	934	933	933	933	932	931	931	930	930	930	929	929	929	929	929	929	929	929	936	932
May 25	929	929	929	929	928	928	928	928	928	928	928	928	928	927	927	927	927	927	928	928	929	929	929	929	927	929	928
May 26	929	929	930	930	930	930	931	931	931	931	931	932	931	931	931	932	932	933	933	934	934	935	936	936	929	936	932
May 27	937	937	937	938	938	939	939	940	940	940	940	940	940	939	939	940	940	941	941	940	940	940	940	940	937	941	939
May 28	940	941	941	941	941	941	941	941	941	941	940	940	939	938	938	937	937	936	936	935	935	935	935	934	934	941	939
May 29	934	933	933	933	933	933	933	933	933	933	934	934	934	935	935	936	936	936	937	937	937	937	936	936	933	937	935
May 30	936	936	936	936	937	937	937	938	938	938	938	937	937	937	937	937	937	937	938	938	938	938	938	938	936	938	937
May 31	938	938	938	937	937	937	937	937	938	938	938	938	937	937	937	937	937	936	937	937	936	936	936	936	936	938	937
Diurnal Maximum	948	949	949	950	950	950	951	951	951	951	950	950	950	949	949	948	948	947	947	947	947	947	948	948			
Diurnal Average	938	938	938	938	938	938	938	938	938	938	938	938	937	937	937	937	937	936	937	937	937	937	937	937			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

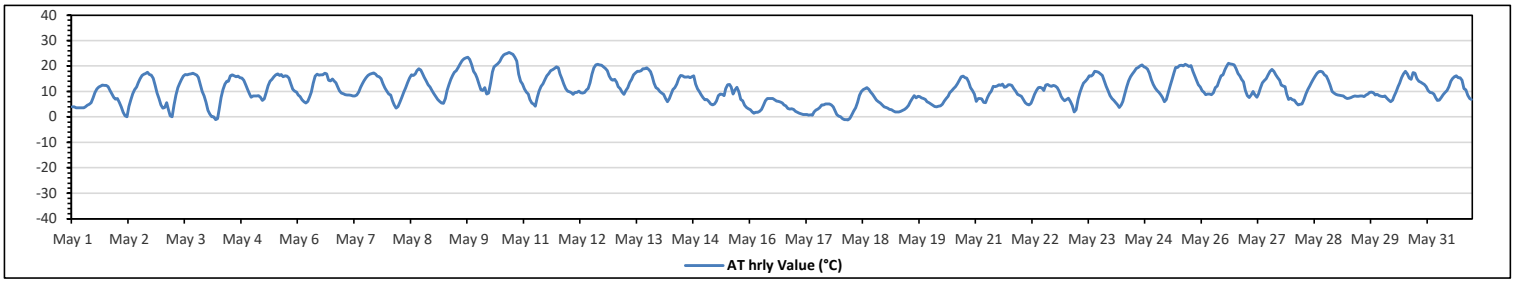
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	25.4	°C	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	18.3	°C	on May 10	Hours of Data:	744	
Minimum Hourly Value:	-1.2	°C	on May 18 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	2.6	°C	on May 17	Hours of Calibration:	0	
Monthly Average:	10.9	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	3.9	3.9	3.7	3.7	3.6	3.6	3.7	3.9	4.6	5	5.6	7.5	9.6	11	11.8	12.1	12.5	12.4	12.4	11.9	10.5	9.1	7.6	7	3.6	12.5	7.5
May 2	7.2	5.8	4	1.9	0.4	0	4.1	6.7	9.2	10.7	11.8	13.4	15	16.3	16.8	17.1	17.5	16.7	16.4	15.2	12.4	9.4	7.3	4.7	0.0	17.5	10.0
May 3	3.5	3.8	5.6	3.1	0.4	0.1	4.7	8.7	11.6	13.1	14.6	16	16.7	16.5	16.8	17	17.2	16.8	16.4	15.6	12.8	10	8.2	5.8	0.1	17.2	10.6
May 4	2.6	1.1	0.1	0.1	-1	-0.7	2.9	7.6	10.7	12.9	14.1	14.1	16.2	16.5	16.1	15.8	16	15.5	15.3	14.5	12.7	10.7	9	7.8	-1.0	16.5	9.6
May 5	8.2	8.3	8.3	8.4	7.8	6.5	7.1	9.6	12.2	14	14.8	15.8	16.5	16.9	16.3	16.7	15.9	16.2	16	15.3	13.1	10.9	10.2	9.8	6.5	16.9	12.3
May 6	8.7	7.9	6.7	6	5.5	6.1	8	9.7	13.3	16	16.8	16.4	16.5	16.5	17.2	16.9	14.4	14.2	14.9	14.2	13.4	11.7	10.3	9.3	5.5	17.2	12.1
May 7	9.2	8.8	8.6	8.7	8.5	8.2	8.2	8.7	9.8	11.7	13.2	14.3	15.5	16.3	16.8	17.1	17.3	16.8	16	15.8	15	13.1	11.4	10.2	8.2	17.3	12.5
May 8	9.1	8.6	6.3	4.7	3.5	4.1	5.9	7.8	9.8	11.6	13.5	15.3	16.5	16.3	17	18.2	18.9	18.5	17.2	15.6	14.2	12.6	11.8	10.4	3.5	18.9	12.0
May 9	9.2	7.9	6.8	6.2	5.4	5.3	7.2	10.3	12.6	14.7	16.4	17.6	18.2	19.5	20.9	22.1	22.8	23.2	23.5	22.6	20.6	18	16.8	15.3	5.3	23.5	15.1
May 10	12.9	10.6	10.4	11.6	9.1	9.4	13.2	17.7	19.8	20.3	21	21.8	23.4	24.3	24.8	25	**25.4**	25	24.6	23.5	22	16.8	14.1	12.9	9.1	**25.4**	**18.3**
May 11	11	9.7	9	6.8	5.5	5	4.2	7.7	10.3	12	13.1	14.6	16.1	17.1	18.2	18.6	19	19.7	19.3	17	15.1	13	11.2	10.1	4.2	19.7	12.6
May 12	9.9	9.5	8.9	9.6	9.6	10.2	9.5	9.3	9.6	10.6	11.1	13.4	16.8	19.3	20.4	20.7	20.5	20.3	19.8	19	18.2	16	14.7	14.4	8.9	20.7	14.2
May 13	14.8	13.6	11.9	11.2	9.8	8.9	10.5	11.6	13.5	14.7	16.5	17.3	18	18	18.2	18.9	18.9	19.3	18.7	17.8	16	13.3	11.5	11	8.9	19.3	14.7
May 14	10	9.3	8.9	7.2	6	7.3	8.9	10.7	11.6	13	15	16.3	16.1	15.7	15.7	15.8	15.5	15.8	16.2	13	11	9.9	8.8	7.7	6.0	16.3	11.9
May 15	6.7	6.8	6.1	5.2	4.8	5.1	6.3	8.4	9	8.9	8.4	11.1	12.6	12.8	11.8	9	10.6	11.7	9.9	6.8	6.4	4.6	3.8	3.2	3.2	12.8	7.9
May 16	2.8	2	1.5	1.8	1.9	2.2	2.9	4.6	6.4	7.3	7.3	7.2	7.2	6.7	6.3	6.1	5.9	5.5	4.8	4.3	3.3	3.1	3.2	2.9	1.5	7.3	4.5
May 17	2.3	1.9	1.5	1.2	1	1	1	0.7	0.9	0.7	2	2.7	3.1	3.8	4.7	4.8	5.2	5.2	5.1	4.8	4	2.4	1	0.3	0.3	5.2	**2.6**
May 18	0	-0.6	-1.1	-1.1	**-1.2**	-0.5	0.9	2.4	3.7	5.7	8.5	10	10.8	11.1	11.6	10.9	9.7	8.9	7.8	6.6	6	5.4	4.7	4	**-1.2**	11.6	5.2
May 19	3.8	3.5	3	2.8	2.4	2	2	2	2.2	2.6	3	3.7	4.5	6	7.3	8.4	7.5	8.1	8	7.5	7.3	6.9	6	5.6	2.0	8.4	4.8
May 20	5.2	4.6	4.1	4	4.2	4.4	5	6.3	7.3	8.1	9.5	10.3	11.1	11.9	13.1	14.4	15.9	16	15.5	15.3	13.8	11.5	10.5	9	4.0	16.0	9.6
May 21	6.1	7.3	7.3	7.1	5.8	5.6	7.7	9.2	10.2	12	11.9	12.1	12.6	12.4	12.9	11.7	11.9	12.7	12.7	12.4	11.2	10.1	8.9	8.5	5.6	12.9	10.0
May 22	8.1	6.8	5.6	5	4.7	5.3	6.9	8.9	10.5	11.5	11.7	11.3	10.4	12.5	12.8	12.3	12	12.4	12.1	11.5	10.2	8.1	7.1	6.4	4.7	12.8	9.3
May 23	6.8	7.4	6.2	4.5	2	2.8	6.8	9.6	11.8	13.3	14.1	14.9	16.2	16	16.6	17.9	17.8	17.5	17	16.3	14.2	12	10.3	8.4	2.0	17.9	11.7
May 24	7.2	6.5	5.7	4.9	3.8	4.8	6.2	9	11.8	14.2	15.8	16.9	18	19	19.5	20.1	20.4	19.7	19.4	18.8	17.2	14.6	12.8	11.4	3.8	20.4	13.2
May 25	10.4	9.6	8.6	7.6	6	6.9	9.6	12.3	14.8	17.4	19.4	19.4	20.2	20.3	20.1	20.7	20.3	19.9	20.2	17.9	16	14.2	12.6	11.8	6.0	20.7	14.8
May 26	10.3	9.7	8.8	9.1	9	8.8	9.5	11.5	12.1	14.3	16.1	16.5	18.6	20.1	21.1	20.9	20.7	20.4	18.9	17.1	16	14.7	13.8	10.4	8.8	21.1	14.5
May 27	8.4	7.6	8.6	10	8.7	7.8	9.1	11.4	13.4	14.3	15	16.6	18	18.7	18	16.6	15.5	14.4	12.5	12.1	11.9	9	6.8	7.4	6.8	18.7	12.2
May 28	6.7	6.6	5.5	4.7	5	5.2	6.9	9.1	10.8	12.1	13.4	14.7	16	17.2	17.8	18	17.7	16.6	16	14.5	12.4	10	9.3	8.9	4.7	18.0	11.5
May 29	8.7	8.5	8.4	8.2	7.7	7.3	7.4	7.7	8	8.2	8.1	8.1	8.3	8.3	8	8.6	9.1	9.6	9.8	9.5	8.7	8.9	8.4	8.1	7.3	9.8	8.4
May 30	8	8.2	7.4	6.6	6	6.6	8.2	9.9	11.9	13.3	15.4	16.9	18	16.9	15.3	14.7	17.4	17.2	15.1	14.1	13.7	13.2	12.8	11.9	6.0	18.0	12.4
May 31	10.4	9.6	9.5	9.1	7.5	6.5	6.6	7.6	8.8	9.6	10.4	11.9	14	15	15.9	16.2	15.5	15.4	14.5	11.1	10.6	8.5	7.2	6.8	6.5	16.2	10.8
Diurnal Maximum	14.8	13.6	11.9	11.6	9.8	10.2	13.2	17.7	19.8	20.3	21.0	21.8	23.4	24.3	24.8	25.0	25.4	25.0	24.6	23.5	22.0	18.0	16.8	15.3			
Diurnal Average	7.5	6.9	6.3	5.8	4.9	5.0	6.5	8.4	10.1	11.4	12.5	13.5	14.5	15.1	15.5	15.6	15.6	15.5	15.0	13.9	12.6	10.7	9.4	8.4			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

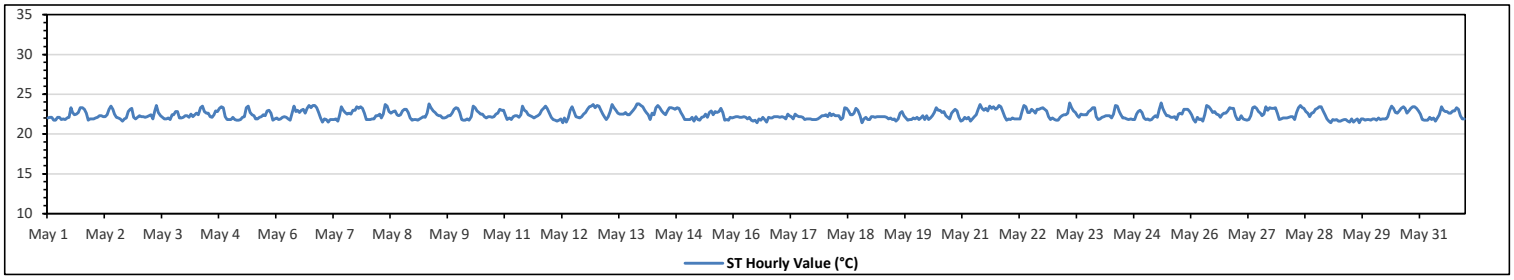
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.9	°C	on May 23 at hr 8	Hours in Service:	744	
Maximum Daily Value:	22.9	°C	on May 13	Hours of Data:	744	
Minimum Hourly Value:	21.4	°C	on May 12 at hr 6	Hours of Missing Data:	0	
Minimum Daily Value:	21.7	°C	on May 29	Hours of Calibration:	0	
Monthly Average:	22.4	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	22.0	22.1	22.1	21.7	21.7	22.1	22.1	21.8	21.9	21.8	22.0	22.1	23.3	22.7	22.4	22.5	22.7	23.3	23.3	23.1	22.6	21.7	21.9	21.9	21.7	23.3	22.3
May 2	21.9	22.0	22.1	22.3	22.3	22.2	22.2	22.4	23.1	23.5	23.1	22.5	22.1	22.0	21.9	21.6	21.9	22.0	22.8	23.1	23.2	22.1	21.9	22.1	21.6	23.5	22.3
May 3	22.3	22.2	22.2	22.1	22.2	22.3	22.4	21.9	22.9	23.6	22.7	22.3	22.1	21.9	21.9	22.0	21.8	22.4	22.4	22.8	22.8	22.0	22.0	22.1	21.8	23.6	22.3
May 4	22.3	22.3	22.1	22.5	22.2	22.4	22.6	22.4	23.3	23.5	22.8	22.6	22.6	22.2	22.1	22.4	22.9	22.8	23.2	23.4	23.3	22.2	21.8	21.8	21.8	23.5	22.6
May 5	21.8	22.1	21.8	21.7	21.7	21.8	22.1	22.2	23.3	23.5	22.7	22.4	22.3	21.9	21.9	22.1	22.2	22.4	22.3	22.9	23.0	22.6	21.7	21.9	21.7	23.5	22.3
May 6	22.0	21.8	21.9	22.1	22.2	22.1	21.9	21.7	22.6	23.5	22.8	23.0	22.7	23.0	23.1	22.6	23.2	23.6	23.3	23.6	23.6	23.3	22.7	22.0	21.7	23.6	22.7
May 7	21.5	21.9	21.8	21.5	21.8	21.8	21.8	21.9	21.6	22.3	23.4	23.0	22.7	22.5	22.6	22.5	23.0	23.0	23.4	23.2	23.4	23.2	22.6	21.8	21.5	23.4	22.4
May 8	21.8	21.8	21.9	21.9	22.3	22.3	22.5	22.0	22.5	23.7	23.5	22.8	22.6	22.8	22.9	22.4	22.3	22.4	22.9	23.1	23.1	22.7	22.0	21.7	21.7	23.7	22.5
May 9	21.8	21.8	21.7	21.9	22.0	22.2	22.1	22.6	23.8	23.3	22.9	22.7	22.4	22.3	22.3	22.0	22.0	22.1	22.3	22.3	22.6	23.1	23.3	23.2	21.7	23.8	22.4
May 10	22.7	21.8	21.7	21.7	21.9	21.7	22.2	23.5	23.3	22.9	22.7	22.5	22.5	22.2	22.0	22.2	22.2	22.1	22.2	22.5	22.6	23.1	23.0	23.0	21.7	23.5	22.4
May 11	22.4	21.8	22.0	21.8	22.2	22.3	22.3	22.1	22.4	23.5	23.0	22.8	22.4	22.3	22.2	22.0	22.2	22.3	22.5	23.0	23.2	23.5	23.2	22.6	21.8	23.5	22.5
May 12	22.1	21.8	21.7	21.6	21.7	21.9	**21.4**	22.0	21.5	22.0	23.0	23.4	22.8	22.2	22.1	22.0	22.2	22.5	22.7	23.1	23.4	23.5	23.7	23.3	**21.4**	23.7	22.4
May 13	23.6	23.5	23.0	22.5	22.1	21.8	22.2	22.8	23.7	23.3	23.0	22.6	22.5	22.5	22.5	22.7	22.4	22.4	22.7	23.0	23.3	23.8	23.8	23.6	21.8	23.8	**22.9**
May 14	23.4	23.0	22.7	22.4	21.8	22.6	22.4	23.3	23.6	23.3	22.9	22.6	22.4	22.9	23.3	23.3	23.2	23.1	23.3	23.2	22.7	22.3	21.8	21.8	21.8	23.6	22.8
May 15	21.8	21.8	22.1	21.6	22.2	21.8	21.7	22.1	22.2	22.5	22.1	22.7	22.9	22.4	22.8	22.7	22.8	23.2	22.7	21.7	21.8	21.7	22.1	22.0	21.6	23.2	22.2
May 16	22.1	22.2	22.2	22.1	22.1	22.2	22.1	21.9	22.1	21.7	21.6	21.7	**21.4**	21.9	21.7	22.1	21.8	21.5	22.1	22.0	22.0	22.2	22.2	22.2	**21.4**	22.2	22.0
May 17	22.1	22.2	22.1	21.9	22.5	22.3	22.2	21.9	22.5	22.3	22.2	22.2	22.1	21.8	21.9	21.9	21.9	21.8	21.8	21.8	21.9	22.1	22.3	22.3	21.8	22.5	22.1
May 18	22.4	22.2	22.6	22.3	22.5	22.3	22.3	22.3	21.8	22.0	23.3	23.2	22.9	22.4	22.4	22.6	23.2	23.0	22.3	**21.4**	21.9	22.1	21.8	21.8	**21.4**	23.3	22.4
May 19	22.2	22.2	22.1	22.2	22.2	22.2	22.2	22.2	22.1	21.9	22.0	21.8	21.9	21.6	21.9	22.6	22.8	22.3	22.0	21.7	21.8	21.8	22.0	21.9	21.6	22.8	22.1
May 20	22.1	21.8	22.0	22.3	21.8	22.3	21.8	22.0	22.3	22.7	23.3	23.0	23.0	22.7	22.8	22.3	22.1	21.9	22.6	22.9	23.1	22.9	22.1	21.6	21.6	23.3	22.4
May 21	21.7	22.1	21.9	22.1	21.6	21.9	22.2	22.4	23.1	23.7	23.2	23.0	23.2	22.9	23.5	23.2	23.4	23.1	23.2	23.6	23.4	22.8	22.2	21.7	21.6	23.7	22.7
May 22	21.9	21.8	22.0	21.9	21.9	21.9	21.9	22.8	23.6	23.4	22.7	22.7	23.1	22.9	22.6	23.1	23.1	23.2	23.3	23.1	22.9	22.2	21.8	22.0	21.8	23.6	22.6
May 23	21.8	21.7	21.7	22.1	22.3	22.4	22.4	22.6	**23.9**	23.3	22.9	22.7	22.3	22.1	22.5	22.4	22.4	22.4	22.8	23.0	23.3	23.3	22.2	21.8	21.7	**23.9**	22.5
May 24	21.9	22.1	22.2	22.3	22.3	22.3	22.0	22.5	23.6	23.5	22.8	22.4	22.0	22.0	21.9	21.8	21.9	21.8	21.8	22.5	22.8	23.0	22.7	22.0	21.8	23.6	22.3
May 25	21.8	21.9	21.7	21.8	22.1	22.3	22.1	23.1	**23.9**	23.2	22.7	22.3	22.3	22.1	22.1	22.2	21.8	22.5	22.6	22.5	23.1	23.1	23.1	22.8	21.7	**23.9**	22.5
May 26	22.4	21.8	21.5	22.1	21.8	21.9	21.6	22.4	23.6	23.4	23.1	22.7	22.8	22.5	22.4	22.1	22.4	22.6	22.6	22.9	23.3	23.2	23.2	22.3	21.5	23.6	22.5
May 27	21.8	21.8	22.3	21.9	21.8	21.7	21.8	22.3	23.3	23.4	23.2	22.8	22.6	22.3	22.5	23.4	23.0	23.3	23.2	23.2	23.3	22.6	21.8	21.9	21.7	23.4	22.6
May 28	22.0	22.0	22.0	22.1	22.2	22.2	21.8	22.7	23.3	23.6	23.3	23.2	22.8	22.6	22.2	22.6	22.7	23.1	23.2	23.4	23.4	22.9	22.4	21.9	21.8	23.6	22.7
May 29	21.6	**21.4**	21.8	21.7	21.8	21.6	21.6	21.7	21.8	21.8	21.6	21.5	21.9	21.5	21.7	21.9	**21.4**	21.9	21.9	21.7	21.8	21.8	21.7	21.9	**21.4**	21.9	**21.7**
May 30	21.9	21.7	22.0	21.8	21.9	21.9	21.9	22.2	23.0	23.5	23.2	22.7	22.6	22.9	23.2	23.4	23.2	22.6	22.9	23.2	23.4	23.4	23.2	22.9	21.7	23.5	22.7
May 31	22.5	21.8	21.7	21.7	21.7	22.1	21.8	22.0	21.6	22.0	22.4	23.4	23.0	22.8	22.8	22.6	22.6	22.9	22.9	23.3	23.1	22.3	21.9	21.9	21.6	23.4	22.4
Diurnal Maximum	23.6	23.5	23.0	22.5	22.5	22.6	22.6	23.5	23.9	23.7	23.5	23.4	23.3	23.0	23.5	23.4	23.4	23.6	23.4	23.6	23.6	23.8	23.8	23.6			
Diurnal Average	22.1	22.0	22.0	22.0	22.0	22.1	22.1	22.3	22.8	23.0	22.8	22.6	22.5	22.3	22.4	22.4	22.5	22.6	22.7	22.8	22.9	22.7	22.4	22.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

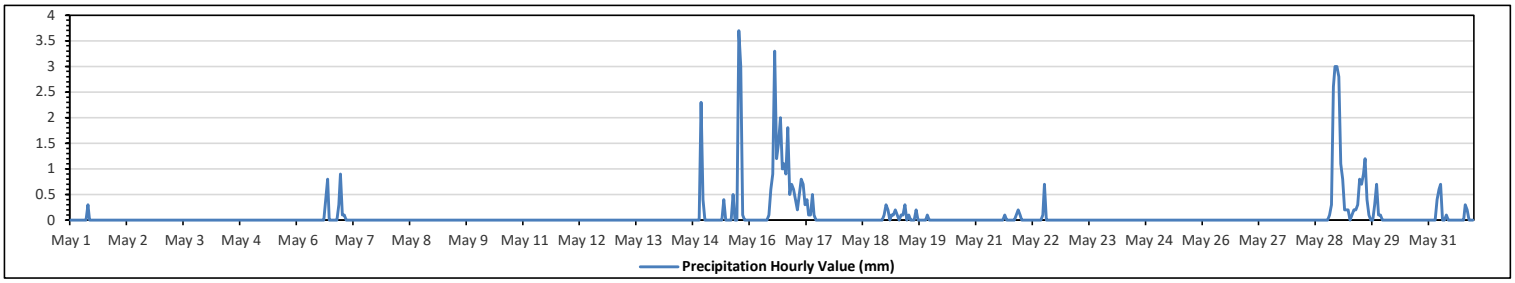
PRECIPITATION in mm

Maximum Hourly Value:	3.7	mm	on May 15 at hr 18	Hours in Service:	744	
Maximum Daily Value:	16.2	mm	on May 16	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on May 2	Hours of Calibration:	0	
Monthly Total:	59.6	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
May 1	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3	0.3
May 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8	0	0	0	0	0	0.3	0.9	0.0	0.9	2.4
May 7	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0.4	0.0	2.3	2.7
May 15	0	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0.5	0	0	**3.7**	3	0.1	0	0	0	0.0	**3.7**	7.7
May 16	0	0	0	0	0	0	0	0	0	0	0.1	0.6	0.9	3.3	1.2	1.5	2	1	1.1	0.9	1.8	0.5	0.7	0.6	0.0	3.3	**16.2**
May 17	0.4	0.2	0.5	0.8	0.7	0.3	0.4	0.1	0.1	0.5	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.8	4.1
May 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.0	0.1	0.1
May 19	0.3	0.2	0	0.1	0.1	0.2	0.1	0	0.1	0.1	0.3	0	0.1	0	0	0	0.2	0	0	0	0	0	0.1	0	0.0	0.3	1.9
May 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0.2	0.1	0.0	0.2	0.5
May 22	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7	0	0	0	0	0	0	0	0	0	0	0	0.0	0.7	0.8
May 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	2.6	3	3	0.0	3.0	9.0
May 29	2.8	1.1	0.8	0.2	0.2	0.2	0	0.1	0.2	0.2	0.3	0.8	0.7	0.9	1.2	0.4	0.1	0	0	0.3	0.7	0.1	0.1	0	0.0	2.8	11.4
May 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 31	0	0	0	0	0.4	0.6	0.7	0	0	0.1	0	0	0	0	0	0	0	0	0	0.3	0.2	0	0	0	0.0	0.7	2.3
Diurnal Maximum	2.8	1.1	0.8	0.8	0.7	0.6	0.7	0.1	0.2	0.5	0.4	0.8	0.9	3.3	1.2	1.5	2.0	1.0	3.7	3.0	1.8	2.6	3.0	3.0			
Diurnal Average	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.2	0.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

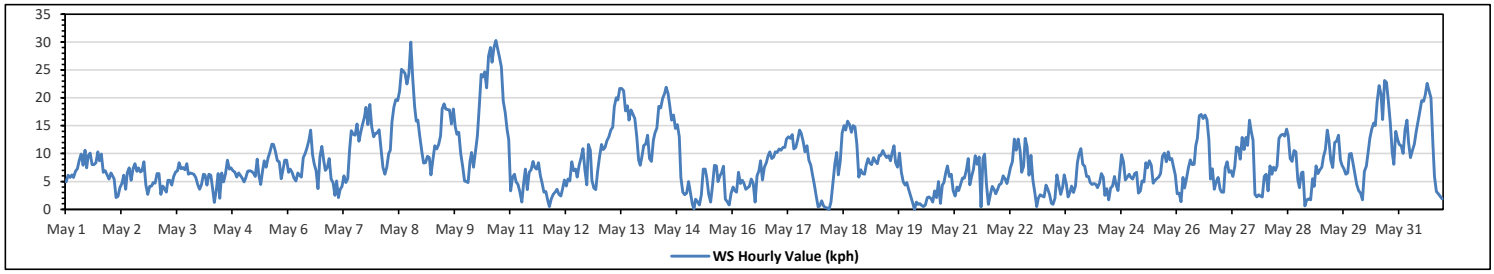
VECTOR WIND SPEED (VWS) in km/hr

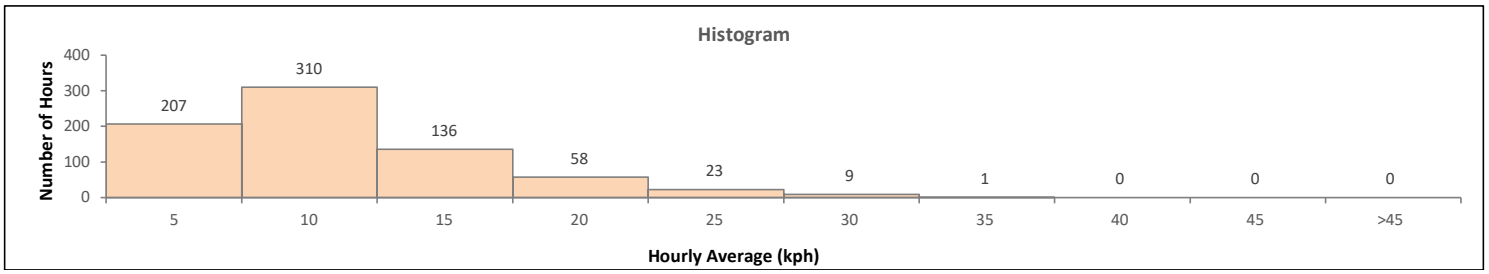
Maximum Hourly Value:	30.3	kph	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	19.2	kph	on May 10	Hours of Data:	744	
Minimum Hourly Value:	0.0	kph	on May 18 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	2.8	kph	on May 20	Hours of Calibration:	0	
Monthly Average:	2.9	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	4.9	6.1	5.7	6.2	5.7	6.8	7.3	8.8	9.9	7.9	10.6	7.4	9.6	10.1	8.0	8.0	8.4	10.3	8.7	9.9	6.6	6.9	6.2	5.4	4.9	10.6	7.7
May 2	6.5	6.0	5.4	2.1	2.3	3.9	4.6	6.1	3.6	6.5	7.4	5.2	7.3	8.2	6.8	7.4	6.7	6.9	8.5	4.4	2.7	4.1	4.2	4.8	2.1	8.5	5.5
May 3	4.7	6.4	6.4	2.7	4.2	3.7	3.1	5.2	5.2	4.3	5.9	6.7	6.9	8.4	7.3	7.5	7.1	8.2	6.3	6.5	6.4	6.3	5.7	4.5	2.7	8.4	5.8
May 4	3.6	4.5	6.3	6.2	4.3	6.3	6.1	3.6	1.2	3.4	6.4	2.0	6.5	4.9	6.4	8.8	7.2	7.4	6.9	6.7	5.8	6.5	6.1	5.6	1.2	8.8	5.5
May 5	4.9	5.6	6.8	6.9	6.8	6.5	5.9	9.0	6.2	4.5	7.0	8.7	7.6	9.2	10.3	11.7	11.6	10.4	8.7	8.5	5.5	7.2	8.8	8.8	4.5	11.7	7.8
May 6	6.6	7.2	6.6	5.6	5.1	6.5	6.1	5.8	9.3	10.0	11.1	12.5	14.2	9.8	8.2	6.9	3.7	9.4	11.3	8.7	7.0	7.5	9.1	5.4	3.7	14.2	8.1
May 7	4.8	2.5	5.1	2.1	3.5	4.1	6.0	4.8	5.5	10.9	14.1	13.5	13.3	15.3	12.2	13.9	15.2	16.5	18.3	15.2	18.8	14.7	13.0	13.6	2.1	18.8	10.7
May 8	13.7	14.3	10.8	7.5	6.3	7.6	10.0	10.6	15.6	18.3	19.7	19.5	21.2	25.1	24.8	24.4	22.5	24.3	30.0	23.5	18.4	15.8	16.0	13.1	6.3	30.0	17.2
May 9	10.5	8.3	8.4	9.5	9.3	6.2	8.9	11.4	10.8	11.6	13.2	18.0	18.9	18.0	17.9	17.8	15.3	18.0	14.8	13.5	13.8	10.0	7.7	5.1	5.1	18.9	12.4
May 10	5.0	4.8	8.6	10.2	7.6	10.3	13.1	18.5	24.2	23.7	24.7	21.8	27.5	29.0	26.4	29.1	**30.3**	28.9	27.3	25.5	19.4	17.4	14.3	12.5	4.8	**30.3**	**19.2**
May 11	3.3	5.8	6.3	4.9	4.5	3.1	1.3	4.3	7.2	3.5	6.6	7.1	8.6	7.6	7.2	8.4	6.0	4.8	3.1	3.2	1.6	0.5	1.9	2.7	0.5	8.6	4.7
May 12	3.1	3.6	2.7	2.4	3.6	5.3	4.2	5.4	5.1	8.5	6.9	7.2	5.8	7.9	9.2	10.9	7.1	4.4	11.6	10.6	5.2	3.8	3.5	6.9	2.4	11.6	6.0
May 13	9.5	11.6	10.7	11.1	12.3	13.0	14.2	14.7	18.4	20.0	19.6	21.7	21.7	21.3	17.7	18.6	16.0	17.8	17.1	16.3	13.1	8.8	7.9	9.7	7.9	21.7	15.1
May 14	11.5	11.7	13.3	9.1	8.6	12.4	13.7	14.6	18.5	18.2	19.9	20.8	21.9	20.8	18.7	16.0	16.9	14.5	15.2	13.0	5.7	3.1	2.6	2.9	2.6	21.9	13.5
May 15	5.0	2.9	0.9	0.1	1.8	1.4	0.8	2.6	7.2	7.2	5.6	2.7	1.3	4.3	7.9	7.8	5.0	6.0	6.5	7.7	1.8	1.4	0.8	2.9	0.1	7.9	3.8
May 16	4.0	3.4	3.1	6.6	4.6	5.2	4.7	3.6	3.9	4.1	5.4	4.7	1.3	6.0	6.9	8.7	5.3	7.6	8.4	9.7	10.3	9.1	9.4	10.3	1.3	10.3	6.1
May 17	10.2	10.8	10.6	11.1	11.1	12.6	13.0	12.7	13.4	10.8	11.1	12.5	14.2	13.6	12.2	10.3	11.4	8.8	7.9	6.3	4.5	2.3	0.4	0.6	0.4	14.2	9.7
May 18	1.5	0.6	0.3	0.3	**0.0**	1.3	4.6	8.1	10.2	6.2	8.6	13.7	15.0	14.2	15.8	15.2	13.8	15.0	14.8	11.6	5.8	7.1	6.4	6.3	**0.0**	15.8	8.2
May 19	7.9	9.1	8.3	8.0	9.3	8.6	8.2	9.7	9.7	10.5	9.8	9.3	9.6	8.7	10.1	11.4	8.4	7.6	10.1	6.6	4.9	4.3	4.8	3.5	3.5	11.4	8.3
May 20	2.4	1.2	**0.0**	1.3	0.9	1.0	0.7	0.5	0.8	2.1	2.2	1.9	1.3	3.3	2.1	5.0	1.1	4.3	4.8	6.6	7.8	5.9	6.3	3.3	**0.0**	7.8	**2.8**
May 21	2.4	4.0	3.4	4.5	5.6	5.6	7.0	9.1	4.4	6.0	7.1	9.6	8.1	9.4	0.4	9.1	9.9	4.5	0.9	2.6	4.1	3.5	2.8	3.6	0.4	9.9	5.3
May 22	4.4	4.6	6.0	5.5	4.6	6.1	7.5	8.5	12.6	10.6	12.6	10.5	6.6	7.7	12.7	11.2	6.1	9.7	5.3	3.0	0.5	2.0	2.6	2.4	0.5	12.7	6.8
May 23	2.2	4.3	3.7	2.7	1.1	0.9	2.0	6.2	4.4	2.7	4.0	6.2	4.7	2.2	3.1	4.2	3.0	4.2	8.3	9.9	10.9	8.1	7.7	5.9	0.9	10.9	4.7
May 24	5.9	4.8	4.5	4.6	4.5	3.9	4.7	6.4	5.8	2.5	3.7	1.7	3.8	4.2	5.9	4.4	3.4	6.8	9.8	8.5	5.3	5.8	6.3	5.7	1.7	9.8	5.1
May 25	5.4	6.4	6.6	2.9	3.3	5.1	4.9	8.4	7.4	8.7	7.9	4.7	5.2	5.5	5.8	6.4	9.5	10.1	8.5	10.3	8.9	9.1	7.7	6.2	2.9	10.3	6.9
May 26	2.8	2.9	1.4	5.7	3.8	5.5	7.4	8.9	8.0	8.1	11.4	12.7	16.8	17.0	16.3	16.9	16.1	12.5	5.4	7.3	3.6	5.0	5.7	3.6	1.4	17.0	8.5
May 27	3.1	3.1	7.4	8.5	6.6	6.9	5.9	7.7	11.2	11.0	9.0	12.9	10.7	12.9	11.5	16.0	14.1	12.4	2.7	2.2	2.6	2.3	2.2	5.9	2.2	16.0	7.9
May 28	6.3	3.3	7.8	6.3	7.6	7.0	7.8	12.7	13.3	13.5	13.1	14.4	13.2	9.1	8.6	10.5	10.3	5.3	3.9	6.5	6.7	0.6	1.7	1.9	0.6	14.4	8.0
May 29	1.7	5.5	4.1	7.8	6.4	7.1	7.6	9.4	10.7	14.2	12.5	8.8	7.5	12.0	12.2	13.3	8.9	7.9	7.3	6.3	6.5	9.9	10.0	8.1	1.7	14.2	8.6
May 30	6.1	4.5	3.4	2.9	1.7	6.8	7.7	9.9	12.7	14.4	15.5	15.0	19.4	22.2	20.6	16.1	23.1	22.8	19.3	15.5	10.2	8.1	14.0	12.5	1.7	23.1	12.7
May 31	11.6	11.4	10.0	14.3	16.0	12.0	9.3	10.5	11.7	14.0	15.9	17.5	19.5	19.4	20.5	22.6	21.3	20.0	11.8	5.9	3.2	2.8	2.3	1.9	1.9	22.6	12.7
Diurnal Maximum	13.7	14.3	13.3	14.3	16.0	13.0	14.2	18.5	24.2	23.7	24.7	21.8	27.5	29.0	26.4	29.1	30.3	28.9	30.0	25.5	19.4	17.4	16.0	13.6			
Diurnal Average	5.7	5.8	6.0	5.8	5.6	6.2	6.7	8.3	9.3	9.6	10.6	10.7	11.3	11.8	11.4	12.2	11.1	11.2	10.4	9.4	7.3	6.4	6.4	6.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



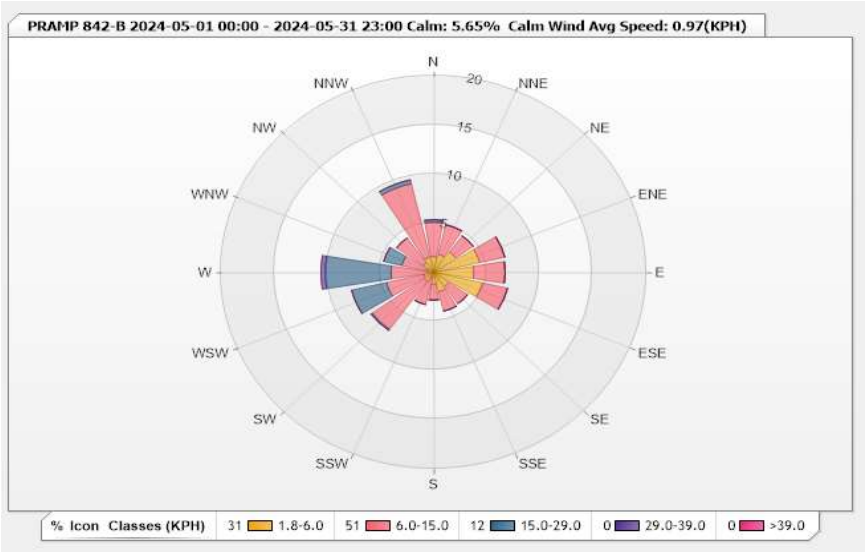


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 05-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 5.65% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.61	3.49	0.27	0	0	5.37
NNE	1.88	3.09	0	0	0	4.97
NE	2.55	2.02	0	0	0	4.57
ENE	4.44	2.42	0	0	0	6.86
E	3.76	2.96	0	0	0	6.72
ESE	4.7	2.42	0	0	0	7.12
SE	1.75	2.15	0	0	0	3.9
SSE	2.02	2.02	0	0	0	4.04
S	1.21	1.61	0	0	0	2.82
SSW	0.54	2.82	0	0	0	3.36
SW	1.08	6.05	0.13	0	0	7.26
WSW	0.94	3.63	3.36	0	0	7.93
W	0.54	3.49	6.18	0.4	0	10.61
WNW	0.67	2.42	1.75	0	0	4.84
NW	1.21	3.09	0	0	0	4.3
NNW	1.61	7.66	0.4	0	0	9.67
Summary	30.51	51.34	12.09	0.4	0	94.34



Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

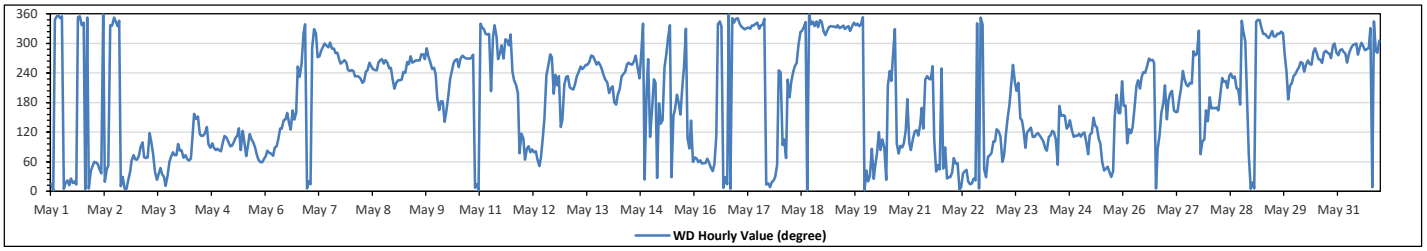
WIND DIRECTION (VWD) in sector

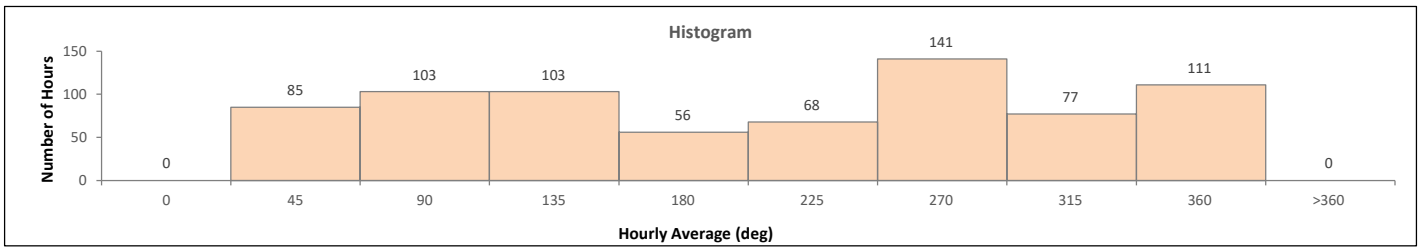
Monthly Average:	278 (W)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
May 1	NNE	N	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNW	NNW	N	N	N	NE	NE	6	N
May 2	ENE	ENE	NE	NE	NE	N	NNE	NE	NE	NNW	NNW	N	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	ENE	ENE	ENE	18	NNE
May 3	ENE	ENE	E	E	ENE	ENE	ENE	ESE	E	ENE	NE	NNE	NE	NE	NE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	E	59	ENE
May 4	E	E	ENE	ENE	ENE	ENE	ENE	ESE	SSE	SE	SSE	ESE	ESE	ESE	ESE	SE	E	E	E	E	E	E	E	E	95	E
May 5	E	ESE	ESE	E	E	E	E	ESE	ESE	SE	E	ESE	E	ENE	E	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE	94	E
May 6	ENE	E	ENE	ENE	ENE	E	E	ESE	SE	SE	SE	SE	SSE	SE	SE	SSE	SE	SSE	WSW	SW	WSW	NW	NNW	N	130	SE
May 7	NNE	NNE	WNW	NNW	NW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	W	W	W	WSW	WSW	278	W
May 8	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	W	W	WSW	W	W	WSW	WSW	SW	250	WSW
May 9	SSW	SW	SW	SW	SW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	W	W	WNW	W	W	WSW	WSW	SW	259	WSW
May 10	S	SSE	S	S	SE	SSE	S	SW	WSW	WSW	W	W	WSW	W	W	W	W	W	W	W	W	N	NNE	N	262	W
May 11	NNW	NNW	NNW	NW	NW	NW	SSW	NW	NNW	NW	W	W	WNW	W	NW	NW	WNW	NW	WSW	SW	SW	SSW	ENE	ESE	302	WNW
May 12	ESE	ENE	E	E	ENE	E	ENE	E	ENE	NE	ENE	ESE	SSE	SW	WSW	W	W	SSW	SW	SSW	SW	SE	SE	SW	174	S
May 13	SW	SW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	WSW	W	WSW	WSW	SW	SW	SW	247	WSW
May 14	SSW	SSW	SSW	S	S	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WSW	W	W	WSW	SW	W	NNW	NNE	SSW	W	ESE	243	WSW
May 15	SSE	SW	SW	NNE	S	SE	SE	WSW	W	NW	NNW	NNE	SSE	SSE	SSW	S	SSE	SSW	WSW	NNW	ESE	E	SE	ENE	223	SW
May 16	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	NE	NE	NE	NE	ESE	NNW	NNW	NNW	N	NNE	NNE	N	N	N	NNW	N	18	NNE
May 17	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	NNE	NNE	NNE	NE	WSW	343	NNW
May 18	WSW	E	ESE	ENE	SW	S	SW	WSW	WSW	WSW	WNW	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	328	NNW
May 19	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	333	NNW
May 20	NE	NNE	NNE	E	NNE	NE	ENE	ESE	E	ESE	E	NNE	SSW	WSW	SW	WNW	NNW	E	ENE	E	E	E	ESE	S	95	E
May 21	E	E	ESE	ESE	ESE	ESE	SE	SSE	SE	SW	SW	SW	SW	WSW	ESE	NE	NE	NE	WSW	NE	E	NNE	NNE	NNE	127	SE
May 22	NE	ENE	NE	ENE	N	N	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNW	N	N	NNW	NE	NNE	ENE	ENE	ENE	E	23	NNE
May 23	E	SE	ESE	ESE	ENE	ENE	ESE	SE	S	SSW	WSW	SW	SSW	SW	SE	SE	ESE	E	ESE	ESE	SE	ESE	ESE	ESE	135	SE
May 24	ESE	ESE	ESE	E	E	E	ESE	ESE	ESE	ESE	ESE	NE	S	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	121	ESE
May 25	ESE	ESE	ESE	E	ENE	ESE	ESE	SSE	SE	SE	ESE	E	ENE	NE	NE	NE	NE	NNE	NE	SSE	SSW	SSE	SSE	SW	108	ESE
May 26	S	S	E	SE	ESE	SE	SSE	SSW	SW	SSW	SW	WSW	WSW	WSW	W	W	W	W	N	E	ESE	SSE	S	SSW	231	SW
May 27	SE	S	SSW	SSW	SSE	SSE	SSE	S	SSW	WSW	SW	SW	SSW	SW	SW	WNW	W	W	NW	ENE	E	ESE	SSE	SE	218	SW
May 28	S	SSE	SSE	SSE	SSE	SSE	SSW	SW	SW	SW	SSW	SW	WSW	SW	SW	SSW	SSW	S	NNW	NW	WNW	S	ENE	N	216	SW
May 29	NNE	N	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	WSW	S	SSW	SW	SW	308	NW
May 30	SW	WSW	WSW	W	WSW	WSW	WSW	W	WSW	WSW	W	WNW	W	W	W	WSW	W	WNW	W	W	W	WNW	WNW	W	274	W
May 31	W	WNW	WNW	W	W	W	W	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	NNW	N	NNW	WNW	W	NW	291	WNW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

842-B Station - May 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	30.3	kph	on May 10 at hr 16	Hours in Service:	744
Maximum Daily Value:	19.2	kph	on May 10	Hours of Data:	744
Minimum Hourly Value:	0.0	kph	on May 18 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	2.8	kph	on May 20	Hours of Calibration:	0
Monthly Average:	2.9	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 278 degree (W)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	4.9	6.1	5.7	6.2	5.7	6.8	7.3	8.8	9.9	7.9	10.6	7.4	9.6	10.1	8.0	8.0	8.4	10.3	8.7	9.9	6.6	6.9	6.2	5.4	4.9	10.6	7.7
	NNE	N	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNW	NNW	N	N	N	NE	NE			6(N)
May 2	6.5	6.0	5.4	2.1	2.3	3.9	4.6	6.1	3.6	6.5	7.4	5.2	7.3	8.2	6.8	7.4	6.7	6.9	8.5	4.4	2.7	4.1	4.2	4.8	2.1	8.5	5.5
	ENE	ENE	NE	NE	NE	N	NNE	NE	NE	NNW	NNW	N	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	ENE	ENE	ENE			18(NNE)
May 3	4.7	6.4	6.4	2.7	4.2	3.7	3.1	5.2	5.2	4.3	5.9	6.7	6.9	8.4	7.3	7.5	7.1	8.2	6.3	6.5	6.4	6.3	5.7	4.5	2.7	8.4	5.8
	ENE	ENE	E	E	ENE	ENE	ENE	ESE	E	ENE	NE	NNE	NE	NE	NE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	E			59(ENE)
May 4	3.6	4.5	6.3	6.2	4.3	6.3	6.1	3.6	1.2	3.4	6.4	2.0	6.5	4.9	6.4	8.8	7.2	7.4	6.9	6.7	5.8	6.5	6.1	5.6	1.2	8.8	5.5
	E	E	ENE	ENE	ENE	ENE	ENE	ESE	SSE	SE	SSE	ESE	ESE	ESE	ESE	SE	E	E	E	E	E	E	E	E			95(E)
May 5	4.9	5.6	6.8	6.9	6.8	6.5	5.9	9.0	6.2	4.5	7.0	8.7	7.6	9.2	10.3	11.7	11.6	10.4	8.7	8.5	5.5	7.2	8.8	8.8	4.5	11.7	7.8
	E	ESE	ESE	E	E	E	E	ESE	ESE	SE	E	ESE	E	ENE	E	ESE	ESE	E	E	ENE	ENE	ENE	ENE	ENE			94(E)
May 6	6.6	7.2	6.6	5.6	5.1	6.5	6.1	5.8	9.3	10.0	11.1	12.5	14.2	9.8	8.2	6.9	3.7	9.4	11.3	8.7	7.0	7.5	9.1	5.4	3.7	14.2	8.1
	ENE	E	ENE	ENE	ENE	E	E	ESE	SE	SE	SE	SE	SSE	SE	SE	SSE	SE	SSE	WSW	SW	WSW	NW	NNW	N			130(SE)
May 7	4.8	2.5	5.1	2.1	3.5	4.1	6.0	4.8	5.5	10.9	14.1	13.5	13.3	15.3	12.2	13.9	15.2	16.5	18.3	15.2	18.8	14.7	13.0	13.6	2.1	18.8	10.7
	NNE	NNE	WNW	NNW	NW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	W	W	W	WSW	WSW			278(W)
May 8	13.7	14.3	10.8	7.5	6.3	7.6	10.0	10.6	15.6	18.3	19.7	19.5	21.2	25.1	24.8	24.4	22.5	24.3	30.0	23.5	18.4	15.8	16.0	13.1	6.3	30.0	17.2
	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	W	W	WSW	W	W	WSW	WSW	SW			250(WSW)
May 9	10.5	8.3	8.4	9.5	9.3	6.2	8.9	11.4	10.8	11.6	13.2	18.0	18.9	18.0	17.9	17.8	15.3	18.0	14.8	13.5	13.8	10.0	7.7	5.1	5.1	18.9	12.4
	SSW	SW	SW	SW	SW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	W	W	WNW	W	W	WSW	WSW	SW			259(WSW)
May 10	5.0	4.8	8.6	10.2	7.6	10.3	13.1	18.5	24.2	23.7	24.7	21.8	27.5	29.0	26.4	29.1	**30.3**	28.9	27.3	25.5	19.4	17.4	14.3	12.5	4.8	**30.3**	**19.2**
	S	SSE	S	S	SE	SSE	S	SW	WSW	WSW	W	W	WSW	W	W	W	W	W	W	W	W	N	NNE	N			262(W)
May 11	3.3	5.8	6.3	4.9	4.5	3.1	1.3	4.3	7.2	3.5	6.6	7.1	8.6	7.6	7.2	8.4	6.0	4.8	3.1	3.2	1.6	0.5	1.9	2.7	0.5	8.6	4.7
	NNW	NNW	NNW	NW	NW	NW	SSW	NW	NNW	NW	W	W	WNW	W	NW	NW	WNW	NW	WSW	SW	SW	SSW	ENE	ESE			302(WNW)
May 12	3.1	3.6	2.7	2.4	3.6	5.3	4.2	5.4	5.1	8.5	6.9	7.2	5.8	7.9	9.2	10.9	7.1	4.4	11.6	10.6	5.2	3.8	3.5	6.9	2.4	11.6	6.0
	ESE	ENE	E	E	ENE	E	ENE	E	ENE	NE	ENE	ESE	SSE	SW	WSW	W	W	SSW	SW	SSW	SW	SE	SE	SW			174(S)
May 13	9.5	11.6	10.7	11.1	12.3	13.0	14.2	14.7	18.4	20.0	19.6	21.7	21.7	21.3	17.7	18.6	16.0	17.8	17.1	16.3	13.1	8.8	7.9	9.7	7.9	21.7	15.1
	SW	SW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	WSW	W	WSW	WSW	SW	SW	SW			247(WSW)
May 14	11.5	11.7	13.3	9.1	8.6	12.4	13.7	14.6	18.5	18.2	19.9	20.8	21.9	20.8	18.7	16.0	16.9	14.5	15.2	13.0	5.7	3.1	2.6	2.9	2.6	21.9	13.5
	SSW	SSW	SSW	S	S	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WSW	W	W	WSW	SW	W	NNW	NNE	SSW	W	ESE			243(WSW)
May 15	5.0	2.9	0.9	0.1	1.8	1.4	0.8	2.6	7.2	7.2	5.6	2.7	1.3	4.3	7.9	7.8	5.0	6.0	6.5	7.7	1.8	1.4	0.8	2.9	0.1	7.9	3.8
	SSE	SW	SW	NNE	S	SE	SE	WSW	W	NW	NNW	NNE	SSE	SSE	SSW	S	SSE	SSW	WSW	NNW	ESE	E	SE	ENE			223(SW)
May 16	4.0	3.4	3.1	6.6	4.6	5.2	4.7	3.6	3.9	4.1	5.4	4.7	1.3	6.0	6.9	8.7	5.3	7.6	8.4	9.7	10.3	9.1	9.4	10.3	1.3	10.3	6.1
	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	NE	NE	NE	NE	ESE	NNW	NNW	NNW	N	NNE	NNE	N	N	N	NNW	N			18(NNE)
May 17	10.2	10.8	10.6	11.1	11.1	12.6	13.0	12.7	13.4	10.8	11.1	12.5	14.2	13.6	12.2	10.3	11.4	8.8	7.9	6.3	4.5	2.3	0.4	0.6	0.4	14.2	9.7
	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	NNE	NNE	NNE	NE	WSW			343(NNW)
May 18	1.5	0.6	0.3	0.3	**0.0**	1.3	4.6	8.1	10.2	6.2	8.6	13.7	15.0	14.2	15.8	15.2	13.8	15.0	14.8	11.6	5.8	7.1	6.4	6.3	**0.0**	15.8	8.2
	WSW	E	ESE	ENE	SW	S	SW	WSW	WSW	WSW	WNW	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW			328(NNW)
May 19	7.9	9.1	8.3	8.0	9.3	8.6	8.2	9.7	9.7	10.5	9.8	9.3	9.6	8.7	10.1	11.4	8.4	7.6	10.1	6.6	4.9	4.3	4.8	3.5	3.5	11.4	8.3
	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N			333(NNW)
May 20	2.4	1.2	**0.0**	1.3	0.9	1.0	0.7	0.5	0.8	2.1	2.2	1.9	1.3	3.3	2.1	5.0	1.1	4.3	4.8	6.6	7.8	5.9	6.3	3.3	**0.0**	7.8	**2.8**
	NE	NNE	NNE	E	NNE	NE	ENE	ESE	E	ESE	E	NNE	SSW	WSW	SW	WNW	NNW	E	ENE	E	E	E	ESE	S			95(E)
May 21	2.4	4.0	3.4	4.5	5.6	5.6	7.0	9.1	4.4	6.0	7.1	9.6	8.1	9.4	0.4	9.1	9.9	4.5	0.9	2.6	4.1	3.5	2.8	3.6	0.4	9.9	5.3
	E	E	ESE	ESE	ESE	ESE	SE	SSE	SE	SW	SW	SW	SW	WSW	ESE	NE	NE	NE	WSW	NE	E	NNE	NNE	NNE			127(SE)
May 22	4.4	4.6	6.0	5.5	4.6	6.1	7.5	8.5	12.6	10.6	12.6	10.5	6.6	7.7	12.7	11.2	6.1	9.7	5.3	3.0	0.5	2.0	2.6	2.4	0.5	12.7	6.8
	NE	ENE	NE	ENE	N	N	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNW	N	N	NNW	NE	NNE	ENE	ENE	ENE	E			23(NNE)
May 23	2.2	4.3	3.7	2.7	1.1	0.9	2.0	6.2	4.4	2.7	4.0	6.2	4.7	2.2	3.1	4.2	3.0	4.2	8.3	9.9	10.9	8.1	7.7	5.9	0.9	10.9	4.7
	E	SE	ESE	ESE	ENE	ENE	ESE	SE	S	SSW	WSW	SW	SSW	SW	SE	SE	ESE	E	ESE	ESE	SE	ESE	ESE	ESE			135(SE)
May 24	5.9	4.8	4.5	4.6	4.5	3.9	4.7	6.4	5.8	2.5	3.7	1.7	3.8	4.2	5.9	4.4	3.4	6.8	9.8	8.5	5.3	5.8	6.3	5.7	1.7	9.8	5.1
	ESE	ESE	ESE	E	E	E	ESE	ESE	ESE	ESE	ESE	NE	S	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	ESE	ESE	ESE			121(ESE)
May 25	5.4	6.4	6.6	2.9	3.3	5.1	4.9	8.4	7.4	8.7	7.9	4.7	5.2	5.5	5.8	6.4	9.5	10.1	8.5	10.3	8.9	9.1	7.7	6.2	2.9	10.3	6.9
	ESE	ESE	ESE	E	ENE	ESE	ESE	SSE	SE	SE	ESE	E	ENE	NE	NE	NE	NE	NNE	NE	SSE	SSW	SSE	SSE	SW			108(ESE)
May 26	2.8	2.9	1.4	5.7	3.8	5.5	7.4	8.9	8.0	8.1	11.4	12.7	16.8	17.0	16.3	16.9	16.1	12.5	5.4	7.3	3.6	5.0	5.7	3.6	1.4	17.0	8.5
	S	S	E	SE	ESE	SE	SSE	SSW	SW	SSW	SW	WSW	WSW	WSW	W	W	W	W	N	E	ESE	SSE	S	SSW			231(SW)
May 27	3.1	3.1	7.4	8.5	6.6	6.9	5.9	7.7	11.2	11.0	9.0	12.9	10.7	12.9	11.5	16.0	14.1	12.4	2.7	2.2	2.6	2.3	2.2	5.9	2.2	16.0	7.9
	SE	S	SSW	SSW	SSE	SSE	SSE	S	SSW	WSW	SW	SW	SSW	SW	SW	WNW	W	W	NW	ENE	E	ESE	SSE	SE			218(SW)
May 28	6.3	3.3	7.8	6.3	7.6	7.0	7.8	12.7	13.3	13.5	13.1	14.4	13.2	9.1	8.6	10.5	10.3	5.3	3.9	6.5	6.7	0.6	1.7	1.9	0.6	14.4	8.0
	S	SSE	SSE	SSE	SSE	SSE	SSW	SW	SW	SW	SSW	SW	WSW	SW	SW	SSW	SSW	S	NNW	NW	WNW	S	ENE	N			216(SW)
May 29	1.7	5.5	4.1	7.8	6.4	7.1	7.6	9.4	10.7	14.2	12.5	8.8	7.5	12.0	12.2	13.3	8.9	7.9	7.3	6.3	6.5	9.9	10.0	8.1	1.7	14.2	8.6
	NNE	N	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	WSW	S	SSW	SW	SW			308(NW)
May 30	6.1	4.5	3.4	2.9	1.7	6.8	7.7	9.9	12.7	14.4	15.5	15.0	19.4	22.2	20.6	16.1	23.1	22.8	19.3	15.5	10.2	8.1	14.0	12.5	1.7	23.1	12.7
	SW	WSW	WSW	W	WSW	WSW	WSW	W	WSW	WSW	W	WNW	W	W	W	WSW	W	WNW	W	W	W	WNW	WNW	W			274(W)
May 31	11.6	11.4	10.0	14.3	16.0	12.0	9.3	10.5	11.7	14.0	15.9	17.5	19.5	19.4	20.5	22.6	21.3	20.0	11.8	5.9	3.2	2.8	2.3	1.9	1.9	22.6	12.7
	W	WNW	WNW	W	W	W	W	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	NNW	N	NNW	WNW	W	NW			291(WNW)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

RENO -B STATION

Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

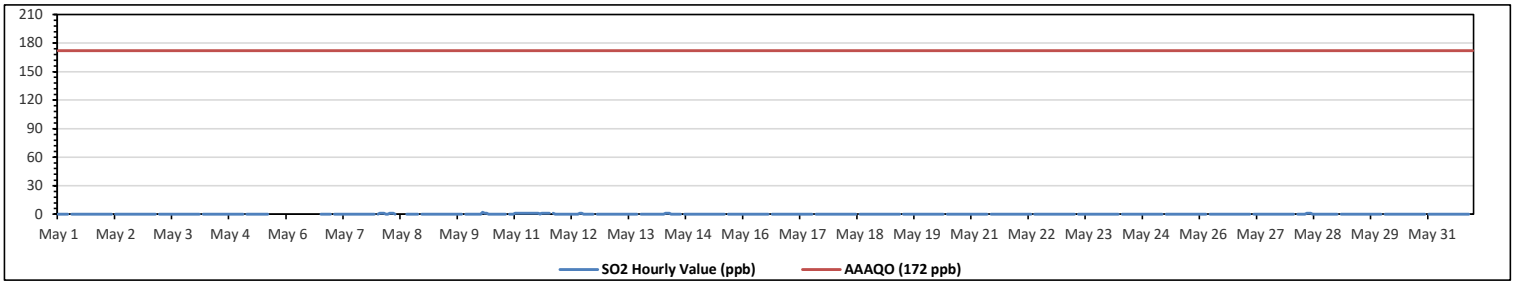
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

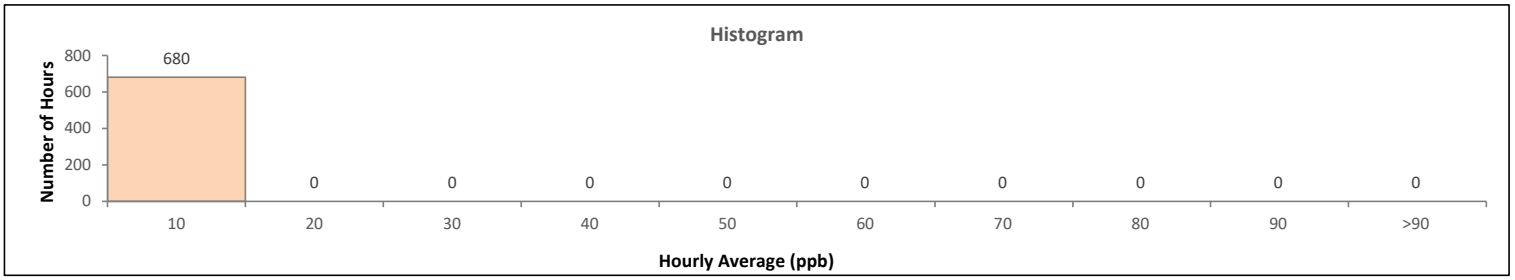
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	2	ppb	on May 10 at hr 7	Hours in Service:	744	
Maximum Daily Value:	0.8	ppb	on May 11	Hours of Data:	680	
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	26	
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	38	
Monthly Average:	0.1	ppb		Operational Uptime:	96.5	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 4	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 5	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	K	K	K	K	K	K	K	K	K	0	0	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	S	0	0	0	0	0	0	0	0	NA
May 7	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 8	0	1	1	1	0	0	1	1	1	0	C	C	C	C	C	0	0	0	0	0	0	0	S	0	0	1	0.3
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 10	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	2	0.2
May 11	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	S	1	0	0	0	0	1	**0.8**
May 12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.1
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
May 14	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.1
May 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
May 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 17	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	0	0	S	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
May 29	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 30	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	0	1	0	0	0			
Diurnal Average	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



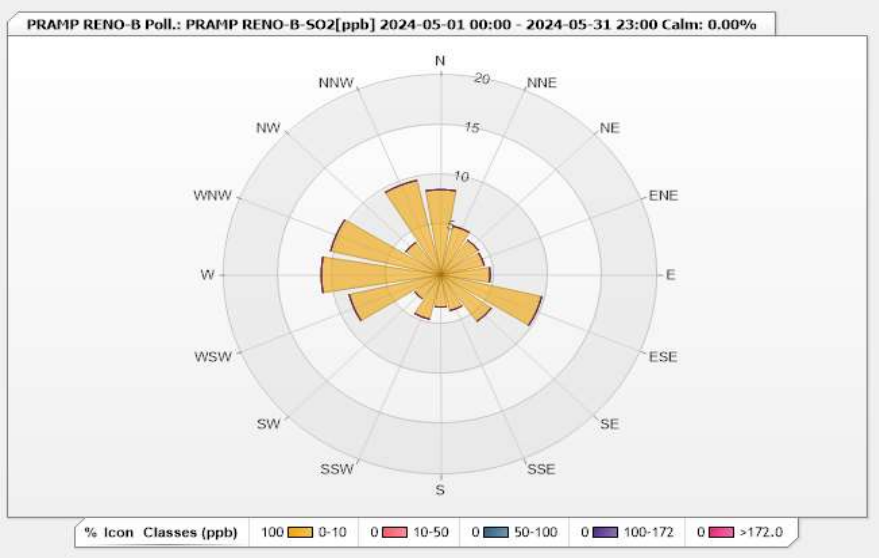


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 91.40% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	8.53	0	0	0	0	8.53
NNE	5	0	0	0	0	5
NE	4.26	0	0	0	0	4.26
ENE	4.12	0	0	0	0	4.12
E	4.56	0	0	0	0	4.56
ESE	9.56	0	0	0	0	9.56
SE	5.74	0	0	0	0	5.74
SSE	3.68	0	0	0	0	3.68
S	3.24	0	0	0	0	3.24
SSW	4.56	0	0	0	0	4.56
SW	2.94	0	0	0	0	2.94
WSW	8.68	0	0	0	0	8.68
W	11.03	0	0	0	0	11.03
WNW	10.44	0	0	0	0	10.44
NW	3.97	0	0	0	0	3.97
NNW	9.71	0	0	0	0	9.71
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

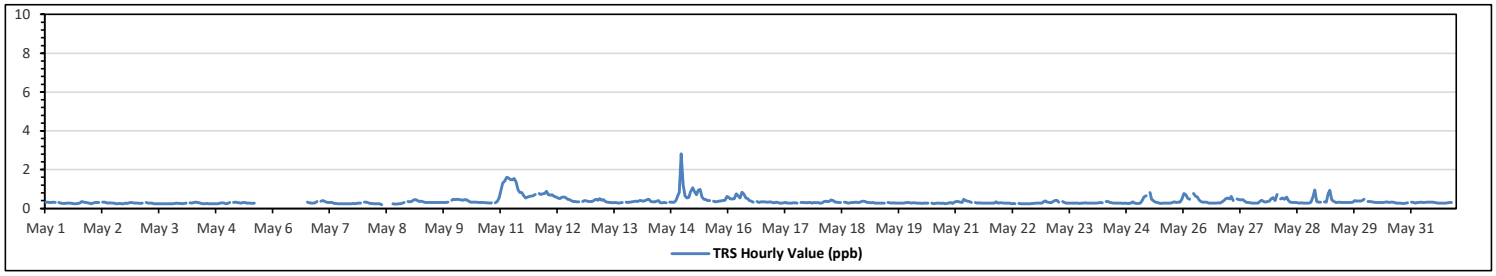
TOTAL REDUCED SULPHUR (TRS) in ppb

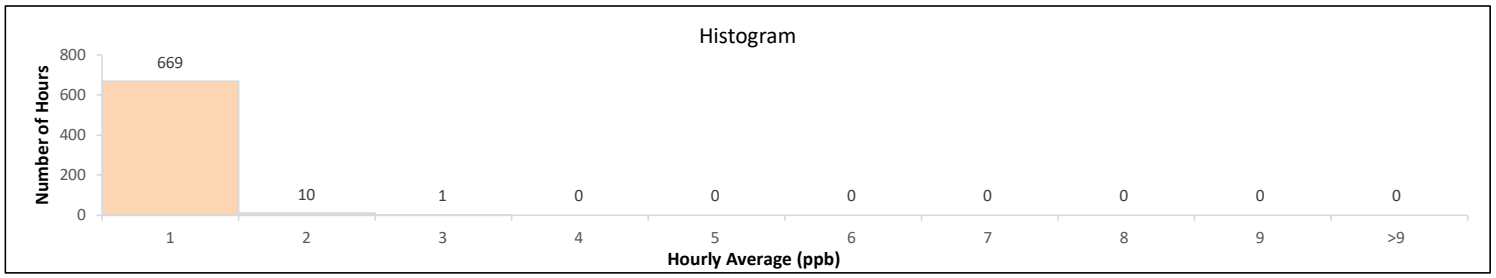
Maximum Hourly Value:	2.82	ppb	on May 14 at hr 23	Hours in Service:	744
Maximum Daily Value:	0.99	ppb	on May 11	Hours of Data:	680
Minimum Hourly Value:	0.20	ppb	on May 8 at hr 9	Hours of Missing Data:	26
Minimum Daily Value:	0.26	ppb	on May 3	Hours of Calibration:	38
Monthly Average:	0.37	ppb		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.32	0.32	0.3	0.3	0.32	0.3	S	0.3	0.28	0.26	0.26	0.28	0.28	0.27	0.26	0.25	0.25	0.26	0.27	0.35	0.33	0.31	0.29	0.28	0.25	0.35	0.29
May 2	0.25	0.28	0.3	0.3	0.31	S	0.32	0.32	0.29	0.28	0.29	0.27	0.27	0.25	0.24	0.26	0.24	0.24	0.27	0.26	0.29	0.31	0.29	0.27	0.24	0.32	0.28
May 3	0.28	0.27	0.26	0.27	S	0.31	0.27	0.27	0.28	0.25	0.25	0.24	0.25	0.24	0.25	0.25	0.25	0.25	0.24	0.25	0.26	0.27	0.26	0.26	0.24	0.31	0.26
May 4	0.25	0.26	0.28	S	0.29	0.27	0.3	0.32	0.31	0.29	0.26	0.25	0.24	0.26	0.25	0.24	0.25	0.24	0.25	0.25	0.28	0.29	0.27	0.25	0.24	0.32	0.27
May 5	0.26	0.3	S	0.31	0.32	0.31	0.29	0.28	0.3	0.31	0.28	0.27	0.27	0.26	0.27	K	K	K	K	K	K	K	K	K	0.26	0.32	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	S	0.32	0.29	0.27	0.27	0.29	0.36	0.27	0.36	NA
May 7	S	0.37	0.4	0.38	0.32	0.3	0.3	0.31	0.26	0.26	0.25	0.24	0.25	0.25	0.25	0.24	0.25	0.25	0.26	0.25	0.26	0.27	0.27	S	0.24	0.40	0.28
May 8	0.32	0.33	0.29	0.26	0.26	0.24	0.25	0.24	0.23	0.2	C	C	C	C	C	0.23	0.22	0.22	0.24	0.25	0.27	0.31	S	0.36	0.20	0.36	0.26
May 9	0.34	0.37	0.44	0.45	0.42	0.36	0.38	0.34	0.31	0.3	0.3	0.3	0.3	0.3	0.3	0.31	0.3	0.3	0.3	0.31	0.32	S	0.43	0.47	0.30	0.47	0.35
May 10	0.45	0.47	0.46	0.44	0.43	0.45	0.44	0.37	0.33	0.32	0.32	0.32	0.31	0.31	0.31	0.3	0.29	0.29	0.28	0.29	S	0.29	0.36	0.54	0.28	0.54	0.36
May 11	0.96	1.29	1.43	1.61	1.56	1.49	1.49	1.54	1.36	0.97	0.82	0.82	0.65	0.53	0.58	0.62	0.64	0.65	0.72	S	0.78	0.71	0.75	0.76	0.53	1.61	**0.99**
May 12	0.88	0.7	0.68	0.7	0.62	0.6	0.54	0.5	0.57	0.6	0.57	0.48	0.45	0.4	0.36	0.36	0.34	0.34	S	0.35	0.4	0.39	0.35	0.36	0.34	0.88	0.50
May 13	0.36	0.41	0.47	0.43	0.5	0.43	0.45	0.36	0.33	0.3	0.3	0.29	0.3	0.29	0.28	0.29	0.3	S	0.32	0.31	0.32	0.34	0.36	0.37	0.28	0.50	0.35
May 14	0.35	0.41	0.42	0.38	0.42	0.45	0.48	0.36	0.34	0.34	0.37	0.4	0.29	0.29	0.3	0.29	S	0.33	0.32	0.31	0.39	0.64	0.83	**2.82**	0.29	**2.82**	0.50
May 15	1.23	0.64	0.53	0.57	0.85	1.07	0.86	0.7	0.93	0.98	0.58	0.47	0.45	0.4	0.4	S	0.37	0.34	0.35	0.38	0.39	0.41	0.43	0.62	0.34	1.23	0.61
May 16	0.57	0.49	0.49	0.5	0.75	0.66	0.54	0.83	0.74	0.53	0.5	0.42	0.38	0.32	S	0.36	0.31	0.34	0.34	0.34	0.32	0.33	0.34	0.3	0.30	0.83	0.47
May 17	0.29	0.32	0.31	0.28	0.28	0.29	0.3	0.28	0.28	0.28	0.29	0.29	0.27	S	0.31	0.3	0.3	0.29	0.3	0.3	0.28	0.3	0.29	0.3	0.27	0.32	0.29
May 18	0.28	0.28	0.34	0.37	0.36	0.36	0.44	0.42	0.33	0.33	0.3	0.3	S	0.32	0.3	0.28	0.29	0.3	0.31	0.33	0.3	0.31	0.35	0.37	0.28	0.44	0.33
May 19	0.35	0.31	0.3	0.29	0.3	0.28	0.28	0.28	0.28	0.28	0.28	S	0.3	0.29	0.28	0.29	0.28	0.28	0.28	0.28	0.28	0.29	0.3	0.31	0.28	0.35	0.29
May 20	0.28	0.29	0.29	0.28	0.27	0.27	0.26	0.27	0.27	0.27	S	0.27	0.25	0.26	0.27	0.27	0.26	0.27	0.25	0.26	0.28	0.3	0.26	0.33	0.25	0.33	0.27
May 21	0.35	0.35	0.32	0.3	0.47	0.42	0.38	0.35	0.31	S	0.3	0.28	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.34	0.28	0.29	0.28	0.47	0.32
May 22	0.29	0.28	0.28	0.27	0.28	0.25	0.26	0.25	S	0.26	0.25	0.25	0.24	0.25	0.25	0.24	0.26	0.26	0.27	0.27	0.27	0.27	0.34	0.39	0.24	0.39	0.27
May 23	0.32	0.3	0.29	0.36	0.42	0.43	0.33	S	0.35	0.3	0.28	0.28	0.27	0.28	0.28	0.28	0.27	0.26	0.28	0.28	0.29	0.28	0.28	0.27	0.26	0.43	0.30
May 24	0.28	0.28	0.28	0.29	0.3	0.29	S	0.35	0.36	0.31	0.29	0.28	0.27	0.27	0.27	0.27	0.26	0.27	0.26	0.26	0.28	0.34	0.27	0.26	0.26	0.36	0.29
May 25	0.26	0.28	0.39	0.6	0.65	S	0.82	0.47	0.39	0.33	0.3	0.28	0.26	0.27	0.27	0.27	0.27	0.28	0.3	0.34	0.31	0.32	0.33	0.49	0.26	0.82	0.37
May 26	0.78	0.7	0.52	0.48	S	0.76	0.64	0.6	0.43	0.35	0.33	0.33	0.33	0.28	0.28	0.27	0.27	0.28	0.29	0.28	0.32	0.4	0.5	0.54	0.27	0.78	0.43
May 27	0.49	0.62	0.41	S	0.49	0.46	0.44	0.45	0.38	0.3	0.3	0.29	0.28	0.27	0.28	0.28	0.36	0.43	0.35	0.32	0.35	0.38	0.5	0.56	0.27	0.62	0.39
May 28	0.42	0.71	S	0.49	0.54	0.47	0.58	0.43	0.32	0.3	0.3	0.3	0.29	0.28	0.29	0.28	0.27	0.27	0.28	0.33	0.58	0.94	0.35	0.33	0.27	0.94	0.41
May 29	0.33	S	0.34	0.33	0.77	0.93	0.44	0.36	0.31	0.31	0.33	0.31	0.31	0.3	0.31	0.31	0.31	0.32	0.4	0.38	0.39	0.37	0.4	0.47	0.30	0.93	0.39
May 30	S	0.36	0.35	0.34	0.33	0.3	0.3	0.3	0.3	0.31	0.33	0.34	0.31	0.33	0.32	0.31	0.28	0.28	0.27	0.26	0.26	0.27	0.29	S	0.26	0.36	0.31
May 31	0.33	0.31	0.28	0.31	0.31	0.32	0.3	0.3	0.33	0.33	0.32	0.32	0.31	0.29	0.28	0.28	0.28	0.28	0.27	0.29	0.3	0.31	S	0.31	0.27	0.33	0.30
Diurnal Maximum	1.23	1.29	1.43	1.61	1.56	1.49	1.49	1.54	1.36	0.98	0.82	0.82	0.65	0.53	0.58	0.62	0.64	0.65	0.72	0.38	0.78	0.94	0.83	2.82			
Diurnal Average	0.42	0.42	0.41	0.42	0.47	0.47	0.45	0.42	0.40	0.36	0.34	0.33	0.31	0.30	0.30	0.29	0.29	0.30	0.31	0.30	0.33	0.36	0.37	0.47			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



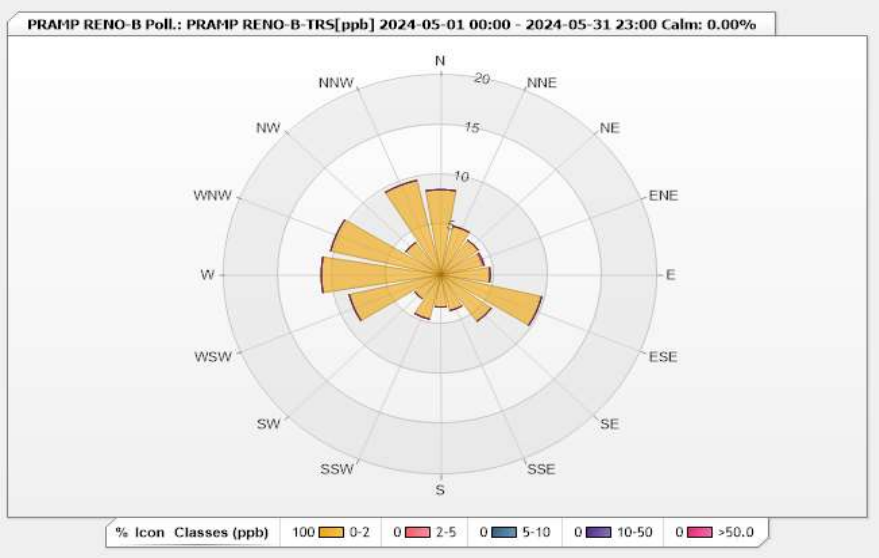


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 91.40% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	8.53	0	0	0	0	8.53
NNE	5	0	0	0	0	5
NE	4.26	0	0	0	0	4.26
ENE	3.97	0.15	0	0	0	4.12
E	4.56	0	0	0	0	4.56
ESE	9.56	0	0	0	0	9.56
SE	5.74	0	0	0	0	5.74
SSE	3.68	0	0	0	0	3.68
S	3.24	0	0	0	0	3.24
SSW	4.56	0	0	0	0	4.56
SW	2.94	0	0	0	0	2.94
WSW	8.68	0	0	0	0	8.68
W	11.03	0	0	0	0	11.03
WNW	10.44	0	0	0	0	10.44
NW	3.97	0	0	0	0	3.97
NNW	9.71	0	0	0	0	9.71
Summary	100	0.15	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

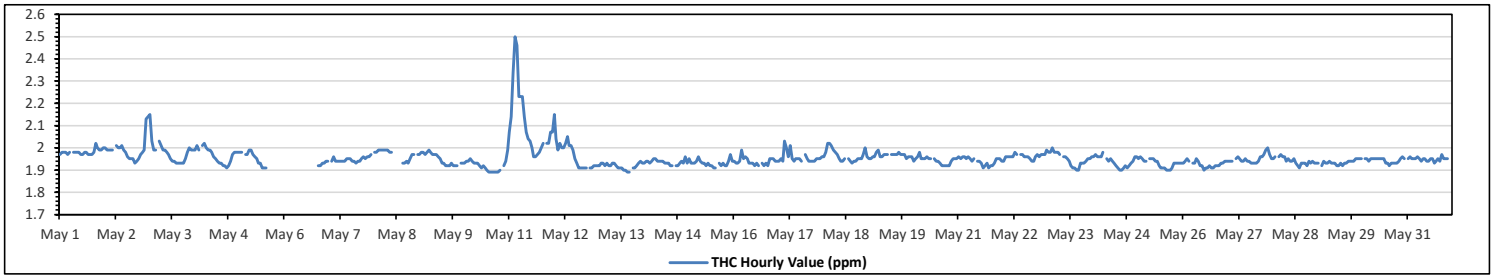
TOTAL HYDROCARBONS (THC) in ppm

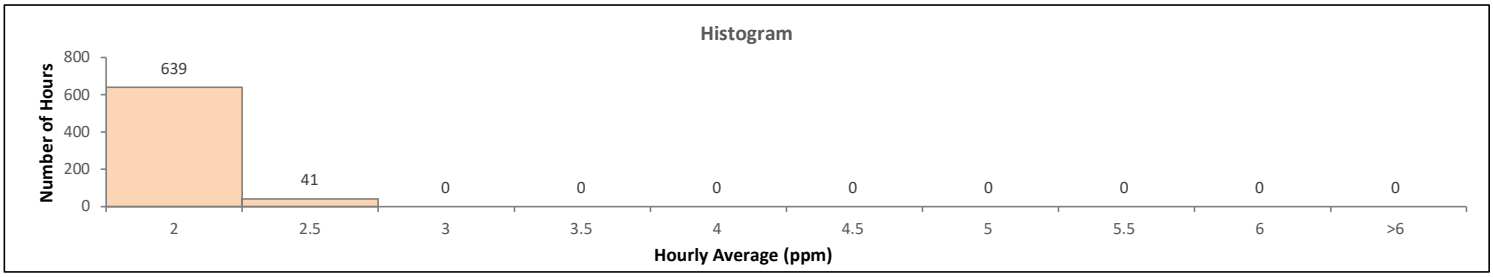
Maximum Hourly Value:	2.50	ppm	on May 11 at hr 3	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on May 11	Hours of Data:	680
Minimum Hourly Value:	1.89	ppm	on May 10 at hr 13	Hours of Missing Data:	26
Minimum Daily Value:	1.92	ppm	on May 13	Hours of Calibration:	38
Monthly Average:	1.95	ppm		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.97	1.98	1.98	1.98	1.97	1.98	S	1.98	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	2.02	2.00	1.99	1.99	2.00	1.97	2.02	1.98
May 2	2.00	1.99	1.99	1.99	1.99	S	2.01	2.00	2.00	2.01	1.99	1.98	1.96	1.95	1.95	1.95	1.93	1.94	1.95	1.97	1.98	1.99	2.13	2.14	1.93	2.14	1.99
May 3	2.15	2.03	1.99	1.99	S	2.03	2.01	1.99	1.99	1.98	1.97	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.95	1.98	2.00	1.99	1.99	1.93	2.15	1.98
May 4	1.99	2.01	1.99	S	2.01	2.02	2.00	1.99	1.99	1.98	1.96	1.95	1.94	1.93	1.93	1.92	1.92	1.91	1.92	1.94	1.97	1.98	1.98	1.98	1.91	2.02	1.97
May 5	1.98	1.98	S	1.97	1.97	1.99	1.99	1.97	1.96	1.95	1.93	1.93	1.91	1.91	1.91	K	K	K	K	K	K	K	K	K	1.91	1.99	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	S	1.92	1.92	1.93	1.93	1.94	1.94	1.92	1.94	NA
May 7	S	1.94	1.96	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.94	1.94	1.93	1.94	1.94	1.95	1.96	1.95	1.96	1.96	1.97	S	1.93	1.97	1.95
May 8	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	C	C	C	C	C	1.93	1.93	1.94	1.93	1.95	1.97	1.97	S	1.97	1.93	1.99	1.97
May 9	1.97	1.98	1.98	1.97	1.98	1.99	1.98	1.97	1.97	1.97	1.96	1.95	1.93	1.93	1.92	1.92	1.92	1.93	1.92	1.92	1.92	S	1.93	1.93	1.92	1.99	1.95
May 10	1.93	1.94	1.94	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.92	1.91	1.90	1.89	1.89	1.89	1.89	1.89	1.89	1.90	S	1.92	1.94	1.99	1.89	1.99	1.92
May 11	2.07	2.14	2.34	**2.50**	2.46	2.23	2.23	2.23	2.14	2.07	2.04	2.03	2.00	1.96	1.96	1.97	1.98	2.00	2.02	S	2.02	2.02	2.07	2.07	1.96	**2.50**	**2.11**
May 12	2.15	2.04	1.99	2.02	2.00	2.00	2.02	2.05	2.01	2.01	1.99	1.95	1.93	1.91	1.91	1.91	1.91	1.91	S	1.91	1.91	1.92	1.92	1.92	1.91	2.15	1.97
May 13	1.92	1.93	1.93	1.92	1.93	1.92	1.92	1.93	1.93	1.92	1.91	1.91	1.91	1.90	1.90	1.89	1.89	S	1.91	1.91	1.92	1.93	1.94	1.93	1.89	1.94	1.92
May 14	1.93	1.94	1.94	1.93	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.92	1.92	S	1.92	1.92	1.93	1.94	1.93	1.96	1.93	1.92	1.96	1.93
May 15	1.95	1.93	1.93	1.93	1.94	1.96	1.94	1.93	1.93	1.92	1.93	1.92	1.92	1.91	1.91	S	1.93	1.92	1.93	1.92	1.92	1.94	1.97	1.94	1.91	1.97	1.93
May 16	1.94	1.93	1.93	1.94	1.99	1.95	1.96	1.95	1.93	1.93	1.93	1.92	1.93	1.92	S	1.93	1.92	1.93	1.92	1.95	1.95	1.95	1.94	1.94	1.92	1.99	1.94
May 17	1.94	1.95	1.94	2.03	2.00	1.96	2.01	1.95	1.94	1.95	1.95	1.95	1.94	S	1.97	1.95	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	1.94	2.03	1.96
May 18	1.96	1.98	2.02	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.94	1.95	S	1.95	1.94	1.93	1.94	1.94	1.95	1.95	1.95	1.97	2.00	1.96	1.93	2.02	1.96
May 19	1.95	1.95	1.96	1.96	1.98	1.99	1.96	1.96	1.97	1.97	1.97	S	1.97	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.95	1.96	1.96	1.96	1.95	1.99	1.97
May 20	1.94	1.95	1.96	1.98	1.95	1.95	1.95	1.96	1.95	1.95	S	1.95	1.94	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.94	1.95	1.95	1.95	1.92	1.98	1.94
May 21	1.96	1.95	1.96	1.96	1.95	1.96	1.95	1.94	1.95	S	1.94	1.94	1.93	1.91	1.92	1.93	1.91	1.92	1.92	1.93	1.95	1.95	1.95	1.94	1.91	1.96	1.94
May 22	1.94	1.96	1.96	1.96	1.96	1.96	1.98	1.97	S	1.97	1.97	1.96	1.96	1.96	1.95	1.94	1.94	1.96	1.97	1.96	1.97	1.97	1.97	1.99	1.94	1.99	1.96
May 23	1.98	1.98	2.00	1.98	1.98	1.98	1.97	S	1.96	1.96	1.95	1.94	1.92	1.91	1.91	1.90	1.90	1.93	1.93	1.93	1.94	1.95	1.95	1.96	1.90	2.00	1.95
May 24	1.96	1.97	1.96	1.96	1.96	1.98	S	1.95	1.94	1.95	1.94	1.93	1.92	1.91	1.90	1.90	1.91	1.92	1.91	1.92	1.93	1.94	1.96	1.96	1.90	1.98	1.94
May 25	1.95	1.96	1.95	1.94	1.94	S	1.95	1.95	1.95	1.94	1.94	1.92	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.93	1.93	1.93	1.93	1.93	1.90	1.96	1.93
May 26	1.93	1.94	1.95	1.94	S	1.93	1.93	1.95	1.94	1.92	1.92	1.90	1.91	1.91	1.92	1.91	1.91	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.90	1.95	1.93
May 27	1.94	1.94	1.94	S	1.95	1.96	1.95	1.94	1.94	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.96	1.96	1.97	1.99	2.00	1.97	1.95	1.93	2.00	1.95
May 28	1.95	1.96	S	1.96	1.97	1.96	1.96	1.94	1.95	1.94	1.94	1.95	1.93	1.92	1.91	1.93	1.93	1.93	1.92	1.94	1.93	1.94	1.93	1.93	1.91	1.97	1.94
May 29	1.93	S	1.92	1.94	1.93	1.93	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.92	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.92	1.95	1.93
May 30	S	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.93	1.93	1.92	1.93	1.93	1.93	1.93	1.94	1.95	1.96	1.95	S	1.92	1.96	1.94
May 31	1.95	1.96	1.95	1.95	1.95	1.96	1.95	1.94	1.95	1.95	1.94	1.94	1.95	1.95	1.93	1.94	1.95	1.94	1.97	1.95	1.95	1.95	S	1.97	1.93	1.97	1.95
Diurnal Maximum	2.15	2.14	2.34	2.50	2.46	2.23	2.23	2.23	2.14	2.07	2.04	2.03	2.00	1.98	1.98	1.97	1.98	2.00	2.02	2.02	2.02	2.02	2.13	2.14			
Diurnal Average	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.96	1.96	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.97			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



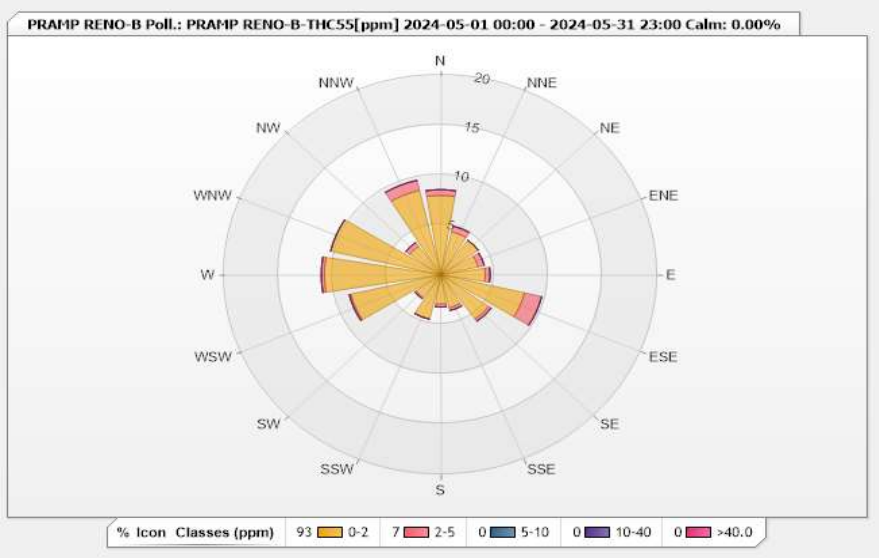


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 91.40% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	7.94	0.59	0	0	0	8.53
NNE	4.41	0.59	0	0	0	5
NE	4.26	0	0	0	0	4.26
ENE	3.53	0.59	0	0	0	4.12
E	4.12	0.44	0	0	0	4.56
ESE	7.94	1.62	0	0	0	9.56
SE	5.44	0.29	0	0	0	5.73
SSE	3.38	0.29	0	0	0	3.67
S	2.94	0.29	0	0	0	3.23
SSW	4.56	0	0	0	0	4.56
SW	2.79	0.15	0	0	0	2.94
WSW	8.53	0.15	0	0	0	8.68
W	10.74	0.29	0	0	0	11.03
WNW	10.44	0	0	0	0	10.44
NW	3.53	0.44	0	0	0	3.97
NNW	8.68	1.03	0	0	0	9.71
Summary	93.23	6.76	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

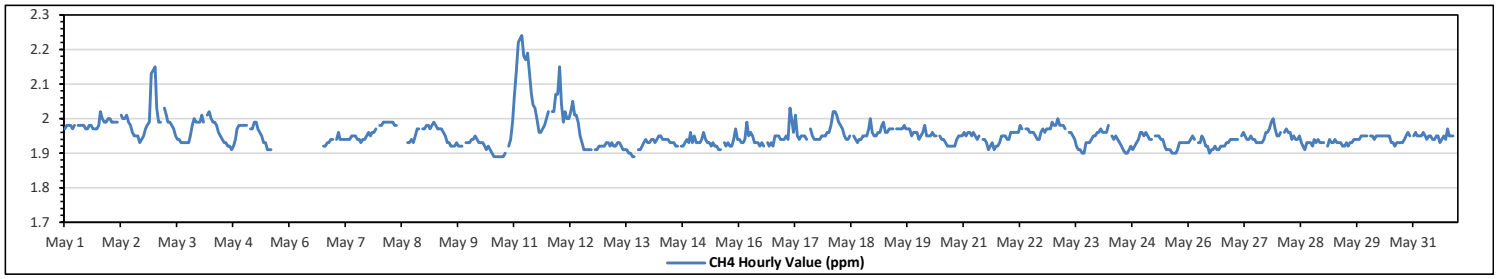
METHANE (CH4) in ppm

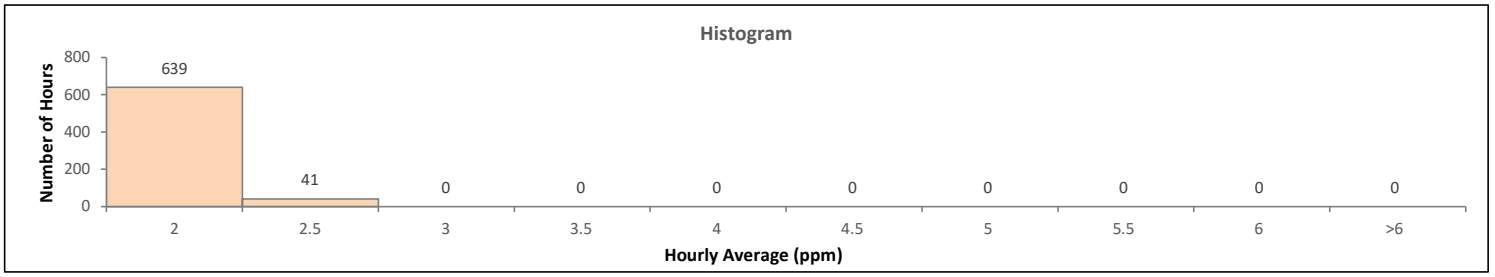
Maximum Hourly Value:	2.24	ppm	on May 11 at hr 4	Hours in Service:	744
Maximum Daily Value:	2.08	ppm	on May 11	Hours of Data:	680
Minimum Hourly Value:	1.89	ppm	on May 10 at hr 13	Hours of Missing Data:	26
Minimum Daily Value:	1.92	ppm	on May 13	Hours of Calibration:	38
Monthly Average:	1.95	ppm		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.97	1.98	1.98	1.98	1.97	1.98	S	1.98	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	2.02	2.00	1.99	1.99	2.00	1.97	2.02	1.98
May 2	2.00	1.99	1.99	1.99	1.99	S	2.01	2.00	2.00	2.01	1.99	1.98	1.96	1.95	1.95	1.95	1.93	1.94	1.95	1.97	1.98	1.99	2.13	2.14	1.93	2.14	1.99
May 3	2.15	2.03	1.99	1.99	S	2.03	2.01	1.99	1.99	1.98	1.97	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.95	1.98	2.00	1.99	1.99	1.93	2.15	1.98
May 4	1.99	2.01	1.99	S	2.01	2.02	2.00	1.99	1.99	1.98	1.96	1.95	1.94	1.93	1.93	1.92	1.92	1.91	1.92	1.94	1.97	1.98	1.98	1.98	1.91	2.02	1.97
May 5	1.98	1.98	S	1.97	1.97	1.99	1.99	1.97	1.96	1.95	1.93	1.93	1.91	1.91	1.91	K	K	K	K	K	K	K	K	K	1.91	1.99	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	S	1.92	1.92	1.93	1.93	1.94	1.94	1.92	1.94	NA
May 7	S	1.94	1.96	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.94	1.94	1.93	1.94	1.94	1.95	1.96	1.95	1.96	1.96	1.97	S	1.93	1.97	1.95
May 8	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	C	C	C	C	C	1.93	1.93	1.94	1.93	1.95	1.97	1.97	S	1.97	1.93	1.99	1.97
May 9	1.97	1.98	1.98	1.97	1.98	1.99	1.98	1.97	1.97	1.97	1.96	1.95	1.93	1.93	1.92	1.92	1.92	1.93	1.92	1.92	1.92	S	1.93	1.93	1.92	1.99	1.95
May 10	1.93	1.94	1.94	1.95	1.94	1.93	1.93	1.93	1.92	1.91	1.92	1.91	1.90	1.89	1.89	1.89	1.89	1.89	1.89	1.90	S	1.92	1.94	1.99	1.89	1.99	1.92
May 11	2.07	2.14	2.22	2.23	**2.24**	2.18	2.17	2.19	2.13	2.07	2.04	2.03	2.00	1.96	1.96	1.97	1.98	2.00	2.02	S	2.02	2.02	2.07	2.07	1.96	**2.24**	**2.08**
May 12	2.15	2.04	1.99	2.02	2.00	2.00	2.02	2.05	2.01	2.01	1.99	1.95	1.93	1.91	1.91	1.91	1.91	1.91	S	1.91	1.91	1.92	1.92	1.92	1.91	2.15	1.97
May 13	1.92	1.93	1.93	1.92	1.93	1.92	1.92	1.93	1.93	1.92	1.91	1.91	1.91	1.90	1.90	1.89	1.89	S	1.91	1.91	1.92	1.93	1.94	1.93	1.89	1.94	1.92
May 14	1.93	1.94	1.94	1.93	1.94	1.95	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.92	1.92	S	1.92	1.92	1.93	1.94	1.93	1.96	1.93	1.92	1.96	1.93
May 15	1.95	1.93	1.93	1.93	1.94	1.96	1.94	1.93	1.93	1.92	1.93	1.92	1.92	1.91	1.91	S	1.93	1.92	1.93	1.92	1.92	1.94	1.97	1.94	1.91	1.97	1.93
May 16	1.94	1.93	1.93	1.94	1.99	1.95	1.96	1.95	1.93	1.93	1.93	1.92	1.93	1.92	S	1.93	1.92	1.93	1.92	1.95	1.95	1.95	1.94	1.94	1.92	1.99	1.94
May 17	1.94	1.95	1.94	2.03	2.00	1.96	2.01	1.95	1.94	1.95	1.95	1.95	1.94	S	1.97	1.95	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	1.94	2.03	1.96
May 18	1.96	1.98	2.02	2.02	2.01	1.99	1.98	1.97	1.95	1.94	1.94	1.95	S	1.95	1.94	1.93	1.94	1.94	1.95	1.95	1.95	1.97	2.00	1.96	1.93	2.02	1.96
May 19	1.95	1.95	1.96	1.96	1.98	1.99	1.96	1.96	1.97	1.97	1.97	S	1.97	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.95	1.96	1.96	1.96	1.95	1.99	1.97
May 20	1.94	1.95	1.96	1.98	1.95	1.95	1.95	1.96	1.95	1.95	S	1.95	1.94	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.94	1.95	1.95	1.95	1.92	1.98	1.94
May 21	1.96	1.95	1.96	1.96	1.95	1.96	1.95	1.94	1.95	S	1.94	1.94	1.93	1.91	1.92	1.93	1.91	1.92	1.92	1.93	1.95	1.95	1.95	1.94	1.91	1.96	1.94
May 22	1.94	1.96	1.96	1.96	1.96	1.96	1.98	1.97	S	1.97	1.97	1.96	1.96	1.96	1.95	1.94	1.94	1.96	1.97	1.96	1.97	1.97	1.97	1.99	1.94	1.99	1.96
May 23	1.98	1.98	2.00	1.98	1.98	1.98	1.97	S	1.96	1.96	1.95	1.94	1.92	1.91	1.91	1.90	1.90	1.93	1.93	1.93	1.94	1.95	1.95	1.96	1.90	2.00	1.95
May 24	1.96	1.97	1.96	1.96	1.96	1.98	S	1.95	1.94	1.95	1.94	1.93	1.92	1.91	1.90	1.90	1.91	1.92	1.91	1.92	1.93	1.94	1.96	1.96	1.90	1.98	1.94
May 25	1.95	1.96	1.95	1.94	1.94	S	1.95	1.95	1.95	1.94	1.94	1.92	1.91	1.91	1.91	1.90	1.90	1.90	1.91	1.93	1.93	1.93	1.93	1.93	1.90	1.96	1.93
May 26	1.93	1.94	1.95	1.94	S	1.93	1.93	1.95	1.94	1.92	1.92	1.90	1.91	1.91	1.92	1.91	1.91	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.90	1.95	1.93
May 27	1.94	1.94	1.94	S	1.95	1.96	1.95	1.94	1.94	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.96	1.96	1.97	1.99	2.00	1.97	1.95	1.93	2.00	1.95
May 28	1.95	1.96	S	1.96	1.97	1.96	1.96	1.94	1.95	1.94	1.94	1.95	1.93	1.92	1.91	1.93	1.93	1.93	1.92	1.94	1.93	1.94	1.93	1.93	1.91	1.97	1.94
May 29	1.93	S	1.92	1.94	1.93	1.93	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.92	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.95	1.92	1.95	1.93
May 30	S	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.93	1.93	1.92	1.93	1.93	1.93	1.93	1.94	1.95	1.96	1.95	S	1.92	1.96	1.94
May 31	1.95	1.96	1.95	1.95	1.95	1.96	1.95	1.94	1.95	1.95	1.94	1.94	1.95	1.95	1.93	1.94	1.95	1.94	1.97	1.95	1.95	1.95	S	1.97	1.93	1.97	1.95
Diurnal Maximum	2.15	2.14	2.22	2.23	2.24	2.18	2.17	2.19	2.13	2.07	2.04	2.03	2.00	1.98	1.98	1.97	1.98	2.00	2.02	2.02	2.02	2.02	2.13	2.14			
Diurnal Average	1.97	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.96	1.96	1.95	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.97			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



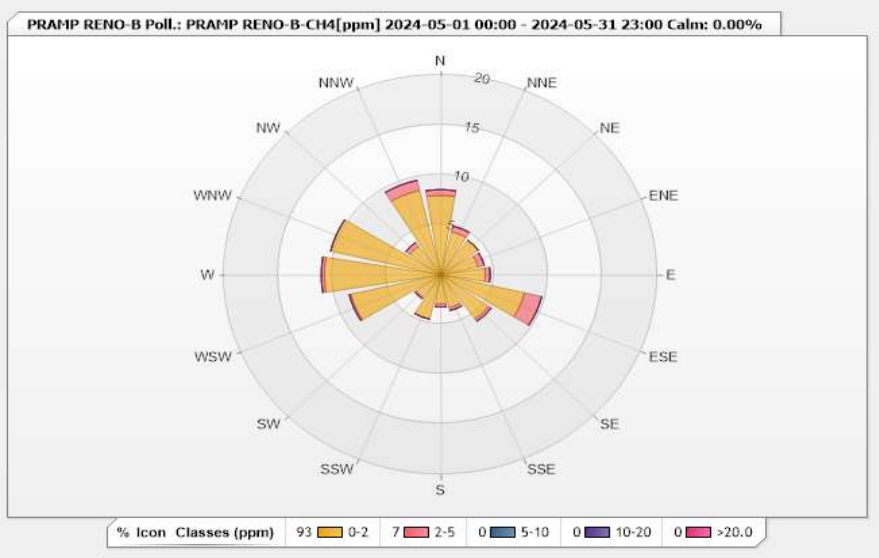


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 91.40% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	7.94	0.59	0	0	0	8.53
NNE	4.41	0.59	0	0	0	5
NE	4.26	0	0	0	0	4.26
ENE	3.53	0.59	0	0	0	4.12
E	4.12	0.44	0	0	0	4.56
ESE	7.94	1.62	0	0	0	9.56
SE	5.44	0.29	0	0	0	5.73
SSE	3.38	0.29	0	0	0	3.67
S	2.94	0.29	0	0	0	3.23
SSW	4.56	0	0	0	0	4.56
SW	2.79	0.15	0	0	0	2.94
WSW	8.53	0.15	0	0	0	8.68
W	10.74	0.29	0	0	0	11.03
WNW	10.44	0	0	0	0	10.44
NW	3.53	0.44	0	0	0	3.97
NNW	8.68	1.03	0	0	0	9.71
Summary	93.23	6.76	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

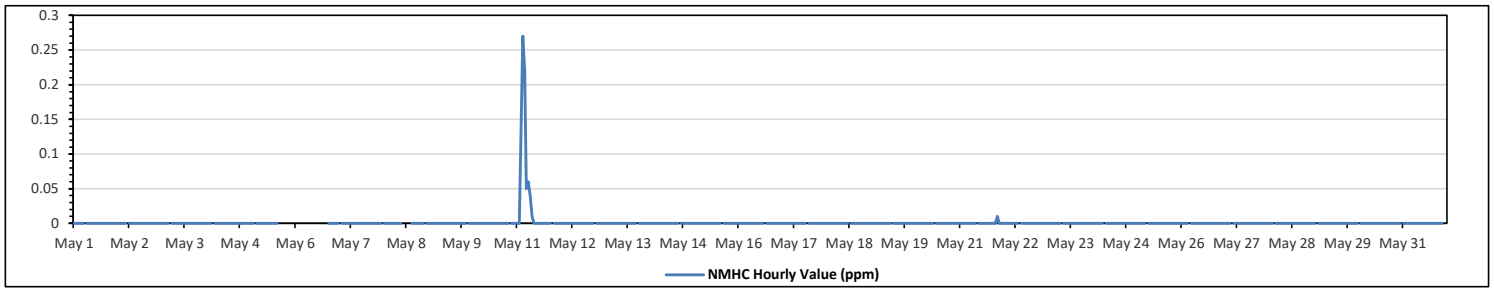
NON-METHANE HYDROCARBONS (NMHC) in ppm

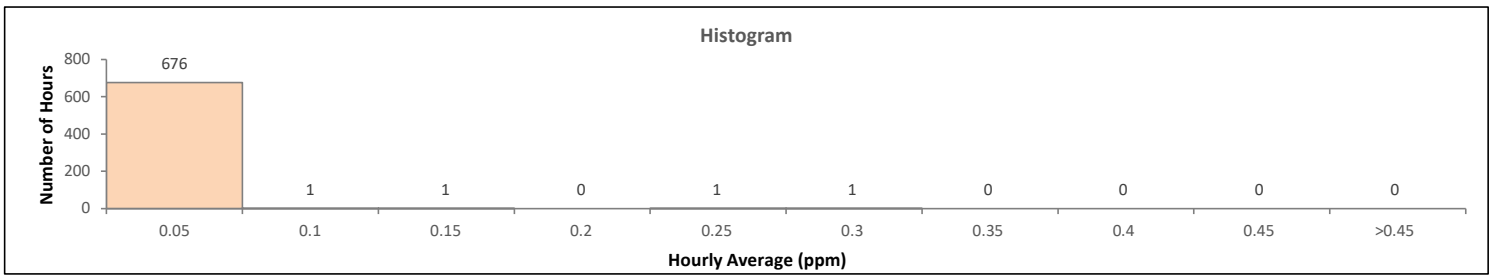
Maximum Hourly Value:	0.27	ppm	on May 11 at hr 3	Hours in Service:	744
Maximum Daily Value:	0.03	ppm	on May 11	Hours of Data:	680
Minimum Hourly Value:	0.00	ppm	on May 1 at hr 0	Hours of Missing Data:	26
Minimum Daily Value:	0.00	ppm	on May 1	Hours of Calibration:	38
Monthly Average:	0.00	ppm		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 2	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 3	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 4	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 5	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	K	K	K	K	K	K	K	K	K	0.00	0.00	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
May 7	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
May 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
May 11	0.00	0.00	0.12	**0.27**	0.22	0.05	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	**0.27**	**0.03**
May 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00
May 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 24	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 25	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 26	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 27	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 28	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 29	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 30	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.12	0.27	0.22	0.05	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



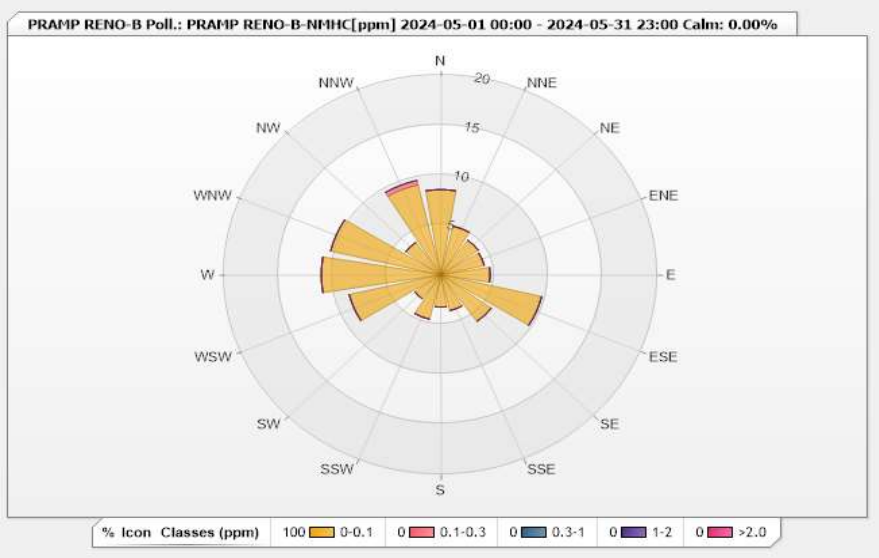


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 91.40% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	8.53	0	0	0	0	8.53
NNE	5	0	0	0	0	5
NE	4.26	0	0	0	0	4.26
ENE	4.12	0	0	0	0	4.12
E	4.56	0	0	0	0	4.56
ESE	9.56	0	0	0	0	9.56
SE	5.74	0	0	0	0	5.74
SSE	3.68	0	0	0	0	3.68
S	3.24	0	0	0	0	3.24
SSW	4.56	0	0	0	0	4.56
SW	2.94	0	0	0	0	2.94
WSW	8.68	0	0	0	0	8.68
W	11.03	0	0	0	0	11.03
WNW	10.44	0	0	0	0	10.44
NW	3.97	0	0	0	0	3.97
NNW	9.26	0.44	0	0	0	9.7
Summary	100	0.44	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

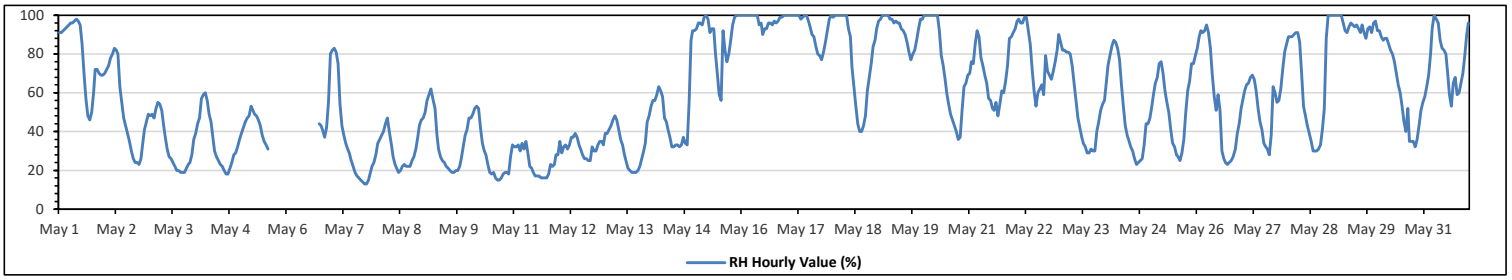
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on May 15 at hr 5	Hours in Service:	744
Maximum Daily Value:	97.6	%	on May 16	Hours of Data:	718
Minimum Hourly Value:	13	%	on May 7 at hr 17	Hours of Missing Data:	26
Minimum Daily Value:	24.0	%	on May 11	Hours of Calibration:	0
Monthly Average:	58.3	%		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	91	91	92	93	94	95	96	96	97	98	97	95	85	70	57	48	46	50	60	72	72	70	69	69	46	98	79.3
May 2	70	72	74	78	80	83	82	80	63	55	47	43	39	35	30	26	24	24	23	26	33	41	45	49	23	83	50.9
May 3	48	49	47	52	55	54	51	43	37	31	27	26	24	22	20	20	19	19	19	21	23	24	28	36	19	55	33.1
May 4	39	44	47	57	59	60	56	49	45	38	30	27	25	23	22	20	18	18	21	24	28	29	32	36	18	60	35.3
May 5	39	42	45	47	48	53	51	49	48	46	43	38	35	33	31	K	K	K	K	K	K	K	K	K	31	53	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	44	43	40	37	42	55	80	37	80	NA
May 7	82	83	81	75	54	43	38	34	31	29	25	22	19	17	16	15	14	**13**	**13**	15	19	22	24	28	**13**	83	33.8
May 8	34	36	38	40	44	47	40	34	27	23	21	19	20	22	23	22	22	22	25	27	31	37	43	46	19	47	31.0
May 9	47	50	56	59	62	57	52	38	31	27	25	24	22	21	20	19	19	20	20	22	26	32	38	41	19	62	34.5
May 10	47	47	49	52	53	52	42	34	30	28	23	19	18	19	16	15	15	16	18	19	19	18	27	33	15	53	29.5
May 11	32	32	33	30	34	31	35	29	22	21	19	17	17	17	16	16	16	16	18	23	22	23	28	28	16	35	**24.0**
May 12	35	29	32	33	31	33	37	37	39	37	33	31	28	26	26	25	25	32	30	30	33	35	35	33	25	39	31.9
May 13	39	39	41	43	46	48	46	41	36	33	28	24	21	20	19	19	19	20	22	26	30	34	45	48	19	48	32.8
May 14	53	56	56	59	63	61	58	47	45	41	37	32	32	33	33	32	33	37	34	33	55	87	92	92	32	92	50.0
May 15	93	96	96	95	99	**100**	98	91	93	93	81	70	59	56	92	82	76	80	87	95	99	**100**	**100**	**100**	56	**100**	88.8
May 16	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	95	96	90	93	93	96	96	95	97	96	97	99	99	**100**	**100**	90	**100**	**97.6**
May 17	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	99	**100**	**100**	97	94	90	89	84	80	79	77	81	86	92	98	**100**	77	**100**	93.5
May 18	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	93	89	73	63	53	44	40	40	43	48	61	68	75	84	87	93	40	**100**	77.2
May 19	97	98	**100**	**100**	**100**	**100**	98	98	96	97	96	96	93	92	90	86	81	77	80	82	87	93	98	98	77	**100**	93.0
May 20	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	92	79	74	67	60	54	49	46	43	40	36	37	51	63	65	69	36	**100**	71.9
May 21	70	76	75	85	92	89	78	74	69	65	57	56	52	51	55	48	54	61	60	66	74	88	89	91	48	92	69.8
May 22	93	97	98	96	96	99	99	92	85	72	61	53	60	62	64	59	79	71	69	67	71	76	82	90	53	99	78.8
May 23	86	82	82	81	81	80	74	65	56	47	42	37	34	32	29	29	31	30	30	40	45	51	54	56	29	86	53.1
May 24	64	74	79	84	87	86	83	77	64	53	43	38	35	32	30	26	23	24	25	26	33	44	44	47	23	87	50.9
May 25	53	59	65	68	75	76	70	61	55	50	41	34	32	28	27	25	29	36	50	61	66	75	75	79	25	79	53.8
May 26	83	89	92	91	92	95	91	83	69	58	51	59	51	30	26	24	23	24	25	27	31	39	44	52	23	95	56.2
May 27	56	61	64	65	68	69	67	61	52	45	41	34	32	31	28	38	63	60	55	56	62	72	81	85	28	85	56.1
May 28	89	89	89	90	91	91	86	70	53	48	43	39	35	30	30	30	31	33	41	52	88	**100**	**100**	**100**	30	**100**	64.5
May 29	**100**	**100**	**100**	**100**	**100**	96	92	91	94	96	95	94	95	93	91	95	91	88	93	94	91	96	97	92	88	**100**	94.8
May 30	92	89	87	88	88	85	82	80	76	70	64	60	53	45	40	52	35	35	35	32	36	43	51	55	32	92	61.4
May 31	58	63	69	80	93	**100**	98	96	87	83	82	80	69	59	53	65	68	59	60	65	70	79	90	96	53	**100**	75.9
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	97	95	93	96	96	95	97	96	97	99	100	100	100			
Diurnal Average	69.6	71.4	72.9	74.7	76.2	76.1	73.3	68.3	62.8	58.2	53.2	49.5	46.2	42.7	41.9	41.4	41.9	42.4	44.2	47.5	53.1	59.6	63.9	67.4			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

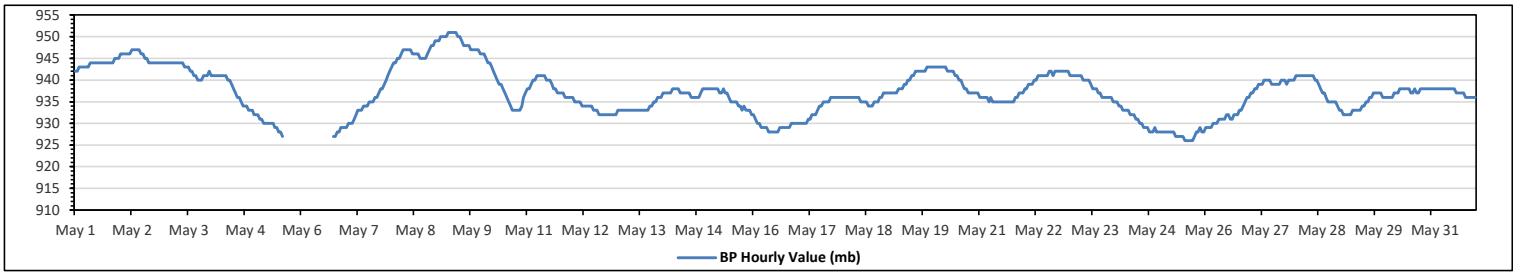
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	951	mb	on May 9 at hr 6	Hours in Service:	744	
Maximum Daily Value:	949	mb	on May 9	Hours of Data:	718	
Minimum Hourly Value:	926	mb	on May 25 at hr 13	Hours of Missing Data:	26	
Minimum Daily Value:	927	mb	on May 25	Hours of Calibration:	0	
Monthly Average:	937	mb		Operational Uptime:	96.5	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	942	942	943	943	943	943	943	943	944	944	944	944	944	944	944	944	944	944	944	944	944	945	945	945	942	945	944
May 2	946	946	946	946	946	946	947	947	947	947	947	946	946	945	945	944	944	944	944	944	944	944	944	944	944	947	945
May 3	944	944	944	944	944	944	944	944	944	944	943	943	943	942	942	941	941	940	940	940	941	941	941	942	940	944	943
May 4	941	941	941	941	941	941	941	941	941	940	940	939	938	937	936	936	935	934	934	934	933	933	933	932	932	941	938
May 5	932	932	931	931	930	930	930	930	930	930	929	929	928	928	927	K	K	K	K	K	K	K	K	K	927	932	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	927	927	928	928	929	929	929	927	929	NA
May 7	929	930	930	930	931	932	933	933	933	934	934	934	935	935	935	936	936	937	938	938	939	940	941	942	929	942	935
May 8	943	944	944	945	945	946	947	947	947	947	947	946	946	946	946	945	945	945	945	946	947	948	948	949	943	949	946
May 9	949	949	950	950	950	950	**951**	**951**	**951**	**951**	**951**	950	950	949	948	948	948	948	947	947	947	947	947	946	946	**951**	**949**
May 10	946	946	945	944	944	943	942	941	940	939	939	938	937	936	935	934	933	933	933	933	933	934	936	937	933	946	938
May 11	938	938	939	940	940	941	941	941	941	941	940	940	940	939	938	938	937	937	937	937	936	936	936	936	936	941	939
May 12	936	935	935	935	935	934	934	934	934	934	934	933	933	933	932	932	932	932	932	932	932	932	932	932	932	936	933
May 13	933	933	933	933	933	933	933	933	933	933	933	933	933	933	933	933	933	934	934	935	935	936	936	936	933	936	934
May 14	937	937	937	937	937	938	938	938	938	937	937	937	937	937	937	936	936	936	936	936	937	938	938	938	936	938	937
May 15	938	938	938	938	938	938	937	937	938	937	937	936	935	935	935	935	934	934	933	934	933	933	933	932	932	938	936
May 16	932	931	930	930	929	929	929	929	928	928	928	928	928	928	929	929	929	929	929	929	930	930	930	930	928	932	929
May 17	930	930	930	930	930	931	931	932	932	932	933	934	934	935	935	935	935	936	936	936	936	936	936	936	930	936	933
May 18	936	936	936	936	936	936	936	936	936	935	935	935	935	934	934	934	935	935	935	936	936	937	937	937	934	937	936
May 19	937	937	937	937	937	938	938	938	939	939	940	940	941	941	942	942	942	942	942	942	943	943	943	943	937	943	940
May 20	943	943	943	943	943	943	943	942	942	942	942	941	941	940	940	939	938	938	937	937	937	937	937	937	937	943	940
May 21	936	936	936	936	936	935	936	935	935	935	935	935	935	935	935	935	935	935	935	936	936	937	937	937	935	937	936
May 22	938	938	939	939	939	940	940	941	941	941	941	941	941	942	942	941	942	942	942	942	942	942	942	942	938	942	941
May 23	941	941	941	941	941	941	941	940	940	940	940	939	938	938	938	937	937	936	936	936	936	936	936	935	935	941	939
May 24	935	935	934	934	933	933	933	933	932	932	932	931	931	930	930	929	929	929	928	928	928	929	928	928	928	935	931
May 25	928	928	928	928	928	928	928	928	927	927	927	927	927	**926**	**926**	**926**	**926**	**926**	927	928	928	929	928	928	**926**	929	**927**
May 26	929	929	929	929	930	930	930	931	931	931	931	932	932	931	931	932	932	932	933	933	934	935	936	936	929	936	932
May 27	937	937	938	938	939	939	939	940	940	940	940	939	939	939	939	939	940	940	940	939	940	940	940	940	937	940	939
May 28	941	941	941	941	941	941	941	941	941	941	940	940	939	938	937	937	936	935	935	935	935	935	934	933	933	941	938
May 29	933	932	932	932	932	932	933	933	933	933	933	934	934	935	935	936	936	937	937	937	937	937	936	936	932	937	934
May 30	936	936	936	936	937	937	937	938	938	938	938	938	938	937	937	938	937	937	938	938	938	938	938	938	936	938	937
May 31	938	938	938	938	938	938	938	938	938	938	938	938	938	937	937	937	937	937	936	936	936	936	936	936	936	938	937
Diurnal Maximum	949	949	950	950	950	950	951	951	951	951	951	950	950	949	948	948	948	948	947	947	947	948	948	949			
Diurnal Average	937	937	937	938	938	938	938	938	938	938	938	937	937	937	937	937	937	936	936	937	937	937	937	937			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

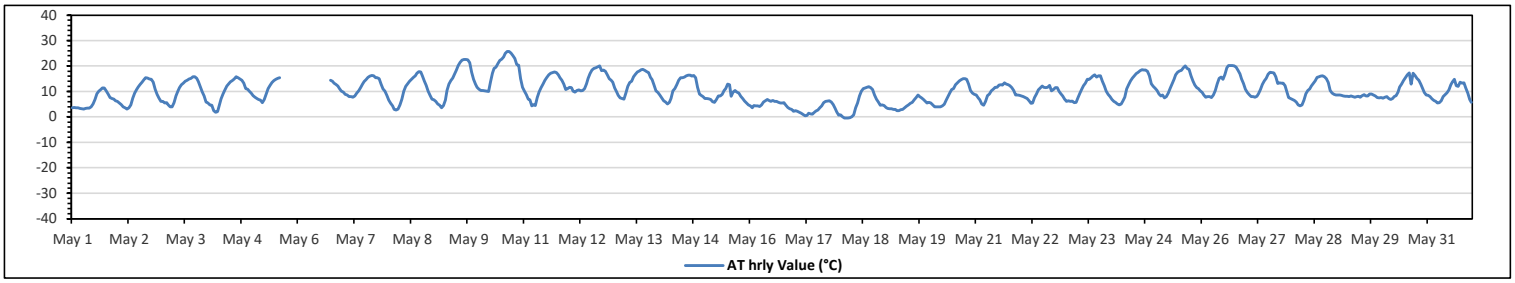
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	25.8	°C	on May 10 at hr 15	Hours in Service:	744	
Maximum Daily Value:	18.2	°C	on May 10	Hours of Data:	718	
Minimum Hourly Value:	-0.4	°C	on May 18 at hr 2	Hours of Missing Data:	26	
Minimum Daily Value:	2.9	°C	on May 17	Hours of Calibration:	0	
Monthly Average:	10.4	°C		Operational Uptime:	96.5	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	3.7	3.8	3.7	3.7	3.4	3.2	3.1	3.4	3.5	3.5	3.9	5.1	6.9	9.2	10.1	10.7	11.4	11.4	10.3	9	7.7	7.3	7	6.4	3.1	11.4	6.3
May 2	6.1	5.5	4.9	4	3.7	3.1	3.6	4.7	7.4	9.4	10.7	11.8	12.8	13.7	14.6	15.5	15.3	14.9	14.8	13.7	10.9	8.9	7.4	6.1	3.1	15.5	9.3
May 3	6.2	5.5	5.6	4.7	4	3.9	5.6	8.2	10.1	11.6	12.6	13.3	14.1	14.5	14.9	15.2	15.8	15.8	15.2	13.9	11.9	9.9	8.3	5.9	3.9	15.8	10.3
May 4	5.5	4.7	4.6	2.5	1.9	2.1	4.4	7.1	9	10.6	12.1	12.9	13.8	14.3	14.9	15.8	15.5	14.9	14.5	13.3	11.1	10.9	10	9.3	1.9	15.8	9.8
May 5	8.4	7.8	7.2	6.8	6.6	5.6	6.9	9	11.1	12.4	13.5	14.3	14.7	15.2	15.5	K	K	K	K	K	K	K	K	K	5.6	15.5	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	14.4	14	13.3	12.8	12.1	11.1	10.2	10.2	14.4	NA
May 7	9.7	8.9	8.6	8	8	7.8	8.3	9.3	10.3	11.5	13	13.9	14.6	15.6	16	16.3	16.2	15.5	15.4	15.1	12.9	11	10.2	8.5	7.8	16.3	11.9
May 8	6.6	5.3	4.3	3	2.7	3.1	4.8	7	10.1	12	13.1	14.1	14.8	15.6	16.1	17.2	17.8	17.7	16.1	14.2	12.4	10.2	8.5	7	2.7	17.8	10.6
May 9	6.7	6.2	5.2	4.6	3.7	4.5	6.6	10.4	13	14.3	15.3	16.7	18.4	20.2	21.4	22.4	22.6	22.6	22.5	21.3	17.6	14.7	13	11.7	3.7	22.6	14.0
May 10	10.9	10.5	10.4	10.3	10.1	10	13.8	17.2	19	19.6	21	22.2	22.7	23.6	25	**25.8**	**25.8**	25.1	24.1	22.9	20.6	20.3	15	11.7	10.0	**25.8**	**18.2**
May 11	10.1	8.8	7	6.7	4.4	4.9	4.5	7.6	9.9	11.5	13	14.5	15.6	16.6	17.2	17.4	17.7	17.4	16.6	15.4	14.5	12.9	10.8	11.1	4.4	17.7	11.9
May 12	11.7	11.5	10.2	9.7	10.4	10.6	10.3	10.4	11.2	13.1	15.2	17.1	18.5	19.1	19.3	19.8	20.1	18.2	18.5	17.9	16.5	15.1	14.5	13.7	9.7	20.1	14.7
May 13	11.4	9.9	8.5	7.5	7.2	7	9.3	12	13.5	14.1	15.8	16.8	17.7	18.1	18.6	18.7	18.4	17.8	17.4	15.6	14.6	12.5	10.3	9.6	7.0	18.7	13.4
May 14	8.6	7.5	6.4	5.9	5.1	5.7	7.3	10.3	11.2	12.6	14.4	15.4	15.5	15.7	16.1	16.4	16.4	16	16.3	15.5	11.7	9	8.5	7.9	5.1	16.4	11.5
May 15	7.3	7.2	7.1	6.8	6	5.7	6.9	8.3	8.3	8.9	10.4	11.2	12.9	12.7	8.1	9.7	10.5	9.7	9.3	8.1	7.3	6.3	5.5	4.8	4.8	12.9	8.3
May 16	4.4	3.7	4.5	4.4	4.3	4.1	4.7	5.9	6.4	6.9	6.5	6.1	6.5	6.2	6.1	5.8	5.4	5.5	5.6	4.6	3.8	3.2	2.9	2.3	2.3	6.9	5.0
May 17	2.5	2.3	1.9	1.4	1	0.4	0.6	1.5	1.2	1.1	1.7	2.4	2.7	3.7	4.4	5.6	6.2	6.3	6.4	5.9	4.9	3.3	2	0.7	0.4	6.4	**2.9**
May 18	0.8	0	**-0.4**	**-0.4**	**-0.4**	-0.3	0	0.8	3.6	5.5	8.3	10.1	11.1	11.4	11.7	11.9	11.5	10.8	8.7	7	5.9	4.6	4.7	4.5	**-0.4**	11.9	5.5
May 19	3.8	3.4	3.2	3.2	3	2.9	2.5	2.5	2.8	3	3.7	4.2	4.8	5.3	5.8	6.7	7.7	8.7	7.9	7.5	6.9	6.2	5.4	5.7	2.5	8.7	4.9
May 20	5.4	4.7	3.9	4	3.9	3.9	4.3	5	6.6	8.1	9.3	10.7	11.2	12.6	13.4	14.2	14.6	15	15.1	14.8	12.9	10.5	9.4	8.9	3.9	15.1	9.3
May 21	8.7	7.5	6.7	5.1	4.6	6.2	8.4	9	10.3	10.9	11.7	11.7	12.5	12.6	12.5	13.4	13	12.6	12.3	11.6	10.5	8.7	8.6	8.5	4.6	13.4	9.9
May 22	8.3	8	7.7	7.3	6.4	5.3	5.4	7.6	9	10.6	11.4	12.1	11.7	11.5	11.7	12.4	10.3	10.8	11.6	11.5	10	9.1	8.3	7	5.3	12.4	9.4
May 23	6.2	6.4	6.1	6.3	5.6	5.8	7.6	9.4	11	12.2	13.3	14.7	14.8	15.5	16	16.6	15.7	16.2	16.1	14	12.3	10.2	8.9	7.9	5.6	16.6	11.2
May 24	6.9	6.2	5.7	5.1	4.7	5.2	6.3	7.8	11	12.7	14.2	15.3	16.2	17.1	17.5	18.2	18.6	18.5	18.5	17.9	16.1	13.1	12	11.3	4.7	18.6	12.3
May 25	10.4	9.1	8.3	8.6	7.5	7.9	9.4	11.3	13.1	14.7	16.6	17.5	18.1	18.4	19.3	20	19	18.7	16.2	14.2	12.5	11.5	11.1	10.3	7.5	20.0	13.5
May 26	9.6	8.7	7.8	7.9	7.9	7.7	8.6	10.4	13.1	15.2	15.7	14.8	16.7	19.3	20.2	20.2	20.2	20	19.6	18.4	17	14.9	13.2	10.9	7.7	20.2	14.1
May 27	9.6	8.8	8	8	7.8	8.1	9.2	10.8	12.8	14.2	15.2	16.8	17.5	17.4	17.3	15.8	13.2	13.4	13.3	13.3	12.3	10.2	7.7	7.3	7.3	17.5	12.0
May 28	6.8	6.5	5.9	4.7	4.4	4.7	6.6	9.2	10.5	11	12.1	13.2	14.2	15.6	15.8	16	16.1	15.9	15.1	13.5	10.5	9.3	8.9	8.7	4.4	16.1	10.6
May 29	8.6	8.6	8.5	8.3	8.1	8.1	8	8.3	7.9	7.8	8	8.1	7.8	8.4	8.8	8.2	8.2	9	9	8.7	8.3	7.6	7.5	7.6	7.5	9.0	8.2
May 30	7.4	7.8	8	7.3	6.8	7.3	8	8.4	9.7	11.8	12.9	14.3	15.5	16.5	17.3	13	17.2	16.3	15.2	14.5	13	11.2	9.6	8.7	6.8	17.3	11.6
May 31	8.5	8	7.1	6.5	6.1	5.4	5.6	6.4	8	8.8	9.5	10.6	12.7	13.8	14.7	12.3	12	13.7	13.3	13.4	11.3	9.3	6.9	5.7	5.4	14.7	9.6
Diurnal Maximum	11.7	11.5	10.4	10.3	10.4	10.6	13.8	17.2	19.0	19.6	21.0	22.2	22.7	23.6	25.0	25.8	25.8	25.1	24.1	22.9	20.6	20.3	15.0	13.7			
Diurnal Average	7.4	6.8	6.2	5.7	5.3	5.3	6.4	8.0	9.5	10.7	11.8	12.7	13.6	14.3	14.7	14.9	14.9	14.8	14.3	13.3	11.7	10.1	8.9	8.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

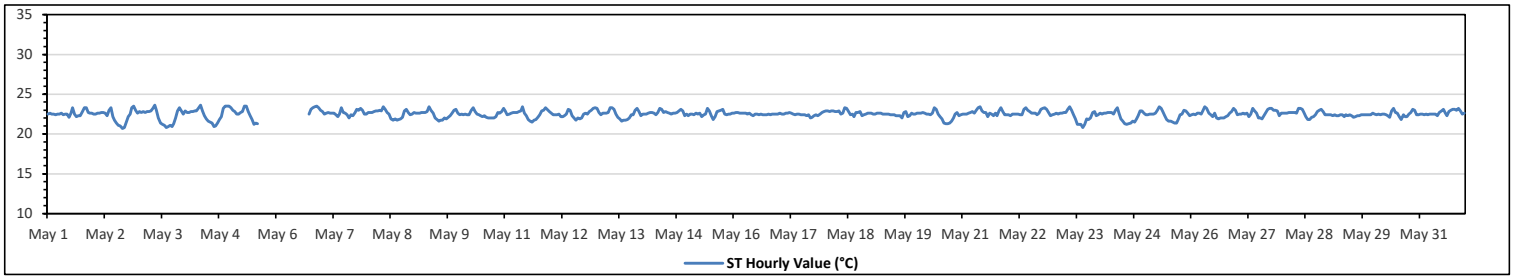
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.6	°C	on May 3 at hr 8	Hours in Service:	744
Maximum Daily Value:	22.7	°C	on May 18	Hours of Data:	718
Minimum Hourly Value:	20.7	°C	on May 2 at hr 15	Hours of Missing Data:	26
Minimum Daily Value:	22.2	°C	on May 23	Hours of Calibration:	0
Monthly Average:	22.5	°C		Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	22.5	22.6	22.5	22.5	22.4	22.5	22.5	22.6	22.4	22.5	22.5	22.1	22.6	23.3	22.5	22.2	22.3	22.3	22.8	23.3	23.3	22.7	22.6	22.6	22.1	23.3	22.6
May 2	22.5	22.5	22.6	22.6	22.7	22.7	22.6	22.3	23.0	23.3	22.2	21.7	21.4	21.1	21.0	**20.7**	20.8	21.5	22.2	22.5	23.3	23.5	23.0	22.6	**20.7**	23.5	22.3
May 3	22.8	22.7	22.8	22.7	22.8	22.8	22.9	23.2	**23.6**	23.0	22.0	21.4	21.2	21.1	20.8	20.9	21.1	20.9	21.3	22.0	22.9	23.3	22.9	22.5	20.8	**23.6**	22.2
May 4	22.9	22.7	22.7	22.8	22.8	22.9	22.9	23.2	**23.6**	22.9	22.3	21.9	21.6	21.5	21.4	20.9	21.0	21.4	21.8	22.2	23.2	23.5	23.5	23.5	20.9	**23.6**	22.5
May 5	23.3	23.0	22.8	22.5	22.5	22.7	22.8	23.5	23.5	22.8	22.3	21.8	21.2	21.4	21.3	K	K	K	K	K	K	K	K	K	21.2	23.5	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	22.5	23.1	23.3	23.4	23.5	23.3	23.0	22.5	23.5	NA
May 7	22.8	22.5	22.6	22.7	22.6	22.6	22.6	22.4	22.2	22.5	23.3	22.7	22.6	22.4	22.0	22.4	22.3	22.7	23.1	23.0	23.2	23.0	22.5	22.5	22.0	23.3	22.6
May 8	22.7	22.7	22.7	22.8	22.9	22.9	23.0	22.9	23.4	23.1	22.7	22.5	21.9	21.7	21.9	21.7	21.8	21.9	22.1	22.9	23.1	22.7	22.4	22.5	21.7	23.4	22.5
May 9	22.7	22.6	22.6	22.6	22.7	22.7	22.7	22.8	23.4	23.0	22.6	22.0	21.8	21.6	21.7	21.7	22.0	21.9	22.1	22.3	22.6	23.0	23.1	22.6	21.6	23.4	22.5
May 10	22.4	22.5	22.4	22.5	22.4	22.4	23.0	23.3	22.8	22.5	22.4	22.3	22.2	22.3	22.1	22.0	22.0	22.0	22.0	22.2	22.7	22.6	22.8	23.2	22.0	23.3	22.5
May 11	22.9	22.4	22.5	22.6	22.7	22.7	22.7	22.8	22.9	23.4	22.6	22.3	21.8	21.6	21.5	21.7	21.8	22.1	22.4	22.9	23.0	23.3	23.1	22.8	21.5	23.4	22.5
May 12	22.6	22.4	22.4	22.4	22.5	22.2	22.2	22.3	22.5	23.1	23.0	22.3	22.0	21.7	22.0	21.9	22.0	22.5	22.6	22.5	22.8	23.0	23.2	23.3	21.7	23.3	22.5
May 13	23.2	22.7	22.4	22.6	22.6	22.6	22.7	23.3	23.3	23.1	22.5	22.1	21.9	21.6	21.7	21.7	21.8	22.0	22.4	22.4	23.0	23.2	22.8	22.3	21.6	23.3	22.5
May 14	22.5	22.5	22.5	22.6	22.7	22.7	22.6	22.4	22.7	23.2	23.1	22.7	22.8	22.7	22.6	22.5	22.6	22.6	22.7	22.9	23.1	22.9	22.3	22.5	22.3	23.2	22.7
May 15	22.3	22.5	22.5	22.4	22.6	22.5	22.6	22.2	22.4	22.5	23.2	22.9	22.3	21.8	22.2	22.8	22.9	23.0	23.1	22.5	22.4	22.5	22.5	22.6	21.8	23.2	22.6
May 16	22.6	22.7	22.7	22.6	22.6	22.6	22.6	22.5	22.6	22.4	22.3	22.5	22.5	22.4	22.5	22.4	22.4	22.4	22.5	22.4	22.5	22.5	22.5	22.5	22.3	22.7	22.5
May 17	22.6	22.5	22.5	22.6	22.6	22.7	22.6	22.5	22.4	22.5	22.5	22.4	22.4	22.4	22.3	22.4	22.0	22.1	22.3	22.4	22.3	22.5	22.7	22.8	22.0	22.8	22.5
May 18	22.9	22.9	22.8	22.9	22.9	22.8	22.8	22.9	22.5	22.6	23.3	23.2	22.8	22.4	22.5	22.2	22.7	22.7	22.8	22.3	22.4	22.5	22.6	22.6	22.2	23.3	**22.7**
May 19	22.6	22.5	22.5	22.6	22.6	22.6	22.5	22.5	22.5	22.5	22.4	22.4	22.4	22.3	22.3	22.3	22.0	22.7	22.8	22.2	22.3	22.6	22.5	22.5	22.0	22.8	22.5
May 20	22.6	22.6	22.6	22.7	22.6	22.5	22.5	22.4	22.6	23.3	23.1	22.5	22.2	21.9	21.4	21.3	21.3	21.4	21.6	22.0	22.5	22.7	22.3	22.4	21.3	23.3	22.3
May 21	22.5	22.5	22.5	22.6	22.7	22.8	22.6	23.0	23.3	23.4	22.9	22.7	22.7	22.2	22.6	22.5	22.3	22.6	22.3	22.9	23.3	22.8	22.4	22.4	22.2	23.4	22.7
May 22	22.4	22.3	22.5	22.5	22.5	22.5	22.4	22.4	23.1	23.3	23.0	22.8	22.6	22.6	22.6	22.4	22.6	23.1	23.2	23.3	23.1	22.7	22.3	22.4	22.3	23.3	22.7
May 23	22.5	22.6	22.5	22.6	22.6	22.7	22.7	23.1	23.4	23.0	22.4	21.9	21.2	21.2	21.2	20.8	21.2	21.9	21.8	22.0	22.7	22.8	22.3	22.4	20.8	23.4	**22.2**
May 24	22.6	22.5	22.6	22.6	22.7	22.7	22.7	22.5	23.0	23.3	22.5	21.9	21.6	21.3	21.2	21.3	21.4	21.6	21.5	21.9	22.3	22.9	22.9	22.6	21.2	23.3	22.3
May 25	22.4	22.4	22.5	22.5	22.5	22.6	23.0	23.4	23.2	22.8	22.3	21.8	21.6	21.6	21.5	21.4	21.4	21.9	22.4	22.5	23.0	22.9	22.6	22.3	21.4	23.4	22.4
May 26	22.4	22.5	22.4	22.6	22.6	22.5	22.9	23.4	23.2	22.6	22.4	22.2	22.6	22.0	21.9	22.0	22.0	22.0	22.2	22.3	22.6	22.8	23.2	23.0	21.9	23.4	22.5
May 27	22.4	22.5	22.5	22.6	22.5	22.6	22.2	22.5	23.2	22.9	22.6	22.0	22.0	21.9	22.3	22.7	23.1	23.2	23.2	23.0	23.0	22.9	22.3	22.6	21.9	23.2	22.6
May 28	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.6	23.2	23.2	23.1	22.7	22.2	21.8	21.8	22.1	22.2	22.4	22.8	23.0	23.1	22.8	22.4	22.4	21.8	23.2	22.6
May 29	22.4	22.4	22.3	22.4	22.3	22.3	22.4	22.4	22.2	22.4	22.3	22.4	22.3	22.1	22.2	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.6	22.1	22.6	22.4
May 30	22.5	22.4	22.5	22.4	22.5	22.5	22.4	22.3	22.1	22.9	23.2	22.7	22.6	22.2	21.8	22.4	22.2	22.2	22.5	22.7	23.1	23.0	22.4	22.4	21.8	23.2	22.5
May 31	22.5	22.5	22.4	22.5	22.4	22.5	22.5	22.5	22.5	22.3	22.7	22.9	23.1	22.6	22.3	22.8	23.0	23.1	23.1	23.0	23.2	22.9	22.5	22.6	22.3	23.2	22.7
Diurnal Maximum	23.3	23.0	22.8	22.9	22.9	22.9	23.0	23.5	23.6	23.4	23.3	23.2	23.1	23.3	22.6	22.8	23.1	23.2	23.2	23.3	23.4	23.5	23.5	23.5			
Diurnal Average	22.6	22.6	22.5	22.6	22.6	22.6	22.6	22.7	22.9	22.9	22.7	22.3	22.1	22.0	21.9	21.9	22.0	22.2	22.4	22.6	22.9	22.9	22.7	22.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

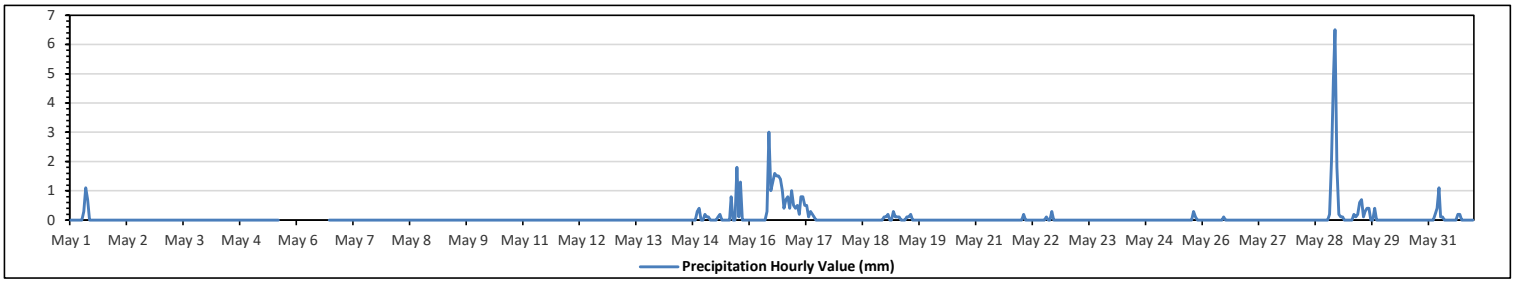
PRECIPITATION in mm

Maximum Hourly Value:	6.5	mm	on May 28 at hr 22	Hours in Service:	744	
Maximum Daily Value:	16.4	mm	on May 16	Hours of Data:	718	
Minimum Hourly Value:	0.0	mm	on May 1 at hr 0	Hours of Missing Data:	26	
Minimum Daily Value:	0.0	mm	on May 2	Hours of Calibration:	0	
Monthly Total:	52.2	mm		Operational Uptime:	96.5	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
May 1	0	0	0	0	0	0	0	0.3	1.1	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	1.1	2.1
May 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	K	K	K	K	K	K	K	K	K	0.0	0.0	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	0	0	0	0	0	0	0	0.0	0.0	NA
May 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4	0	0	0.0	0.4	0.7
May 15	0.2	0.1	0.1	0	0	0	0	0.1	0.2	0	0	0	0	0	0.8	0	0	1.8	0.1	1.3	0	0	0	0	0.0	1.8	4.7
May 16	0	0	0	0	0	0	0	0	0	0.3	3	1	1.3	1.6	1.5	1.5	1.4	1	0.4	0.7	0.8	0.4	1	0.5	0.0	3.0	**16.4**
May 17	0.4	0.5	0.2	0.8	0.8	0.5	0.5	0.1	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.8	4.4
May 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.0	0.1	0.1
May 19	0.1	0.2	0	0	0.3	0.1	0.1	0.1	0	0	0	0.1	0.1	0.2	0	0	0	0	0	0	0	0	0	0	0.0	0.3	1.3
May 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 22	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0.3	0	0	0	0	0	0	0	0.0	0.3	0.6
May 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.1	0	0	0	0.0	0.3	0.4
May 26	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
May 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2	4.8	**6.5**	1.8	0.0	**6.5**	15.3
May 29	0.2	0.1	0.1	0	0	0	0	0	0.2	0.1	0.2	0.6	0.7	0.1	0.3	0.4	0.4	0	0	0.4	0	0	0	0	0.0	0.7	3.8
May 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
May 31	0	0	0	0.2	0.4	1.1	0.1	0.1	0	0	0	0	0	0	0	0.2	0.2	0	0	0	0	0	0	0	0.0	1.1	2.3
Diurnal Maximum	0.4	0.5	0.2	0.8	0.8	1.1	0.5	0.3	1.1	0.7	3.0	1.0	1.3	1.6	1.5	1.5	1.4	1.8	0.4	1.3	2.0	4.8	6.5	1.8			
Diurnal Average	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.3	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

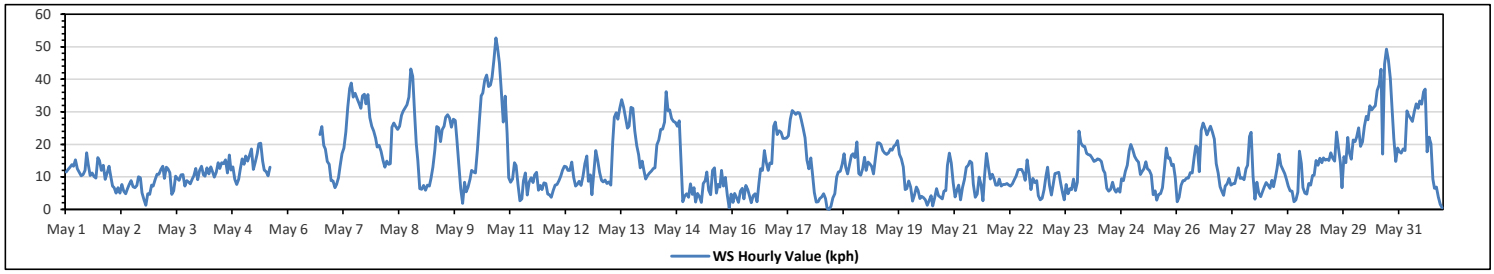
VECTOR WIND SPEED (VWS) in km/hr

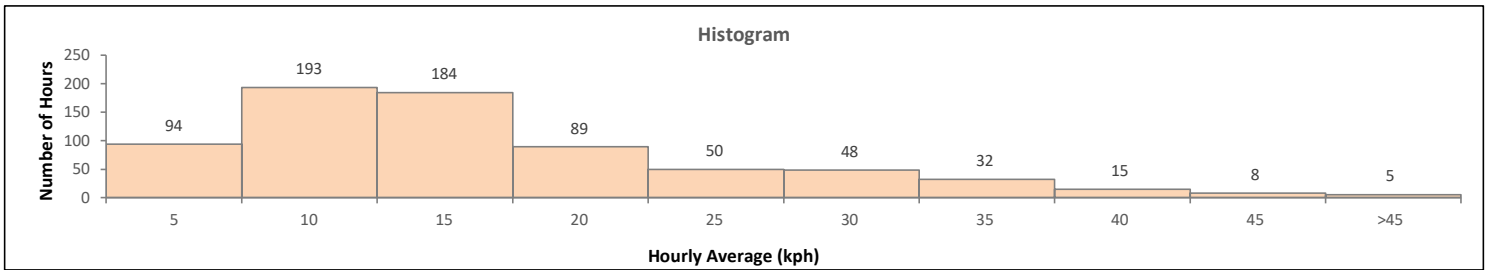
Maximum Hourly Value:	52.7	kph	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	29.8	kph	on May 30	Hours of Data:	718	
Minimum Hourly Value:	0.0	kph	on May 18 at hr 4	Hours of Missing Data:	26	
Minimum Daily Value:	5.6	kph	on May 20	Hours of Calibration:	0	
Monthly Average:	5.6	kph		Operational Uptime:	96.5	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	11.5	12.3	13.0	13.7	13.3	15.2	12.5	11.4	10.3	10.7	12.0	17.4	13.8	10.4	11.1	10.1	9.6	15.9	15.0	12.0	13.6	9.2	11.1	13.2	9.2	17.4	12.4
May 2	9.8	7.2	6.6	5.0	6.7	5.0	7.6	5.5	4.8	6.2	7.6	8.8	7.0	6.7	7.3	10.0	9.7	5.1	3.0	1.3	4.8	4.6	7.4	7.2	1.3	10.0	6.5
May 3	9.1	10.8	10.8	12.3	13.2	9.5	12.9	12.5	11.3	4.6	5.7	10.2	9.4	8.9	10.6	10.7	7.1	8.8	8.4	7.8	9.3	10.3	12.6	9.1	4.6	13.2	9.8
May 4	11.9	13.3	10.6	10.2	12.8	10.9	13.1	11.4	9.9	11.4	14.3	12.6	14.3	14.1	15.2	11.2	16.7	12.1	13.1	9.2	7.6	9.2	12.3	15.5	7.6	16.7	12.2
May 5	13.8	16.4	14.9	16.6	18.6	12.3	14.5	17.1	20.1	20.3	14.8	12.1	11.6	10.3	12.9	K	K	K	K	K	K	K	K	K	10.3	20.3	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	23.0	25.4	19.7	18.6	14.7	13.8	8.8	8.8	25.4	NA
May 7	8.7	6.7	7.6	9.7	13.2	17.1	18.9	23.8	31.4	37.2	38.8	34.5	35.7	34.1	32.6	31.1	34.9	35.4	32.5	35.3	28.2	25.5	24.1	21.9	6.7	38.8	25.8
May 8	19.1	19.7	17.9	15.1	13.0	14.8	13.8	14.1	25.3	26.5	25.4	24.6	25.6	28.9	30.2	31.2	32.2	34.5	43.2	40.9	29.3	20.3	15.0	6.4	6.4	43.2	23.6
May 9	6.2	7.3	5.9	7.5	7.1	9.4	13.0	18.0	25.4	25.1	20.8	24.4	25.6	28.3	29.1	28.1	25.2	27.7	27.3	21.5	13.8	6.4	1.9	8.3	1.9	29.1	17.2
May 10	5.4	6.9	9.2	12.0	11.5	11.1	18.1	26.8	34.9	35.8	39.7	41.3	37.7	38.3	40.6	46.2	**52.7**	49.8	44.9	36.2	26.8	34.8	23.3	9.7	5.4	**52.7**	28.9
May 11	8.3	9.3	14.4	13.4	7.7	2.6	3.2	8.7	11.1	4.4	8.5	9.7	8.2	10.6	11.4	5.9	7.3	6.1	8.1	8.0	4.7	4.5	3.7	5.8	2.6	14.4	7.7
May 12	7.5	7.6	8.8	10.3	12.0	13.2	13.1	11.9	11.9	14.5	9.8	7.1	7.6	8.6	7.3	10.1	14.1	16.4	8.6	10.6	4.5	11.4	18.1	15.1	4.5	18.1	10.8
May 13	11.4	8.9	8.5	9.0	8.0	8.5	7.4	20.6	28.3	29.7	27.7	31.1	33.7	31.5	28.2	24.9	25.5	31.3	31.1	24.1	19.6	16.8	12.8	14.8	7.4	33.7	20.6
May 14	12.2	9.3	10.4	11.2	11.8	12.6	12.7	19.8	21.3	24.6	24.7	26.8	36.1	30.3	30.5	27.9	27.0	26.7	25.5	27.2	15.8	2.3	4.1	4.8	2.3	36.1	19.0
May 15	3.7	7.8	4.6	6.6	2.2	4.9	3.9	2.1	7.9	8.8	11.5	5.9	4.5	12.0	12.7	5.0	7.6	6.9	12.0	7.1	9.8	4.4	0.5	4.7	0.5	12.7	6.5
May 16	2.1	4.9	3.6	2.1	5.6	6.5	3.2	7.3	6.0	4.3	2.0	4.2	4.8	2.3	8.1	12.5	12.0	18.0	14.3	11.9	14.2	14.0	25.5	26.8	2.0	26.8	9.0
May 17	23.0	24.2	23.7	21.8	21.8	21.9	22.6	27.7	30.4	29.9	29.2	29.8	29.6	27.6	25.0	22.0	15.1	12.4	15.8	11.1	5.2	2.2	2.4	3.3	2.2	30.4	19.9
May 18	3.8	4.8	3.3	0.2	**0.0**	0.9	3.5	4.8	10.0	11.5	11.7	13.9	17.1	13.0	10.9	13.7	16.6	17.1	15.9	20.7	11.0	10.5	12.5	16.0	**0.0**	20.7	10.1
May 19	11.9	14.5	14.0	13.3	10.9	15.8	20.5	20.5	20.0	18.0	17.3	16.9	17.4	18.5	18.2	19.5	19.8	21.1	16.9	15.5	13.1	6.0	6.3	8.7	6.0	21.1	15.6
May 20	6.8	2.5	4.4	6.9	5.9	3.3	4.0	3.6	2.9	1.3	2.7	4.2	1.0	3.5	6.4	4.2	3.7	3.2	5.5	5.8	13.5	17.3	14.2	8.1	1.0	17.3	**5.6**
May 21	3.8	6.0	7.4	2.9	6.7	9.1	12.9	13.5	14.9	14.3	7.7	3.7	4.7	9.9	7.7	2.6	10.3	17.2	13.1	9.3	10.8	9.3	7.4	7.5	2.6	17.2	8.9
May 22	9.3	7.1	7.7	7.6	8.0	7.5	7.2	7.8	9.1	10.3	12.2	12.3	12.3	11.0	8.9	15.2	11.0	6.0	9.5	8.2	8.8	4.2	2.9	3.4	2.9	15.2	8.6
May 23	6.0	10.3	12.9	7.3	4.4	7.3	11.0	11.2	11.4	7.9	5.0	2.9	7.7	4.8	6.3	6.1	9.3	5.8	8.3	24.1	20.5	19.5	19.3	17.2	2.9	24.1	10.3
May 24	16.8	16.7	15.8	14.7	15.0	15.5	15.3	14.7	12.1	11.2	6.5	5.6	6.2	8.3	6.1	5.3	6.4	5.3	9.4	8.8	11.7	13.5	18.1	19.9	5.3	19.9	11.6
May 25	18.3	16.3	15.2	14.5	10.7	11.6	12.5	14.6	12.4	11.9	10.6	4.5	5.7	2.8	4.6	4.8	6.6	12.5	18.9	15.7	15.8	13.4	13.9	9.7	2.8	18.9	11.6
May 26	2.3	3.7	7.3	8.8	8.8	9.6	9.6	11.3	11.2	16.0	19.5	19.1	11.6	24.3	26.5	24.9	22.9	24.5	25.6	23.8	21.6	14.0	11.1	7.0	2.3	26.5	15.2
May 27	5.7	4.3	7.2	7.8	9.5	7.4	7.8	7.9	10.0	12.7	9.5	9.7	9.1	12.5	13.6	22.4	23.7	10.2	3.1	8.3	5.0	3.9	5.3	6.9	3.1	23.7	9.3
May 28	8.2	7.5	6.5	8.9	7.0	9.8	12.6	17.0	13.6	12.3	11.0	9.0	7.2	5.7	5.6	2.4	2.9	5.3	17.9	14.0	6.6	5.0	4.7	7.9	2.4	17.9	8.7
May 29	7.4	10.4	10.5	15.0	13.5	15.7	14.3	15.8	15.1	15.4	15.0	17.4	15.7	14.9	23.8	18.9	14.3	6.7	16.2	14.4	22.1	17.4	15.4	21.3	6.7	23.8	15.3
May 30	20.8	22.3	25.1	19.3	20.7	25.6	28.6	27.5	31.8	30.5	31.4	31.8	36.6	38.3	43.0	17.0	44.6	49.3	45.9	40.3	30.1	21.7	14.7	18.8	14.7	49.3	**29.8**
May 31	17.8	17.3	18.5	18.1	30.3	29.0	28.0	27.0	30.1	32.4	31.1	33.3	32.3	36.1	36.9	17.7	22.2	20.1	9.3	6.5	6.8	3.8	1.6	0.4	0.4	36.9	21.1
Diurnal Maximum	23.0	24.2	25.1	21.8	30.3	29.0	28.6	27.7	34.9	37.2	39.7	41.3	37.7	38.3	43.0	46.2	52.7	49.8	45.9	40.9	30.1	34.8	25.5	26.8			
Diurnal Average	10.1	10.5	10.9	10.7	11.0	11.5	12.6	14.5	16.5	16.7	16.1	16.2	16.3	16.9	17.7	15.9	17.6	17.8	18.1	16.6	14.1	11.7	11.2	10.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



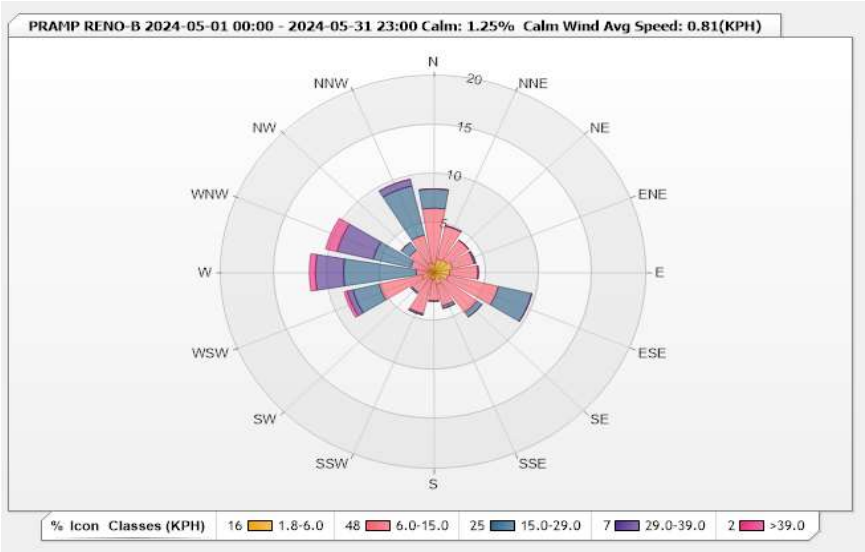


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 05-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 1.25% Valid Data: 96.51%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.84	5.71	1.95	0	0	8.5
NNE	1.39	3.48	0	0	0	4.87
NE	1.53	2.51	0	0	0	4.04
ENE	1.81	2.09	0.14	0	0	4.04
E	1.53	2.65	0	0	0	4.18
ESE	1.39	4.87	3.2	0	0	9.46
SE	0.84	4.18	0.56	0	0	5.58
SSE	1.25	2.23	0.28	0	0	3.76
S	0.7	2.23	0	0	0	2.93
SSW	0.7	3.62	0.14	0	0	4.46
SW	0.14	2.37	0.14	0	0	2.65
WSW	1.11	4.18	2.51	0.56	0.28	8.64
W	0.56	1.11	6.82	2.65	0.56	11.7
WNW	0.42	1.81	3.62	3.48	1.11	10.44
NW	0.42	2.37	0.97	0	0	3.76
NNW	0.97	2.92	5.15	0.7	0	9.74
Summary	15.6	48.33	25.48	7.39	1.95	98.75



Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

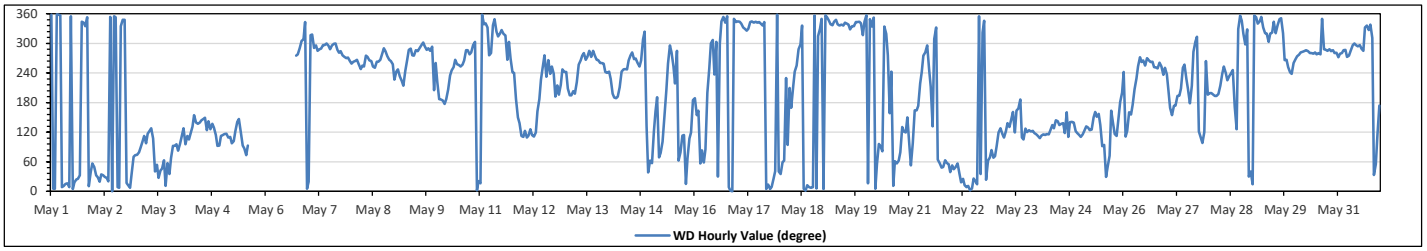
Monthly Average: 291 (WNW) degree

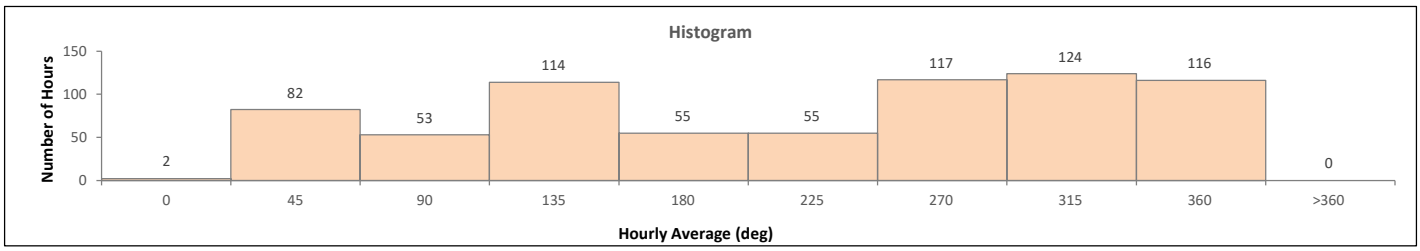
Hours in Service:	744
Hours of Data:	718
Hours of Missing Data:	26
Hours of Calibration:	0
Operational Uptime:	96.5

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
May 1	N	N	N	N	N	N	N	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE	NNE	NNW	NNW	NNW	N	N	NE	NE	6	N
May 2	NE	NNE	NNE	NNE	NE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	NNW	NNW	NNW	NNE	NNE	N	NE	ENE	ENE	17	NNE
May 3	ENE	ENE	E	E	ESE	E	ESE	ESE	SE	ESE	NE	NE	NNE	NE	NE	ENE	NNE	ENE	NE	ENE	E	E	E	E	80	E
May 4	E	ESE	SE	E	ESE	ESE	ESE	SE	SSE	SE	SE	SE	SE	SE	SSE	ESE	SE	SE	SE	SE	ESE	E	E	ESE	125	SE
May 5	ESE	ESE	ESE	ESE	ESE	E	E	ESE	SE	SE	ESE	E	E	ENE	E	K	K	K	K	K	K	K	K	K	NA	NA
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	W	W	WNW	WNW	NW	NNW	N	NA	NA
May 7	NNE	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	W	W	W	289	WNW
May 8	WSW	W	W	W	WSW	WSW	WSW	WSW	W	W	W	W	WSW	WSW	W	W	W	W	WNW	WNW	W	W	W	WSW	267	W
May 9	SW	WSW	WSW	SW	SW	SSW	WSW	W	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	WSW	280	W
May 10	SW	S	S	S	S	S	SSW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	WNW	WNW	W	W	WNW	WNW	N	NNE	265	W
May 11	NNE	N	NNW	NNW	NNW	W	W	NNW	NNW	NW	NW	NW	NW	NW	NW	W	WNW	W	WSW	WSW	S	SSE	SE	ESE	319	NW
May 12	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	SSE	S	SW	WSW	W	SW	W	SW	WSW	SW	S	SSW	SSW	SW	WSW	WSW	196	SSW
May 13	WSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	W	W	W	W	W	WNW	W	WNW	W	W	W	WSW	WSW	WSW	WSW	WSW	262	W
May 14	WSW	SW	SSW	S	S	S	SSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	W	NW	NW	SE	NE	ENE	258	WSW
May 15	ENE	ESE	SSE	S	ENE	ENE	E	SSE	SSW	WSW	WNW	W	WSW	SW	WNW	ENE	ENE	ESE	ESE	NNE	ENE	ESE	ESE	S	150	SSE
May 16	S	SSE	SSE	NE	E	ENE	E	SSW	WSW	WNW	NW	SW	WNW	NNE	WNW	NNW	N	NNW	N	N	N	N	N	NNW	348	NNW
May 17	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	N	NE	344	NNW
May 18	NE	ENE	ENE	SW	E	SSW	SSE	SSW	WSW	WSW	WNW	WNW	NNW	N	N	NNE	N	N	N	N	N	NW	NNW	N	344	NNW
May 19	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	341	NNW
May 20	N	NNE	NNW	NNW	N	N	NE	E	E	E	NNW	NW	W	SSE	WSW	NNE	ENE	NE	ENE	ENE	SE	ESE	ESE	SSE	80	E
May 21	E	NE	E	SSE	SSE	S	SW	WSW	W	W	WNW	WSW	SSW	SE	NW	NNW	ENE	ENE	NE	NE	ENE	ENE	NE	NE	54	NE
May 22	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	NNE	N	N	NNE	NNE	NNE	N	NE	NW	NNW	NNE	ENE	ENE	E	ENE	22	NNE
May 23	ENE	E	ESE	SE	ESE	ESE	ESE	SE	SE	SE	SSE	ESE	SSE	SSE	S	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	124	ESE
May 24	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	SSE	ESE	SE	SE	SE	ESE	ESE	ESE	123	ESE
May 25	ESE	ESE	ESE	SE	SE	ESE	SE	SSE	SSE	SSE	SSE	SE	E	E	NNE	NE	ENE	SSE	SE	ESE	ESE	SSE	S	SSW	133	SE
May 26	WSW	ESE	ESE	SSE	SSE	S	SSW	SW	WSW	W	W	W	WSW	W	W	W	W	WSW	WSW	WSW	W	WSW	SW	WSW	250	WSW
May 27	SW	SSW	SSE	SSE	S	S	S	SSW	SSW	WSW	WSW	SW	SSW	S	SSW	W	WNW	NW	ESE	ESE	E	ESE	W	SSW	222	SW
May 28	SSW	SSW	SSW	S	S	SSW	SSW	SW	WSW	WSW	SW	SW	WSW	WSW	S	SE	NNW	N	NNW	NW	WNW	NNW	NNE	NE	244	WSW
May 29	NNE	N	N	NNW	NNW	N	NNW	NW	NW	WNW	NW	NW	NNW	NW	NNW	NNW	N	NW	W	W	WSW	WSW	SW	WSW	314	NW
May 30	W	W	W	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	N	WNW	WNW	WNW	WNW	WNW	WNW	W	W	283	W
May 31	W	W	W	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNW	NW	NNW	NW	NNE	NE	ESE	S	295	WNW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Reno-B Station - May 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	52.7	kph	on May 10 at hr 16	Hours in Service:	744
Maximum Daily Value:	29.8	kph	on May 30	Hours of Data:	718
Minimum Hourly Value:	0.0	kph	on May 18 at hr 4	Hours of Missing Data:	26
Minimum Daily Value:	5.6	kph	on May 20	Hours of Calibration:	0
Monthly Average:	5.6	kph		Operational Uptime:	96.5

WIND DIRECTION

Monthly Average: 291 degree (WNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	11.5	12.3	13.0	13.7	13.3	15.2	12.5	11.4	10.3	10.7	12.0	17.4	13.8	10.4	11.1	10.1	9.6	15.9	15.0	12.0	13.6	9.2	11.1	13.2	9.2	17.4	12.4
	N	N	N	N	N	N	N	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE	NNE	NNW	NNW	NNW	N	N	NE	NE			6(N)
May 2	9.8	7.2	6.6	5.0	6.7	5.0	7.6	5.5	4.8	6.2	7.6	8.8	7.0	6.7	7.3	10.0	9.7	5.1	3.0	1.3	4.8	4.6	7.4	7.2	1.3	10.0	6.5
	NE	NNE	NNE	NNE	NE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	NNW	NNW	NNW	NNE	NNE	N	NE	ENE	ENE			17(NNE)
May 3	9.1	10.8	10.8	12.3	13.2	9.5	12.9	12.5	11.3	4.6	5.7	10.2	9.4	8.9	10.6	10.7	7.1	8.8	8.4	7.8	9.3	10.3	12.6	9.1	4.6	13.2	9.8
	ENE	ENE	E	E	ESE	E	ESE	ESE	SE	ESE	NE	NE	NNE	NE	NE	ENE	NNE	ENE	NE	ENE	E	E	E	E			80(E)
May 4	11.9	13.3	10.6	10.2	12.8	10.9	13.1	11.4	9.9	11.4	14.3	12.6	14.3	14.1	15.2	11.2	16.7	12.1	13.1	9.2	7.6	9.2	12.3	15.5	7.6	16.7	12.2
	E	ESE	SE	E	ESE	ESE	ESE	SE	SSE	SE	SE	SE	SE	SE	SSE	ESE	SE	SE	SE	SE	ESE	E	E	ESE			125(SE)
May 5	13.8	16.4	14.9	16.6	18.6	12.3	14.5	17.1	20.1	20.3	14.8	12.1	11.6	10.3	12.9	K	K	K	K	K	K	K	K	K	10.3	20.3	NA
	ESE	ESE	ESE	ESE	ESE	E	E	ESE	SE	SE	ESE	E	E	ENE	E	K	K	K	K	K	K	K	K	K			NA(NA)
May 6	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	23.0	25.4	19.7	18.6	14.7	13.8	8.8	8.8	25.4	NA
	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	W	W	WNW	WNW	NW	NNW	N			NA(NA)
May 7	8.7	6.7	7.6	9.7	13.2	17.1	18.9	23.8	31.4	37.2	38.8	34.5	35.7	34.1	32.6	31.1	34.9	35.4	32.5	35.3	28.2	25.5	24.1	21.9	6.7	38.8	25.8
	NNE	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	W	W	W			289(WNW)
May 8	19.1	19.7	17.9	15.1	13.0	14.8	13.8	14.1	25.3	26.5	25.4	24.6	25.6	28.9	30.2	31.2	32.2	34.5	43.2	40.9	29.3	20.3	15.0	6.4	6.4	43.2	23.6
	WSW	W	W	W	WSW	WSW	WSW	WSW	W	W	W	W	WSW	WSW	W	W	W	W	WNW	WNW	W	W	W	WSW			267(W)
May 9	6.2	7.3	5.9	7.5	7.1	9.4	13.0	18.0	25.4	25.1	20.8	24.4	25.6	28.3	29.1	28.1	25.2	27.7	27.3	21.5	13.8	6.4	1.9	8.3	1.9	29.1	17.2
	SW	WSW	WSW	SW	SW	SSW	WSW	W	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SSW	WSW			280(W)
May 10	5.4	6.9	9.2	12.0	11.5	11.1	18.1	26.8	34.9	35.8	39.7	41.3	37.7	38.3	40.6	46.2	**52.7**	49.8	44.9	36.2	26.8	34.8	23.3	9.7	5.4	**52.7**	28.9
	SW	S	S	S	S	S	SSW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	WNW	WNW	W	W	WNW	WNW	N	NNE			265(W)
May 11	8.3	9.3	14.4	13.4	7.7	2.6	3.2	8.7	11.1	4.4	8.5	9.7	8.2	10.6	11.4	5.9	7.3	6.1	8.1	8.0	4.7	4.5	3.7	5.8	2.6	14.4	7.7
	NNE	N	NNW	NNW	NNW	W	W	NNW	NNW	NW	NW	NW	NW	NW	NW	W	WNW	W	WSW	WSW	S	SSE	SE	ESE			319(NW)
May 12	7.5	7.6	8.8	10.3	12.0	13.2	13.1	11.9	11.9	14.5	9.8	7.1	7.6	8.6	7.3	10.1	14.1	16.4	8.6	10.6	4.5	11.4	18.1	15.1	4.5	18.1	10.8
	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	SSE	S	SW	WSW	W	SW	W	SW	WSW	SW	S	SSW	SSW	SW	WSW	WSW			196(SSW)
May 13	11.4	8.9	8.5	9.0	8.0	8.5	7.4	20.6	28.3	29.7	27.7	31.1	33.7	31.5	28.2	24.9	25.5	31.3	31.1	24.1	19.6	16.8	12.8	14.8	7.4	33.7	20.6
	WSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	W	W	W	W	W	WNW	W	WNW	W	W	W	WSW	WSW	WSW	WSW	WSW			262(W)
May 14	12.2	9.3	10.4	11.2	11.8	12.6	12.7	19.8	21.3	24.6	24.7	26.8	36.1	30.3	30.5	27.9	27.0	26.7	25.5	27.2	15.8	2.3	4.1	4.8	2.3	36.1	19.0
	WSW	SW	SSW	S	S	S	SSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	W	NW	NW	SE	NE	ENE			258(WSW)
May 15	3.7	7.8	4.6	6.6	2.2	4.9	3.9	2.1	7.9	8.8	11.5	5.9	4.5	12.0	12.7	5.0	7.6	6.9	12.0	7.1	9.8	4.4	0.5	4.7	0.5	12.7	6.5
	ENE	ESE	SSE	S	ENE	ENE	E	SSE	SSW	WSW	WNW	W	WSW	SW	WNW	ENE	ENE	ESE	ESE	NNE	ENE	ESE	ESE	S			150(SSE)
May 16	2.1	4.9	3.6	2.1	5.6	6.5	3.2	7.3	6.0	4.3	2.0	4.2	4.8	2.3	8.1	12.5	12.0	18.0	14.3	11.9	14.2	14.0	25.5	26.8	2.0	26.8	9.0
	S	SSE	SSE	NE	E	ENE	E	SSW	WSW	WNW	NW	SW	WNW	NNE	WNW	NNW	N	NNW	N	N	N	N	N	NNW			348(NNW)
May 17	23.0	24.2	23.7	21.8	21.8	21.9	22.6	27.7	30.4	29.9	29.2	29.8	29.6	27.6	25.0	22.0	15.1	12.4	15.8	11.1	5.2	2.2	2.4	3.3	2.2	30.4	19.9
	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	N	NE			344(NNW)
May 18	3.8	4.8	3.3	0.2	**0.0**	0.9	3.5	4.8	10.0	11.5	11.7	13.9	17.1	13.0	10.9	13.7	16.6	17.1	15.9	20.7	11.0	10.5	12.5	16.0	**0.0**	20.7	10.1
	NE	ENE	ENE	SW	E	SSW	SSE	SSW	WSW	WSW	WNW	WNW	NNW	N	N	NNE	N	N	N	N	N	NW	NNW	N			344(NNW)
May 19	11.9	14.5	14.0	13.3	10.9	15.8	20.5	20.5	20.0	18.0	17.3	16.9	17.4	18.5	18.2	19.5	19.8	21.1	16.9	15.5	13.1	6.0	6.3	8.7	6.0	21.1	15.6
	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW			341(NNW)
May 20	6.8	2.5	4.4	6.9	5.9	3.3	4.0	3.6	2.9	1.3	2.7	4.2	1.0	3.5	6.4	4.2	3.7	3.2	5.5	5.8	13.5	17.3	14.2	8.1	1.0	17.3	**5.6**
	N	NNE	NNW	NNW	N	N	NE	E	E	E	NNW	NW	W	SSE	WSW	NNE	ENE	NE	ENE	ENE	SE	ESE	ESE	SSE			80(E)
May 21	3.8	6.0	7.4	2.9	6.7	9.1	12.9	13.5	14.9	14.3	7.7	3.7	4.7	9.9	7.7	2.6	10.3	17.2	13.1	9.3	10.8	9.3	7.4	7.5	2.6	17.2	8.9
	E	NE	E	SSE	SSE	S	SW	WSW	W	W	WNW	WSW	SSW	SE	NW	NNW	ENE	ENE	NE	NE	ENE	ENE	NE	NE			54(NE)
May 22	9.3	7.1	7.7	7.6	8.0	7.5	7.2	7.8	9.1	10.3	12.2	12.3	12.3	11.0	8.9	15.2	11.0	6.0	9.5	8.2	8.8	4.2	2.9	3.4	2.9	15.2	8.6
	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	NNE	N	N	NNE	NNE	NNE	N	NE	NW	NNW	NNE	ENE	ENE	E	ENE			22(NNE)
May 23	6.0	10.3	12.9	7.3	4.4	7.3	11.0	11.2	11.4	7.9	5.0	2.9	7.7	4.8	6.3	6.1	9.3	5.8	8.3	24.1	20.5	19.5	19.3	17.2	2.9	24.1	10.3
	ENE	E	ESE	SE	ESE	ESE	ESE	SE	SE	SE	SSE	ESE	SSE	SSE	S	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE			124(ESE)
May 24	16.8	16.7	15.8	14.7	15.0	15.5	15.3	14.7	12.1	11.2	6.5	5.6	6.2	8.3	6.1	5.3	6.4	5.3	9.4	8.8	11.7	13.5	18.1	19.9	5.3	19.9	11.6
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	ESE	SSE	ESE	SE	SE	SE	ESE	ESE	ESE			123(ESE)
May 25	18.3	16.3	15.2	14.5	10.7	11.6	12.5	14.6	12.4	11.9	10.6	4.5	5.7	2.8	4.6	4.8	6.6	12.5	18.9	15.7	15.8	13.4	13.9	9.7	2.8	18.9	11.6
	ESE	ESE	ESE	SE	SE	ESE	SE	SSE	SSE	SSE	SSE	SE	E	E	NNE	NE	ENE	SSE	SE	ESE	ESE	SSE	S	SSW			133(SE)
May 26	2.3	3.7	7.3	8.8	8.8	9.6	9.6	11.3	11.2	16.0	19.5	19.1	11.6	24.3	26.5	24.9	22.9	24.5	25.6	23.8	21.6	14.0	11.1	7.0	2.3	26.5	15.2
	WSW	ESE	ESE	SSE	SSE	S	SSW	SW	WSW	W	W	W	WSW	W	W	W	W	WSW	WSW	WSW	W	WSW	SW	WSW			250(WSW)
May 27	5.7	4.3	7.2	7.8	9.5	7.4	7.8	7.9	10.0	12.7	9.5	9.7	9.1	12.5	13.6	22.4	23.7	10.2	3.1	8.3	5.0	3.9	5.3	6.9	3.1	23.7	9.3
	SW	SSW	SSE	SSE	S	S	S	SSW	SSW	WSW	WSW	SW	SSW	S	SSW	W	WNW	NW	ESE	ESE	E	ESE	W	SSW			222(SW)
May 28	8.2	7.5	6.5	8.9	7.0	9.8	12.6	17.0	13.6	12.3	11.0	9.0	7.2	5.7	5.6	2.4	2.9	5.3	17.9	14.0	6.6	5.0	4.7	7.9	2.4	17.9	8.7
	SSW	SSW	SSW	S	S	SSW	SSW	SW	WSW	WSW	SW	SW	WSW	WSW	S	SE	NNW	N	NNW	NW	WNW	NNW	NNE	NE			244(WSW)
May 29	7.4	10.4	10.5	15.0	13.5	15.7	14.3	15.8	15.1	15.4	15.0	17.4	15.7	14.9	23.8	18.9	14.3	6.7	16.2	14.4	22.1	17.4	15.4	21.3	6.7	23.8	15.3
	NNE	N	N	NNW	NNW	N	NNW	NW	NW	WNW	NW	NW	NNW	NW	NNW	NNW	N	NW	W	W	WSW	WSW	SW	WSW			314(NW)
May 30	20.8	22.3	25.1	19.3	20.7	25.6	28.6	27.5	31.8	30.5	31.4	31.8	36.6	38.3	43.0	17.0	44.6	49.3	45.9	40.3	30.1	21.7	14.7	18.8	14.7	49.3	**29.8**
	W	W	W	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	N	WNW	WNW	WNW	WNW	WNW	WNW	W	W			283(W)
May 31	17.8	17.3	18.5	18.1	30.3	29.0	28.0	27.0	30.1	32.4	31.1	33.3	32.3	36.1	36.9	17.7	22.2	20.1	9.3	6.5	6.8	3.8	1.6	0.4	0.4	36.9	21.1
	W	W	W	WNW	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNW	NW	NNW	NW	NNE	NE	ESE	S			295(WNW)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

PRC STATION

Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

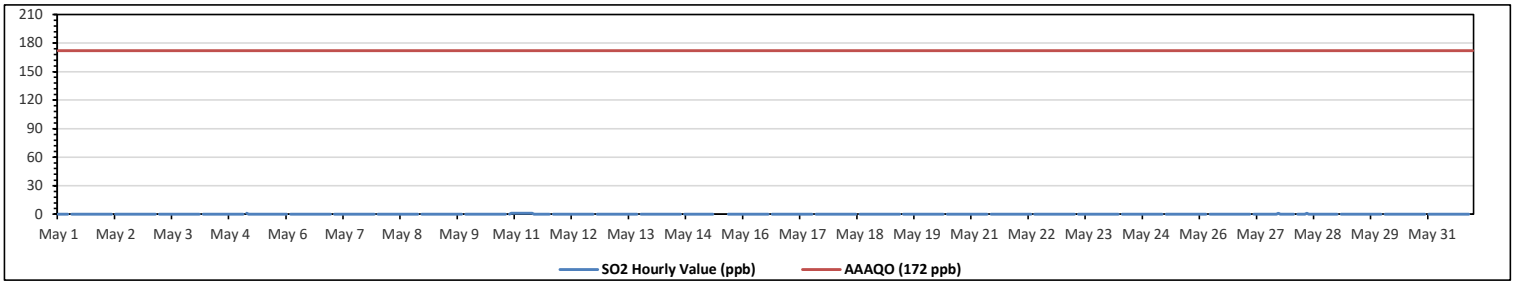
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

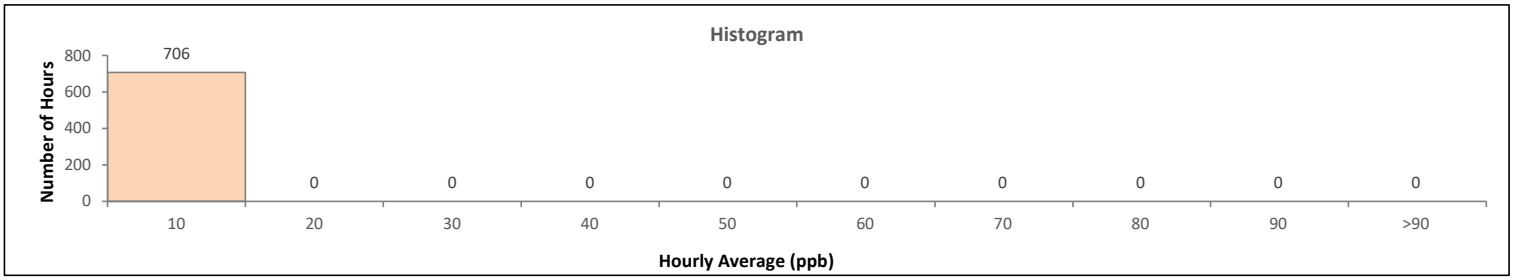
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on May 5 at hr 3	Hours in Service:	744	
Maximum Daily Value:	0.4	ppb	on May 11	Hours of Data:	706	
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	38	
Monthly Average:	0.0	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 4	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 5	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 6	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 7	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	1	0	1	0.1
May 11	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.4
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
May 15	0	0	0	0	0	0	0	0	0	C	C	C	C	C	0	S	0	0	0	0	0	0	0	0	0	0	0.0
May 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 17	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0.0
May 28	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 29	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 30	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1			
Diurnal Average	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



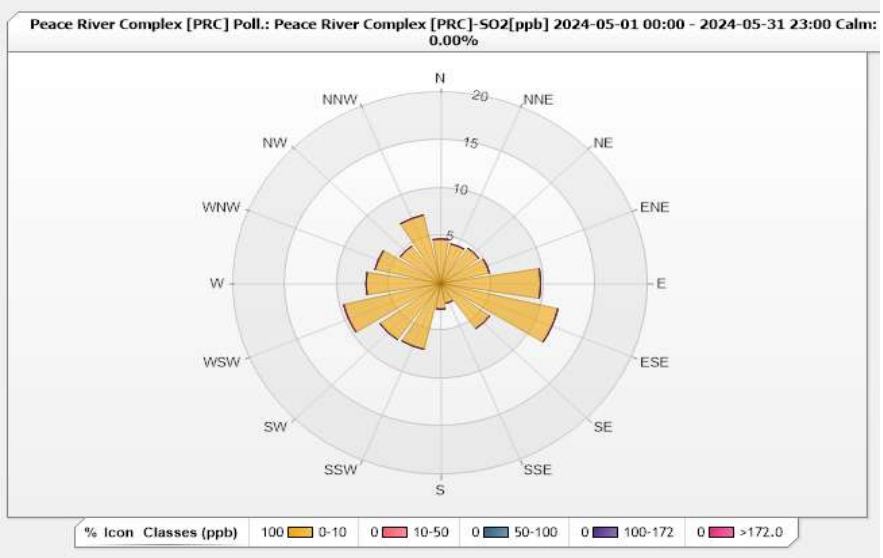


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	4.67	0	0	0	0	4.67
NNE	4.25	0	0	0	0	4.25
NE	4.53	0	0	0	0	4.53
ENE	4.82	0	0	0	0	4.82
E	9.63	0	0	0	0	9.63
ESE	11.61	0	0	0	0	11.61
SE	5.81	0	0	0	0	5.81
SSE	2.12	0	0	0	0	2.12
S	2.69	0	0	0	0	2.69
SSW	7.08	0	0	0	0	7.08
SW	7.22	0	0	0	0	7.22
WSW	9.63	0	0	0	0	9.63
W	7.22	0	0	0	0	7.22
WNW	6.52	0	0	0	0	6.52
NW	4.82	0	0	0	0	4.82
NNW	7.37	0	0	0	0	7.37
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb

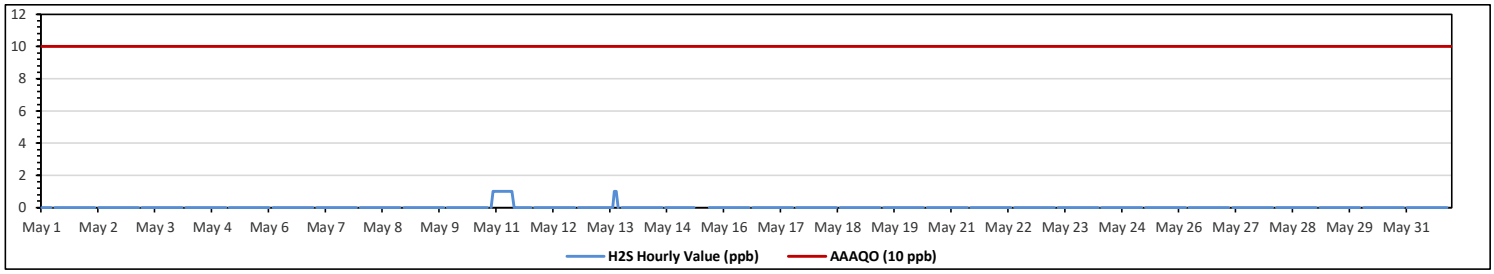
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0	
Maximum Hourly Value:	1	ppb	on May 10 at hr 22	Hours in Service:	744
Maximum Daily Value:	0.0	ppb	on May 1	Hours of Data:	706
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	38
Monthly Average:	0.0	ppb		Operational Uptime:	100.0

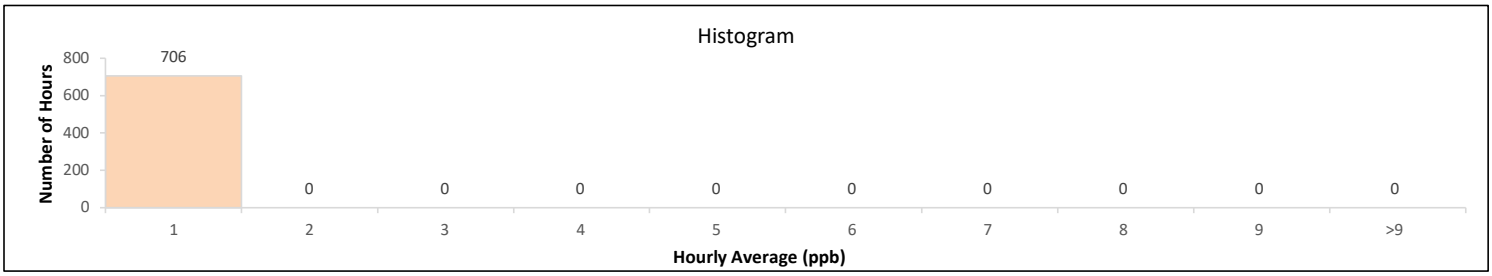
Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 4	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 5	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 6	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 7	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	1	0	1	0.0
May 11	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.0
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	S	0	0	0	0	0	0	0	1	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
May 15	0	0	0	0	0	0	0	0	0	C	C	C	C	C	0	S	0	0	0	0	0	0	0	0	0	0	0.0
May 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 17	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 29	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 30	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



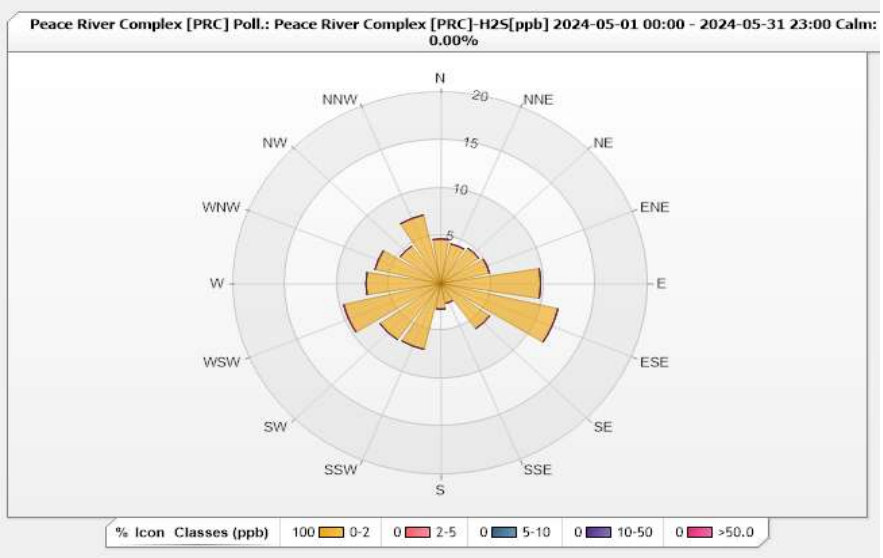


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.67	0	0	0	0	4.67
NNE	4.25	0	0	0	0	4.25
NE	4.53	0	0	0	0	4.53
ENE	4.82	0	0	0	0	4.82
E	9.63	0	0	0	0	9.63
ESE	11.61	0	0	0	0	11.61
SE	5.81	0	0	0	0	5.81
SSE	2.12	0	0	0	0	2.12
S	2.69	0	0	0	0	2.69
SSW	7.08	0	0	0	0	7.08
SW	7.22	0	0	0	0	7.22
WSW	9.63	0	0	0	0	9.63
W	7.22	0	0	0	0	7.22
WNW	6.52	0	0	0	0	6.52
NW	4.82	0	0	0	0	4.82
NNW	7.37	0	0	0	0	7.37
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

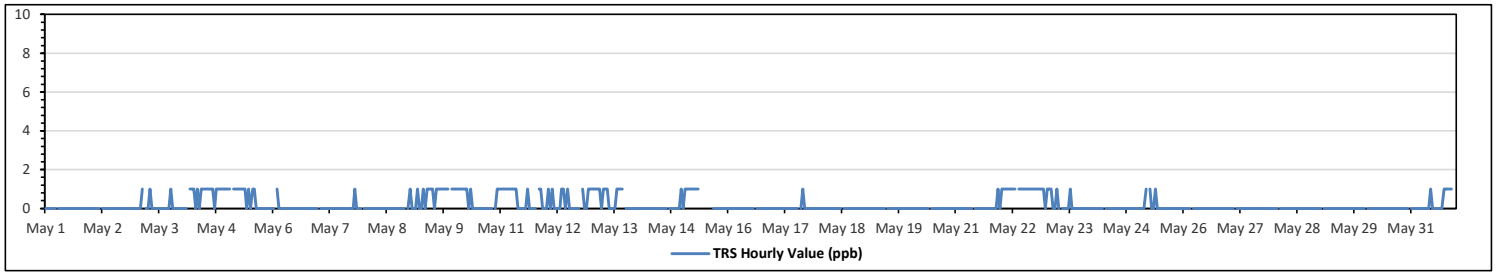
TOTAL REDUCED SULPHUR (TRS) in ppb

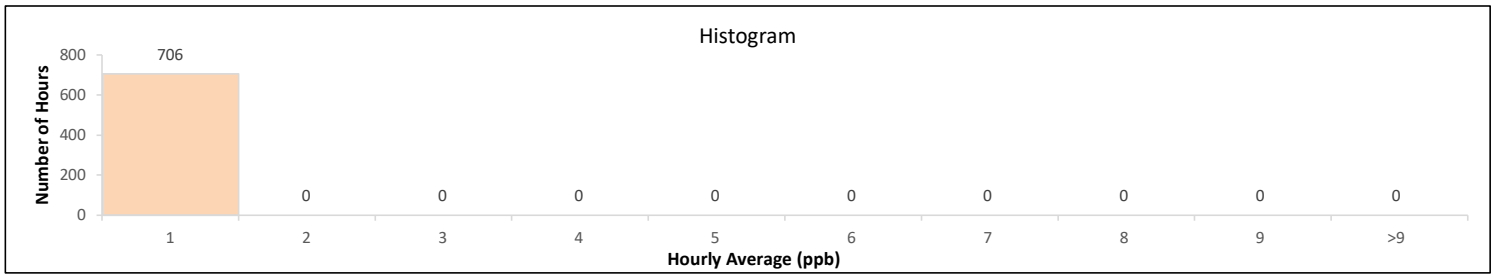
Maximum Hourly Value:	1 ppb	on May 3 at hr 3	Hours in Service:	744	
Maximum Daily Value:	1.0 ppb	on May 22	Hours of Data:	706	
Minimum Hourly Value:	0 ppb	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0 ppb	on May 1	Hours of Calibration:	38	
Monthly Average:	0.2 ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	1	S	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.1
May 4	0	0	0	S	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0.7
May 5	1	1	S	1	1	1	1	1	1	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0.5
May 6	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 7	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	1	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 9	1	0	0	0	1	0	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	S	1	1	0	1	0.7
May 10	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	0	1	0.4
May 11	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	S	1	1	0	0	0	1	0.5
May 12	0	1	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	S	1	0	0	1	1	0	1	0.3
May 13	1	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1	1	S	0	0	0	0	0	0	0	1	0.5
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	1	0.0
May 15	0	1	1	1	1	1	1	1	1	C	C	C	C	C	0	S	0	0	0	0	0	0	0	0	0	1	0.4
May 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 17	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	0	0	0	0	0	0	1	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.0
May 22	1	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1.0
May 23	1	1	1	0	0	1	0	S	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
May 24	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	0	1	S	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
May 26	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 29	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 30	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	S	1	0	1	0.3
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



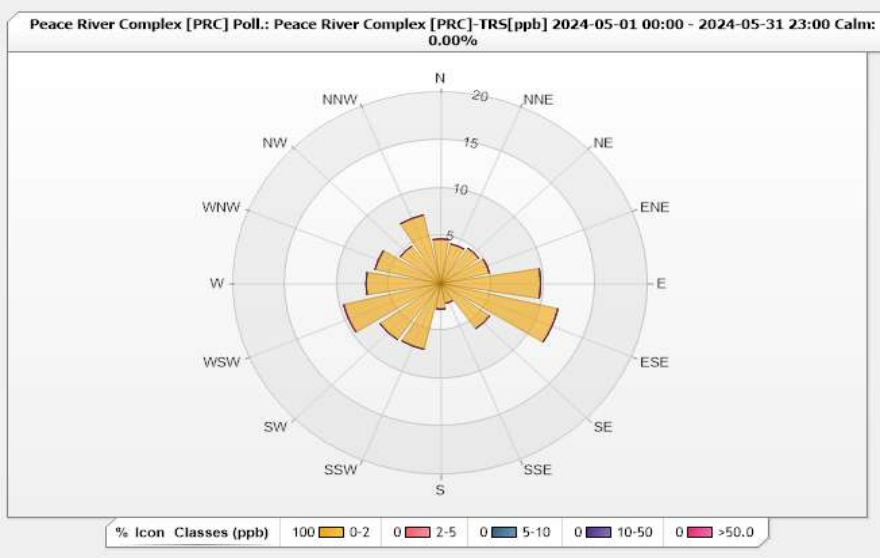


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.67	0	0	0	0	4.67
NNE	4.25	0	0	0	0	4.25
NE	4.53	0	0	0	0	4.53
ENE	4.82	0	0	0	0	4.82
E	9.63	0	0	0	0	9.63
ESE	11.61	0	0	0	0	11.61
SE	5.81	0	0	0	0	5.81
SSE	2.12	0	0	0	0	2.12
S	2.69	0	0	0	0	2.69
SSW	7.08	0	0	0	0	7.08
SW	7.22	0	0	0	0	7.22
WSW	9.63	0	0	0	0	9.63
W	7.22	0	0	0	0	7.22
WNW	6.52	0	0	0	0	6.52
NW	4.82	0	0	0	0	4.82
NNW	7.37	0	0	0	0	7.37
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

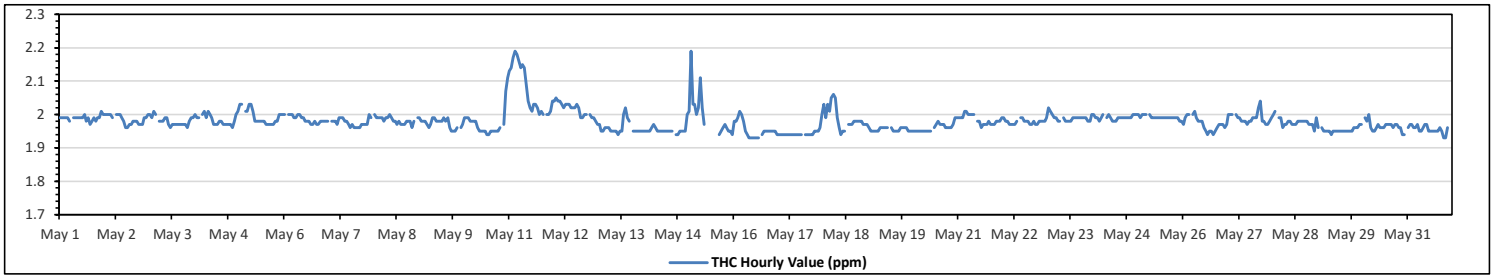
TOTAL HYDROCARBONS (THC) in ppm

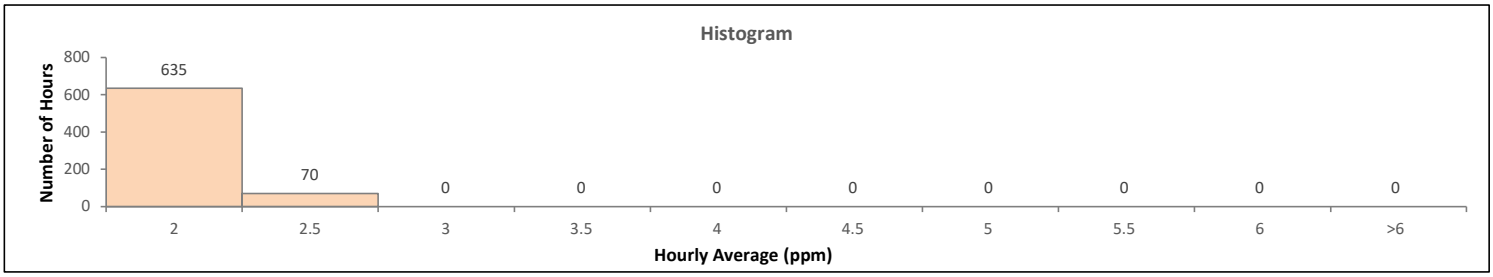
Maximum Hourly Value:	2.19	ppm	on May 11 at hr 3	Hours in Service:	744
Maximum Daily Value:	2.07	ppm	on May 11	Hours of Data:	705
Minimum Hourly Value:	1.93	ppm	on May 16 at hr 8	Hours of Missing Data:	0
Minimum Daily Value:	1.94	ppm	on May 17	Hours of Calibration:	39
Monthly Average:	1.98	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.99	1.99	1.99	1.99	1.99	1.98	S	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.98	1.99	1.97	1.98	1.99	1.98	1.99	1.99	2.01	2.00	1.97	2.01	1.99
May 2	2.00	2.00	2.00	2.00	1.99	S	2.00	2.00	2.00	1.99	1.98	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.97	1.97	1.99	1.99	2.00	1.96	2.00	1.98
May 3	2.00	1.99	2.01	2.00	S	1.98	1.98	1.98	1.99	1.99	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.98	1.99	1.99	1.96	2.01	1.98
May 4	2.00	1.99	1.99	S	2.00	2.01	1.99	2.01	2.00	1.99	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.98	2.00	2.01	1.96	2.01	1.98
May 5	2.03	2.03	S	2.01	2.01	2.03	2.03	2.01	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.98	2.00	2.00	2.00	1.97	2.03	1.99
May 6	2.00	S	2.00	2.00	2.00	1.99	1.99	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.99
May 7	S	1.98	1.98	1.98	1.97	1.99	1.99	1.99	1.98	1.98	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	2.00	1.99	S	1.96	2.00	1.98
May 8	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.00	1.99	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.96	1.98	S	1.99	1.96	2.00	1.98
May 9	1.99	1.98	1.98	1.98	1.97	1.96	1.97	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.98	1.99	1.96	1.95	1.95	1.95	1.96	S	1.96	1.97	1.95	1.99	1.97
May 10	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.96	S	1.97	2.07	2.11	1.94	2.11	1.97
May 11	2.13	2.14	2.17	**2.19**	2.18	2.16	2.14	2.15	2.14	2.09	2.04	2.02	2.01	2.03	2.03	2.02	2.00	2.01	2.00	S	2.00	2.00	2.01	2.04	2.00	**2.19**	**2.07**
May 12	2.04	2.05	2.04	2.04	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	1.99	1.99	2.00	2.00	S	2.00	1.99	1.99	1.98	1.97	1.97	2.05	2.01
May 13	1.97	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.94	1.95	1.95	2.00	2.02	1.99	1.98	S	1.95	1.95	1.95	1.95	1.95	1.95	1.94	2.02	1.96
May 14	1.95	1.95	1.95	1.95	1.96	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.95	1.95	1.95	1.95	2.00	1.94	2.00	1.95
May 15	2.01	**2.19**	2.03	2.03	2.00	2.02	2.11	2.02	1.97	C	C	C	C	C	C	S	1.94	1.95	1.96	1.97	1.96	1.95	1.95	1.94	1.94	**2.19**	NA
May 16	1.98	1.98	1.99	2.01	2.00	1.98	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	S	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.93	2.01	1.95
May 17	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	2.00	1.94	2.00	1.94
May 18	2.03	1.99	2.03	2.01	2.05	2.06	2.05	1.99	1.96	1.94	1.95	1.95	S	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.94	2.06	1.99
May 19	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	S	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.95
May 20	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	S	1.96	1.97	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.99	1.99	1.95	1.99	1.96
May 21	1.99	1.99	1.99	2.01	2.01	2.00	2.00	2.00	2.00	S	1.98	1.98	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.96	2.01	1.98
May 22	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.98	S	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.97	1.99	1.98
May 23	2.02	2.01	2.00	1.99	1.99	1.98	1.98	S	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	2.00	1.98	2.02	1.99
May 24	2.00	1.99	1.99	1.98	1.99	2.00	S	1.99	2.00	1.99	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.98	2.00	1.99
May 25	2.00	1.99	2.00	2.00	2.00	S	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	2.00	1.99
May 26	1.97	1.99	2.00	2.00	S	2.00	2.01	1.99	1.98	1.98	1.98	1.96	1.95	1.94	1.95	1.95	1.94	1.95	1.96	1.97	1.97	1.97	1.96	1.97	1.94	2.01	1.97
May 27	2.00	2.00	2.00	S	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.98	1.98	1.99	1.99	1.99	2.02	2.04	1.98	1.98	1.97	1.97	1.98	1.99	1.97	2.04	1.99
May 28	2.00	2.01	S	1.99	1.99	1.96	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.95	1.99	1.95	2.01	1.98
May 29	1.96	S	1.96	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.94	1.97	1.95
May 30	S	1.99	1.98	2.00	1.96	1.95	1.95	1.96	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.96	1.97	1.97	1.96	1.96	1.94	1.94	S	1.94	2.00	1.96
May 31	1.96	1.97	1.97	1.96	1.96	1.97	1.95	1.95	1.96	1.97	1.97	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.93	1.93	1.96	S	1.97	1.93	1.97	1.96
Diurnal Maximum	2.13	2.19	2.17	2.19	2.18	2.16	2.14	2.15	2.14	2.09	2.04	2.02	2.03	2.03	2.03	2.02	2.02	2.04	2.00	2.00	2.00	2.00	2.07	2.11			
Diurnal Average	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



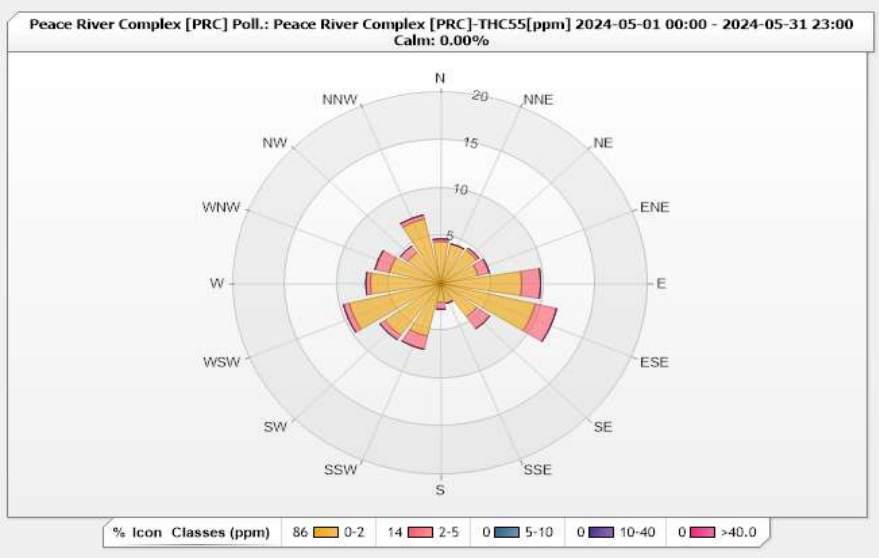


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.76% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.4	0.28	0	0	0	4.68
NNE	4.26	0	0	0	0	4.26
NE	4.26	0.28	0	0	0	4.54
ENE	3.69	1.13	0	0	0	4.82
E	7.8	1.84	0	0	0	9.64
ESE	9.36	2.13	0	0	0	11.49
SE	4.26	1.56	0	0	0	5.82
SSE	2.13	0	0	0	0	2.13
S	1.99	0.71	0	0	0	2.7
SSW	5.67	1.42	0	0	0	7.09
SW	6.67	0.57	0	0	0	7.24
WSW	9.08	0.57	0	0	0	9.65
W	6.81	0.43	0	0	0	7.24
WNW	5.11	1.42	0	0	0	6.53
NW	3.97	0.85	0	0	0	4.82
NNW	6.95	0.43	0	0	0	7.38
Summary	86.41	13.62	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

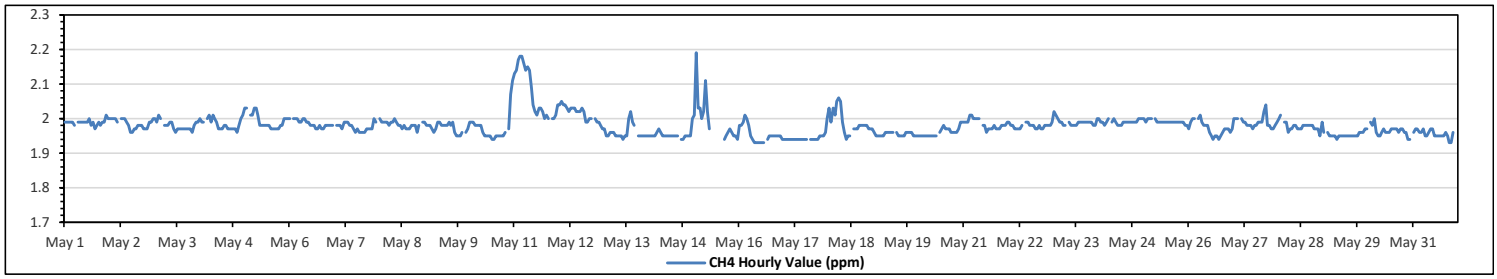
METHANE (CH4) in ppm

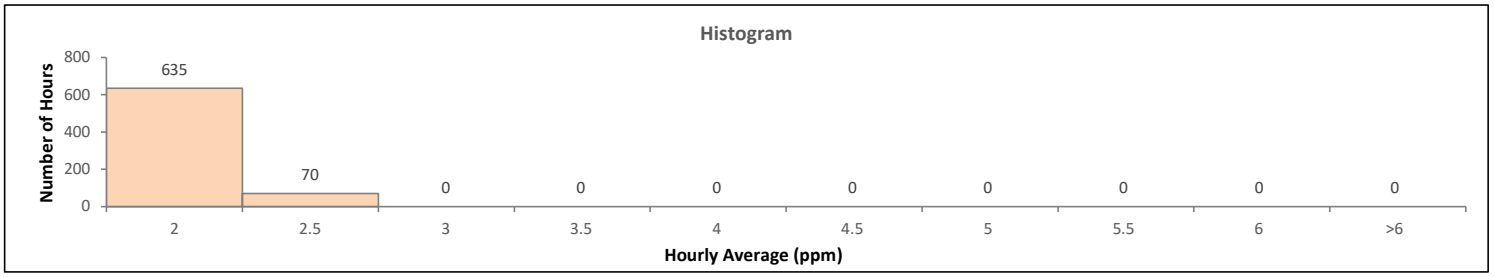
Maximum Hourly Value:	2.19	ppm	on May 15 at hr 1	Hours in Service:	744
Maximum Daily Value:	2.07	ppm	on May 11	Hours of Data:	705
Minimum Hourly Value:	1.93	ppm	on May 16 at hr 8	Hours of Missing Data:	0
Minimum Daily Value:	1.94	ppm	on May 17	Hours of Calibration:	39
Monthly Average:	1.98	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.99	1.99	1.99	1.99	1.99	1.98	S	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.98	1.99	1.97	1.98	1.99	1.98	1.99	1.99	2.01	2.00	1.97	2.01	1.99
May 2	2.00	2.00	2.00	2.00	1.99	S	2.00	2.00	2.00	1.99	1.98	1.96	1.96	1.97	1.97	1.98	1.98	1.98	1.97	1.97	1.97	1.99	1.99	2.00	1.96	2.00	1.98
May 3	2.00	1.99	2.01	2.00	S	1.98	1.98	1.98	1.99	1.99	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.98	1.99	1.99	1.96	2.01	1.98
May 4	2.00	1.99	1.99	S	2.00	2.01	1.99	2.01	2.00	1.99	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.96	1.98	2.00	2.01	1.96	2.01	1.98
May 5	2.03	2.03	S	2.01	2.01	2.03	2.03	2.01	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.98	1.98	2.00	2.00	2.00	1.97	2.03	1.99
May 6	2.00	S	2.00	2.00	2.00	1.99	1.99	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	2.00	1.99
May 7	S	1.98	1.98	1.98	1.97	1.99	1.99	1.99	1.98	1.98	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	2.00	1.99	S	1.96	2.00	1.98
May 8	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.00	1.99	1.98	1.98	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.96	1.98	S	1.99	1.96	2.00	1.98
May 9	1.99	1.98	1.98	1.98	1.97	1.96	1.97	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.98	1.99	1.96	1.95	1.95	1.95	1.96	S	1.96	1.97	1.95	1.99	1.97
May 10	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.96	S	1.97	2.07	2.11	1.94	2.11	1.97
May 11	2.13	2.14	2.17	2.18	2.18	2.16	2.14	2.15	2.14	2.09	2.04	2.02	2.01	2.03	2.03	2.02	2.00	2.01	2.00	S	2.00	2.00	2.01	2.04	2.00	2.18	**2.07**
May 12	2.04	2.05	2.04	2.04	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.02	2.03	2.02	1.99	1.99	2.00	2.00	S	2.00	1.99	1.99	1.98	1.97	1.97	2.05	2.01
May 13	1.97	1.95	1.95	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.94	1.95	1.95	2.00	2.02	1.99	1.98	S	1.95	1.95	1.95	1.95	1.95	1.95	1.94	2.02	1.96
May 14	1.95	1.95	1.95	1.95	1.96	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.95	1.95	1.95	1.95	2.00	1.94	2.00	1.95
May 15	2.01	**2.19**	2.03	2.03	2.00	2.02	2.11	2.02	1.97	C	C	C	C	C	C	S	1.94	1.95	1.96	1.97	1.96	1.95	1.95	1.94	1.94	**2.19**	NA
May 16	1.98	1.98	1.99	2.01	2.00	1.98	1.95	1.94	1.93	1.93	1.93	1.93	1.93	1.93	S	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.93	2.01	1.95
May 17	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	S	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96	2.00	1.94	2.00	1.94
May 18	2.03	1.99	2.03	2.01	2.05	2.06	2.05	1.99	1.96	1.94	1.95	1.95	S	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.94	2.06	1.99
May 19	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	S	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.95
May 20	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	S	1.96	1.97	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	1.99	1.99	1.95	1.99	1.96
May 21	1.99	1.99	1.99	2.01	2.01	2.00	2.00	2.00	2.00	S	1.98	1.98	1.96	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.96	2.01	1.98
May 22	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.98	S	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.97	1.99	1.98
May 23	2.02	2.01	2.00	1.99	1.99	1.98	1.98	S	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	2.00	1.98	2.02	1.99
May 24	2.00	1.99	1.99	1.98	1.99	2.00	S	1.99	2.00	1.99	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.98	2.00	1.99
May 25	2.00	1.99	2.00	2.00	2.00	S	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	2.00	1.99
May 26	1.97	1.99	2.00	2.00	S	2.00	2.01	1.99	1.98	1.98	1.98	1.96	1.95	1.94	1.95	1.95	1.94	1.95	1.96	1.97	1.97	1.97	1.96	1.97	1.94	2.01	1.97
May 27	2.00	2.00	2.00	S	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.98	1.98	1.99	1.99	1.99	2.02	2.04	1.98	1.98	1.97	1.97	1.98	1.99	1.97	2.04	1.99
May 28	2.00	2.01	S	1.99	1.99	1.96	1.97	1.97	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.95	1.99	1.95	2.01	1.98
May 29	1.96	S	1.96	1.95	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.94	1.97	1.95
May 30	S	1.99	1.98	2.00	1.96	1.95	1.95	1.96	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.96	1.97	1.97	1.96	1.96	1.94	1.94	S	1.94	2.00	1.96
May 31	1.96	1.97	1.97	1.96	1.96	1.97	1.95	1.95	1.96	1.97	1.97	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.93	1.93	1.96	S	1.97	1.93	1.97	1.96
Diurnal Maximum	2.13	2.19	2.17	2.18	2.18	2.16	2.14	2.15	2.14	2.09	2.04	2.02	2.03	2.03	2.03	2.02	2.02	2.04	2.00	2.00	2.00	2.00	2.07	2.11			
Diurnal Average	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



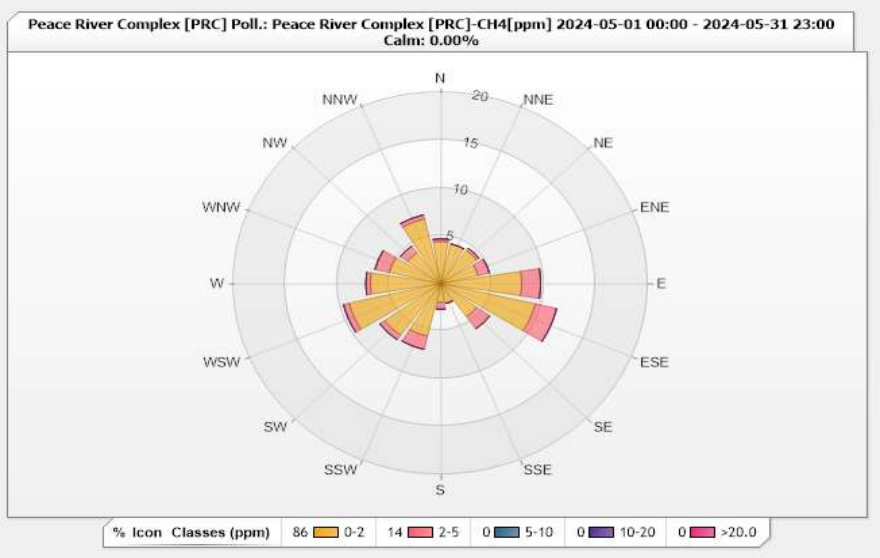


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.76% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.4	0.28	0	0	0	4.68
NNE	4.26	0	0	0	0	4.26
NE	4.26	0.28	0	0	0	4.54
ENE	3.69	1.13	0	0	0	4.82
E	7.8	1.84	0	0	0	9.64
ESE	9.36	2.13	0	0	0	11.49
SE	4.26	1.56	0	0	0	5.82
SSE	2.13	0	0	0	0	2.13
S	1.99	0.71	0	0	0	2.7
SSW	5.67	1.42	0	0	0	7.09
SW	6.67	0.57	0	0	0	7.24
WSW	9.08	0.57	0	0	0	9.65
W	6.81	0.43	0	0	0	7.24
WNW	5.11	1.42	0	0	0	6.53
NW	3.97	0.85	0	0	0	4.82
NNW	6.95	0.43	0	0	0	7.38
Summary	86.41	13.62	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

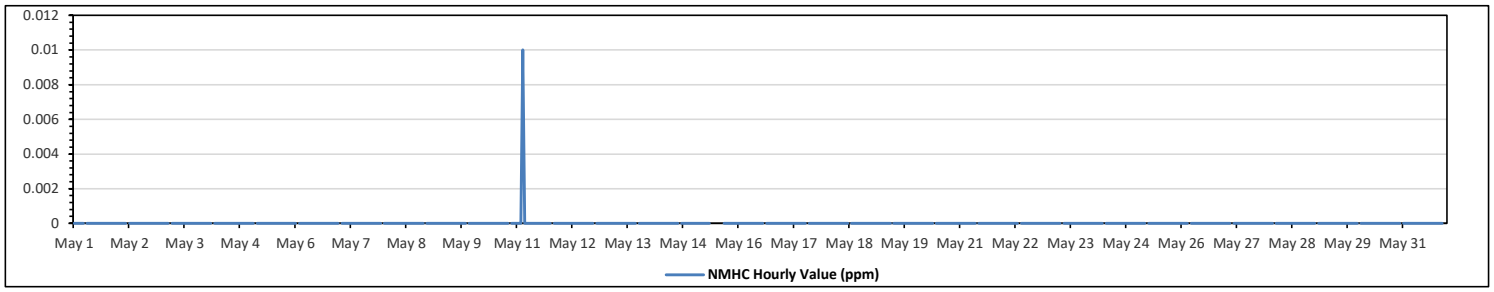
NON-METHANE HYDROCARBONS (NMHC) in ppm

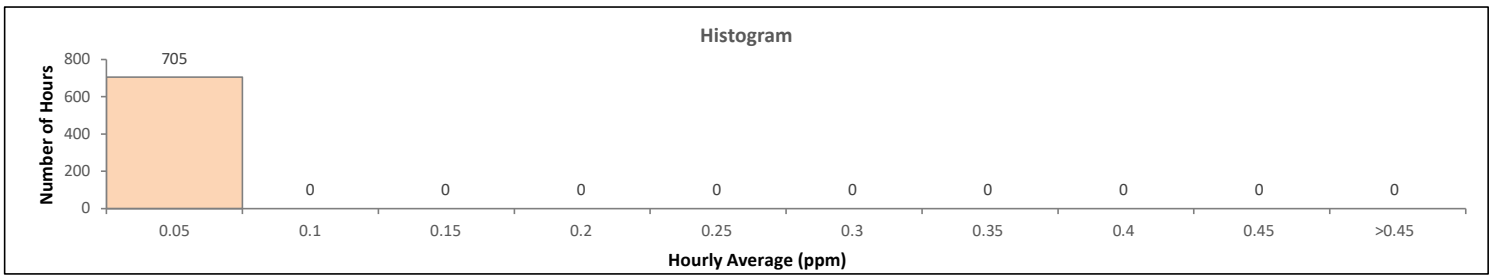
Maximum Hourly Value:	0.01	ppm	on May 11 at hr 3	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on May 11	Hours of Data:	705
Minimum Hourly Value:	0.00	ppm	on May 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on May 1	Hours of Calibration:	39
Monthly Average:	0.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 2	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 3	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 4	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 5	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 6	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 7	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
May 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
May 11	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	**0.01**	**0.00**
May 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	C	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
May 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 24	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 25	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 26	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 27	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 28	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 29	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 30	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



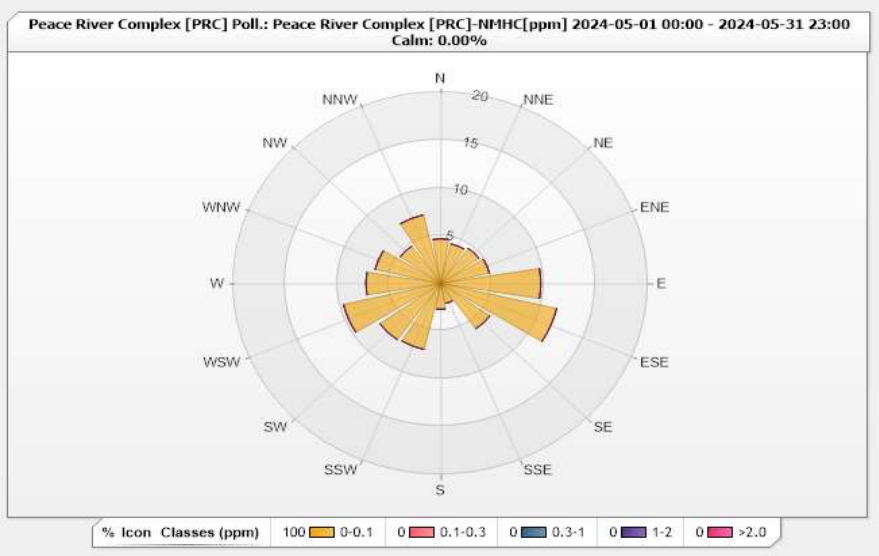


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.76% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.68	0	0	0	0	4.68
NNE	4.26	0	0	0	0	4.26
NE	4.54	0	0	0	0	4.54
ENE	4.82	0	0	0	0	4.82
E	9.65	0	0	0	0	9.65
ESE	11.49	0	0	0	0	11.49
SE	5.82	0	0	0	0	5.82
SSE	2.13	0	0	0	0	2.13
S	2.7	0	0	0	0	2.7
SSW	7.09	0	0	0	0	7.09
SW	7.23	0	0	0	0	7.23
WSW	9.65	0	0	0	0	9.65
W	7.23	0	0	0	0	7.23
WNW	6.52	0	0	0	0	6.52
NW	4.82	0	0	0	0	4.82
NNW	7.38	0	0	0	0	7.38
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

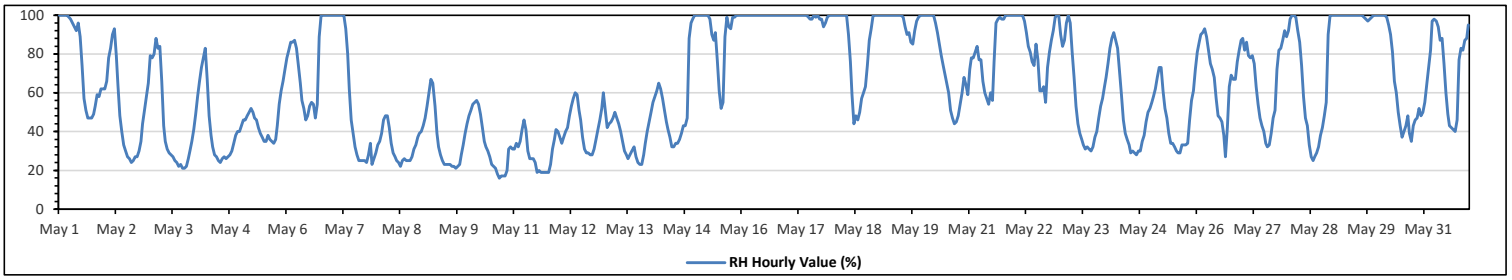
Maximum Hourly Value:	100	%	on May 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	100.0	%	on May 16	Hours of Data:	744
Minimum Hourly Value:	16	%	on May 10 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	29.0	%	on May 11	Hours of Calibration:	0
Monthly Average:	62.9	%		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	**100**	**100**	**100**	**100**	**100**	99	98	96	94	92	96	89	74	57	51	47	47	47	49	53	59	58	62	62	47	**100**	76.3
May 2	62	66	78	83	90	93	79	64	48	40	33	30	27	26	24	25	27	27	30	35	44	51	58	65	24	93	50.2
May 3	79	78	80	88	83	84	66	43	35	31	29	28	27	25	24	22	23	21	21	22	26	30	35	41	21	88	43.4
May 4	49	58	66	73	78	83	67	48	38	32	28	27	25	24	26	27	26	27	28	30	34	38	40	40	24	83	42.2
May 5	43	46	46	48	50	52	50	47	46	42	39	37	35	35	38	36	35	34	36	43	54	61	66	72	34	72	45.5
May 6	78	82	86	86	87	83	74	65	56	52	46	48	53	55	54	47	54	89	**100**	**100**	**100**	**100**	**100**	**100**	46	**100**	74.8
May 7	**100**	**100**	**100**	**100**	**100**	**100**	**100**	93	80	62	46	39	32	28	25	25	25	25	24	28	34	23	26	29	23	**100**	56.0
May 8	33	35	39	46	48	48	42	34	29	27	25	24	22	25	26	25	25	25	27	31	33	37	39	40	22	48	32.7
May 9	43	47	53	60	67	65	53	39	32	28	25	23	23	23	23	22	22	21	22	23	28	33	39	44	21	67	35.8
May 10	48	51	54	55	56	54	49	42	35	32	30	27	23	22	21	18	**16**	17	17	17	20	31	32	31	**16**	56	33.3
May 11	31	34	32	35	41	46	41	30	26	26	26	24	19	20	19	19	19	19	19	23	31	36	41	40	19	46	**29.0**
May 12	37	34	37	40	42	48	53	57	60	59	51	46	37	31	29	29	28	28	31	36	41	46	52	60	28	60	42.2
May 13	51	42	44	45	47	50	47	44	40	35	30	28	26	28	30	32	27	24	23	23	28	34	40	45	23	51	36.0
May 14	50	55	58	61	65	62	57	51	45	41	37	32	32	34	34	36	39	43	43	47	88	96	98	**100**	32	**100**	54.3
May 15	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	90	87	91	77	61	52	55	89	99	94	93	99	99	**100**	**100**	**100**	52	**100**	91.0
May 16	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	100	**100**	**100.0**
May 17	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	98	98	**100**	99	**100**	98	98	94	96	99	**100**	**100**	94	**100**	99.1
May 18	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	90	76	59	44	48	46	50	57	60	63	74	87	93	**100**	**100**	**100**	44	**100**	81.1
May 19	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	94	90	91	86	85	92	97	99	**100**	**100**	85	**100**	97.2
May 20	**100**	**100**	**100**	**100**	**100**	**100**	96	91	85	79	74	69	65	60	51	47	44	45	48	54	60	68	64	59	44	**100**	73.3
May 21	72	78	78	81	84	77	77	66	60	57	54	60	56	76	96	98	99	98	98	**100**	**100**	**100**	**100**	**100**	54	**100**	81.9
May 22	**100**	**100**	**100**	**100**	**100**	97	91	84	81	76	74	85	77	61	61	63	55	73	81	87	92	99	**100**	**100**	55	**100**	84.9
May 23	90	84	87	96	**100**	96	81	68	53	44	39	36	33	31	32	31	30	32	37	40	47	53	57	63	30	**100**	56.7
May 24	68	75	83	88	91	87	83	71	59	46	39	36	33	29	30	29	28	30	30	35	38	45	50	52	28	91	52.3
May 25	55	58	62	68	73	73	61	52	47	39	34	34	32	30	29	29	33	33	33	34	46	56	61	72	29	73	47.7
May 26	81	86	90	91	93	89	82	75	72	68	57	48	47	45	38	27	42	63	69	67	67	76	82	87	27	93	68.4
May 27	88	82	86	79	78	79	75	63	54	47	43	40	34	32	33	39	47	51	72	82	83	87	92	89	32	92	64.8
May 28	92	98	**100**	**100**	99	92	86	74	58	47	43	33	27	25	27	29	32	38	42	48	55	90	**100**	**100**	25	**100**	64.0
May 29	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	98	97	98	99	**100**	**100**	**100**	97	**100**	99.6
May 30	**100**	**100**	**100**	**100**	99	95	90	81	66	60	50	43	37	40	43	48	39	35	43	46	47	52	48	50	35	**100**	63.0
May 31	55	64	73	82	97	98	97	94	87	88	75	60	49	43	42	41	40	46	77	83	82	87	88	95	40	98	72.6
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
Diurnal Average	74.4	75.9	78.5	80.8	82.8	82.3	77.3	70.0	63.4	58.5	54.0	50.5	46.8	45.2	45.3	46.0	46.8	49.4	53.1	56.7	62.0	67.3	70.0	72.1			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

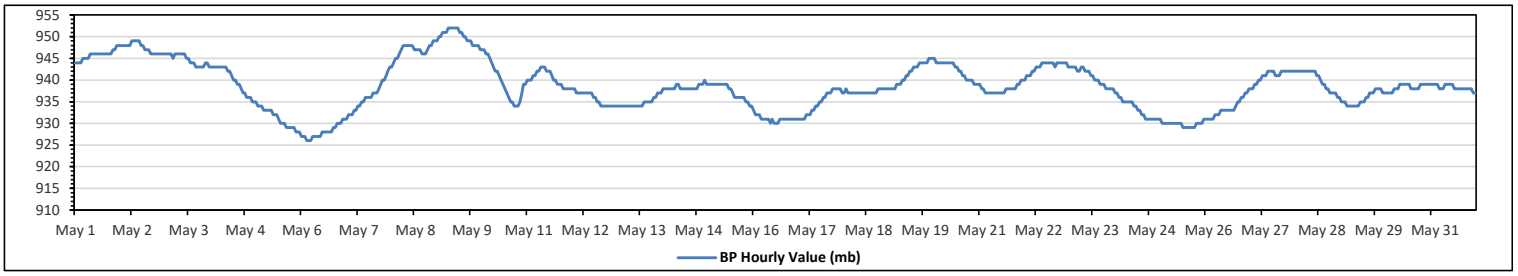
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	952	mb	on May 9 at hr 6	Hours in Service:	744
Maximum Daily Value:	950	mb	on May 9	Hours of Data:	744
Minimum Hourly Value:	926	mb	on May 6 at hr 3	Hours of Missing Data:	0
Minimum Daily Value:	928	mb	on May 6	Hours of Calibration:	0
Monthly Average:	939	mb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	944	944	944	944	945	945	945	945	946	946	946	946	946	946	946	946	946	946	946	946	947	947	948	948	944	948	946
May 2	948	948	948	948	948	948	949	949	949	949	949	948	948	947	947	947	946	946	946	946	946	946	946	946	946	949	947
May 3	946	946	946	946	945	946	946	946	946	946	946	945	945	944	944	944	943	943	943	943	943	944	944	943	943	946	945
May 4	943	943	943	943	943	943	943	943	943	942	942	941	940	940	939	939	938	937	937	936	936	936	935	935	935	943	940
May 5	935	934	934	934	933	933	933	933	933	932	932	932	931	930	930	930	929	929	929	929	929	928	928	928	928	935	931
May 6	927	927	927	**926**	**926**	**926**	927	927	927	927	927	928	928	928	928	928	928	929	929	930	930	930	931	931	**926**	931	**928**
May 7	931	932	932	932	933	933	934	934	935	935	936	936	936	936	937	937	937	938	939	940	940	941	942	943	931	943	936
May 8	943	944	945	945	946	947	948	948	948	948	948	948	947	947	947	947	946	946	946	947	948	948	949	949	943	949	947
May 9	949	950	950	951	951	951	**952**	**952**	**952**	**952**	**952**	**952**	951	951	950	950	949	949	949	948	948	948	948	947	947	**952**	**950**
May 10	947	947	946	946	945	944	943	942	942	941	940	939	938	937	936	935	935	934	934	934	935	937	939	939	934	947	940
May 11	940	940	940	941	941	942	942	943	943	943	942	942	942	941	940	940	939	939	939	938	938	938	938	938	938	943	940
May 12	938	938	937	937	937	937	937	937	937	937	937	936	936	935	935	934	934	934	934	934	934	934	934	934	934	938	936
May 13	934	934	934	934	934	934	934	934	934	934	934	934	934	934	935	935	935	935	935	936	936	937	937	937	934	937	935
May 14	938	938	938	938	938	938	938	939	939	938	938	938	938	938	938	938	938	938	938	939	939	939	940	939	938	940	938
May 15	939	939	939	939	939	939	939	939	939	939	939	938	938	937	936	936	936	936	936	936	935	935	934	934	934	939	937
May 16	933	932	932	932	931	931	931	931	931	930	931	930	930	930	931	931	931	931	931	931	931	931	931	931	930	933	931
May 17	931	931	931	931	932	932	932	933	933	934	934	935	935	936	936	937	937	937	938	938	938	938	938	937	931	938	935
May 18	937	938	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	938	938	938	938	938	938	937	938	937
May 19	938	938	938	938	939	939	939	940	940	941	941	942	942	943	943	943	944	944	944	944	944	945	945	945	938	945	942
May 20	945	944	944	944	944	944	944	944	944	944	944	943	943	942	942	941	941	940	940	940	940	939	939	939	939	945	942
May 21	939	938	938	937	937	937	937	937	937	937	937	937	937	937	938	938	938	938	938	938	939	939	940	940	937	940	938
May 22	940	941	941	941	942	942	943	943	943	944	944	944	944	944	944	944	943	944	944	944	944	944	944	943	940	944	943
May 23	943	943	943	943	942	942	943	943	942	942	942	941	941	940	940	940	939	939	939	938	938	938	938	938	938	943	941
May 24	937	937	936	936	935	935	935	935	935	935	934	934	933	933	932	932	931	931	931	931	931	931	931	931	931	937	933
May 25	931	930	930	930	930	930	930	930	930	930	930	930	929	929	929	929	929	929	929	930	930	930	930	931	929	931	930
May 26	931	931	931	931	931	932	932	932	933	933	933	933	933	933	933	933	934	935	935	936	936	937	937	938	931	938	933
May 27	938	938	939	939	940	940	941	941	941	942	942	942	942	941	941	941	942	942	942	942	942	942	942	942	938	942	941
May 28	942	942	942	942	942	942	942	942	942	942	942	941	941	940	939	939	938	938	937	937	937	937	936	936	936	942	940
May 29	935	935	935	934	934	934	934	934	934	934	935	935	935	936	936	937	937	937	938	938	938	938	937	937	934	938	936
May 30	937	937	937	937	938	938	938	939	939	939	939	939	939	938	938	938	938	938	939	939	939	939	939	939	937	939	938
May 31	939	939	939	939	938	938	938	939	939	939	939	939	938	938	938	938	938	938	938	938	938	938	937	937	937	939	938
Diurnal Maximum	949	950	950	951	951	951	952	952	952	952	952	952	951	951	950	950	949	949	949	948	948	948	949	949			
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	938	938	938	938	938	938	938	938	938	939	938			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

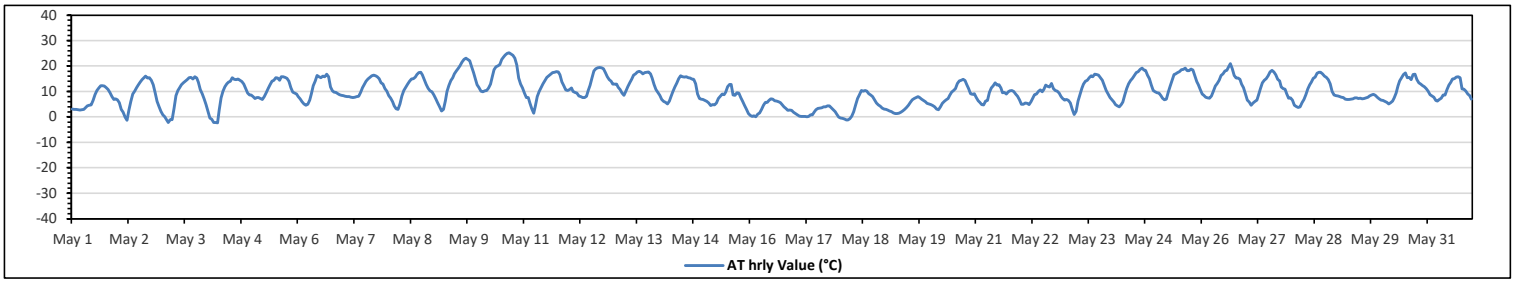
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	25.2	°C	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	17.7	°C	on May 10	Hours of Data:	744	
Minimum Hourly Value:	-2.3	°C	on May 4 at hr 5	Hours of Missing Data:	0	
Minimum Daily Value:	1.9	°C	on May 17	Hours of Calibration:	0	
Monthly Average:	10.0	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	3.1	3	3	2.8	2.7	2.8	2.9	3.6	4.3	4.6	4.7	6.5	8.8	10.4	11.4	12.2	12.2	12.1	11.6	10.8	9.5	8	6.9	7.1	2.7	12.2	6.9
May 2	6.7	5.6	3	1.9	-0.1	-1.3	2.7	6.1	9	10.2	11.5	12.5	13.6	14.6	15.4	16	15.3	15.5	14.4	12.7	9.5	6.1	4.1	2.3	-1.3	16.0	8.6
May 3	0.9	0.1	-1.2	-2.2	-1.1	-1.1	3.3	8.4	10.4	11.4	12.6	13.4	14	14.6	15.5	15.6	14.9	15.8	15.3	13.7	10.7	9.2	7.1	4.9	-2.2	15.8	8.6
May 4	2.2	-0.4	-0.9	-2.2	-2.2	**-2.3**	2.6	7.5	10.2	11.9	13.1	13.6	14.1	15.4	14.7	14.6	14.9	14.5	13.9	12.9	11.1	9.4	8.7	8.7	**-2.3**	15.4	8.6
May 5	8	7.2	7.7	7.7	7.3	6.8	7.9	9.5	11.2	12.6	14	14.5	15.5	15.3	14.5	15.8	15.8	15.6	15.2	14.1	11.5	9.7	9.4	9	6.8	15.8	11.5
May 6	8	7.1	6	5.2	4.6	5	6.6	9	12.2	14.1	16.3	15.9	15.4	16	15.9	16.8	15.9	11.8	10.3	9.8	9.6	9.2	8.8	8.5	4.6	16.8	10.8
May 7	8.4	8.1	8	8	7.8	7.7	7.8	7.9	8.1	9.6	11.5	12.6	14	14.9	15.6	16.2	16.4	16.2	15.9	15.1	13.4	13	11.2	10.2	7.7	16.4	11.6
May 8	8.4	7.4	6	4.4	3.2	3	5.2	8.3	10.5	11.7	12.9	14.1	14.9	15.1	15.7	16.7	17.4	17.6	16.5	14.6	12.8	11.3	10.3	9.9	3.0	17.6	11.2
May 9	8.6	7.1	5.4	4	2.4	2.9	6.4	10	12.4	14.3	15.5	17	18.1	19	20.2	21.5	22.6	23.1	22.6	22.1	19.7	17.4	14.8	12.7	2.4	23.1	14.2
May 10	11.5	10.2	9.9	10.3	10.5	11.4	12.9	16	18.6	19.7	20	20.6	22.6	23.6	24.4	25	**25.2**	24.8	24.2	23.1	20.4	15.3	13	11.4	9.9	**25.2**	**17.7**
May 11	9.4	7.7	7.6	5.5	3.2	1.4	4.2	8	10	11.5	13.1	14.3	15.6	16.1	16.8	17.4	17.6	17.8	17.7	16.5	13.8	12.2	10.6	10.5	1.4	17.8	11.6
May 12	10.7	11.4	10	9.6	9.4	8.2	7.9	7.7	7.7	8.1	10.3	12.4	15.3	18.1	18.9	19.3	19.4	19.3	18.9	17.4	15.9	14.6	14	13	7.7	19.4	13.2
May 13	12.9	12.9	11.7	10.8	9.4	8.5	10.1	11.9	13.4	14.8	16.4	17	17.7	17.9	17.5	17	17.4	17.6	17.7	17	15.3	12.8	10.8	9.6	8.5	17.9	14.1
May 14	8.5	6.9	6.2	5.8	5.1	6.3	7.9	10	11.8	13.3	15	16.1	15.8	15.7	15.8	15.5	15.3	14.9	14.7	13.1	9	7.3	7	6.9	5.1	16.1	11.0
May 15	6.5	6.1	5.5	4.5	4.9	4.8	5.4	7.3	8.1	9	8.8	9.7	11.9	12.8	12.8	8.6	8.5	9.5	9.3	7.6	6.2	4.5	2.9	1.3	1.3	12.8	7.4
May 16	0.6	0.2	0.4	0.1	1.1	1.6	2.9	4.6	5.7	5.8	6.5	7.1	7	6.4	6.3	6	5.6	4.7	3.9	3.3	2.6	2.7	2.6	1.9	0.1	7.1	3.7
May 17	1.3	0.8	0.3	0.2	0.2	0.2	0.1	0.2	0.8	0.8	1.8	2.8	3.4	3.5	3.6	3.9	3.9	4.4	4.4	3.7	2.8	2.1	1.1	-0.1	-0.1	4.4	**1.9**
May 18	-0.4	-0.5	-0.8	-1.2	-1.2	-0.6	0.3	2.1	4.8	7.2	8.8	10.4	10.2	10.4	10.2	9.2	8.6	8	6.7	5.5	4.8	4.2	3.5	3.1	-1.2	10.4	4.7
May 19	3	2.7	2.4	2.1	1.6	1.3	1.3	1.5	1.9	2.4	2.9	3.8	4.6	5.7	6.7	7.3	7.6	7.9	7.6	7	6.5	6	5.3	5.2	1.3	7.9	4.3
May 20	4.9	4.5	4	3.1	2.8	3.9	5.3	6.1	6.7	7.3	8.5	9.7	10.4	11.2	13.2	14.2	14.5	14.8	14.3	12.8	11.2	9.2	8.9	9.2	2.8	14.8	8.8
May 21	7.6	6.4	5.8	4.9	4.8	6.3	6.5	9.6	11.4	12.2	13.4	12.5	12.7	11.4	9.5	9.6	9	9.9	10.3	10.4	10	9.1	8.1	6.7	4.8	13.4	9.1
May 22	5	5	5.5	5.3	4.9	6	7.3	8.8	9	10	10.6	9.9	10.8	12.5	12	11.8	13.2	11.1	10.4	10.2	9.3	8	7.3	6.6	4.9	13.2	8.8
May 23	6.8	6.5	5.4	3	1	2.2	6.3	8.8	11.3	12.9	14.1	14.4	15.5	16.1	15.8	16.8	16.7	16.4	15.5	14.5	12.4	10.5	9	7.6	1.0	16.8	10.8
May 24	6.7	5.9	4.9	4.3	3.9	4.9	5.9	8.6	11.2	13.1	14.3	15.2	16.3	17.4	17.8	18.7	19.2	18.5	18.3	16.4	15.1	12.5	10.5	9.9	3.9	19.2	12.1
May 25	9.5	9.3	8.4	7.4	6.7	7	9.7	12.1	14.4	16.7	16.9	17.4	17.8	18.6	18.7	19.2	18.2	18.2	18.8	18.5	16.1	13.9	12.6	10.7	6.7	19.2	14.0
May 26	9.1	8.5	7.8	7.5	7.4	8.2	10.2	12.1	13.2	14.4	16.3	16.9	18.1	18.4	19.6	21	18.9	16.3	15.3	15.3	14.8	13	11.6	9.2	7.4	21.0	13.5
May 27	6.6	5.9	4.6	5.5	6.2	6.6	8.6	11.1	13.4	14.5	15	16.1	17.7	18.3	17.7	16.5	14.8	14.2	11.8	11.1	10.9	9.2	7.4	7.5	4.6	18.3	11.3
May 28	6.6	4.6	4.1	3.8	3.9	5.6	6.8	8.8	11	12.6	13.6	15.2	15.7	17.2	17.5	17.5	17	16	15.6	14.6	13.1	10	8.7	8.4	3.8	17.5	11.2
May 29	8.3	8	7.8	7.7	7	6.8	6.9	7	7.1	7.5	7.5	7.2	7.4	7.1	7.2	7.5	7.8	8.3	8.6	8.9	8.5	7.8	7.1	6.6	6.6	8.9	7.6
May 30	6.5	6.2	5.7	5.2	5.6	6.3	7.5	9.3	12.3	14.2	15.5	16.7	17.3	15.4	15.6	14.6	16.7	16.8	14.6	13.4	12.9	12.3	11.9	11.1	5.2	17.3	11.8
May 31	10.2	8.8	8.2	7.8	6.5	6.3	6.8	7.4	8.6	8.7	10.8	12.5	13.6	14.9	15	15.7	15.9	15.5	11	10.9	10.2	9.1	8.4	7	6.3	15.9	10.4
Diurnal Maximum	12.9	12.9	11.7	10.8	10.5	11.4	12.9	16.0	18.6	19.7	20.0	20.6	22.6	23.6	24.4	25.0	25.2	24.8	24.2	23.1	20.4	17.4	14.8	13.0			
Diurnal Average	6.6	5.9	5.2	4.6	4.2	4.4	6.0	8.0	9.7	10.9	12.0	12.8	13.7	14.3	14.6	14.8	14.7	14.4	13.7	12.8	11.3	9.7	8.5	7.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

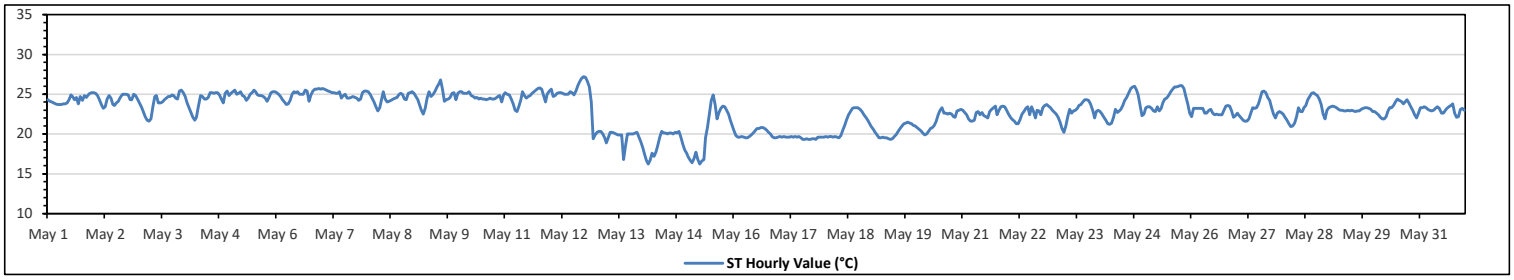
Maximum Hourly Value:	27.2	°C	on May 12 at hr 17	Hours in Service:	744	
Maximum Daily Value:	25.1	°C	on May 12	Hours of Data:	744	
Minimum Hourly Value:	16.2	°C	on May 14 at hr 3	Hours of Missing Data:	0	
Minimum Daily Value:	18.8	°C	on May 14	Hours of Calibration:	0	
Monthly Average:	22.9	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	24.3	24.1	24.0	23.9	23.8	23.7	23.7	23.7	23.8	23.8	23.9	24.3	24.9	24.7	24.3	24.6	23.8	24.7	24.2	24.8	24.6	24.9	25.1	25.2	23.7	25.2	24.3
May 2	25.2	25.1	24.8	24.3	23.7	23.2	23.4	24.4	24.8	24.5	23.7	23.6	23.9	24.1	24.6	25.0	25.0	25.0	24.9	24.3	24.3	25.0	24.8	24.4	23.2	25.2	24.4
May 3	23.9	23.4	22.8	22.2	21.7	21.6	21.9	23.4	24.7	24.8	23.9	23.9	24.0	24.3	24.5	24.7	24.7	24.9	24.8	24.5	24.4	25.4	25.5	25.2	21.6	25.5	24.0
May 4	24.7	23.9	23.3	22.7	22.1	21.7	22.1	23.4	24.8	24.7	24.4	24.4	24.6	25.2	25.2	25.1	25.2	25.2	24.9	24.4	23.9	25.1	25.4	24.8	21.7	25.4	24.2
May 5	25.1	25.3	25.5	25.0	25.1	25.3	24.8	24.7	24.2	24.5	25.0	25.2	25.5	25.3	24.9	24.8	24.8	24.7	24.5	24.1	24.6	25.2	25.3	25.3	24.1	25.5	24.9
May 6	25.2	25.0	24.7	24.3	24.0	23.7	23.8	24.2	25.0	25.3	25.2	25.3	25.0	25.0	25.0	25.5	25.4	24.1	24.9	25.4	25.6	25.6	25.7	25.6	23.7	25.7	24.9
May 7	25.7	25.6	25.5	25.4	25.3	25.2	25.2	25.1	25.1	25.3	24.5	24.8	25.0	24.5	24.5	24.6	24.7	24.6	24.5	24.2	24.4	25.2	25.4	25.4	24.2	25.7	25.0
May 8	25.3	25.0	24.5	24.0	23.4	22.9	23.3	24.2	25.3	24.4	24.0	24.1	24.2	24.4	24.5	24.6	24.9	25.1	25.0	24.4	24.3	25.1	25.2	25.3	22.9	25.3	24.5
May 9	25.1	24.7	24.3	23.6	23.0	22.5	23.2	24.5	25.3	24.7	25.0	25.4	25.9	26.3	26.8	25.6	24.1	24.3	24.4	24.6	25.1	25.2	24.3	25.1	22.5	26.8	24.7
May 10	25.3	25.3	25.1	25.1	25.1	25.3	24.8	24.7	24.5	24.6	24.4	24.5	24.4	24.4	24.3	24.4	24.5	24.4	24.4	24.5	24.7	24.8	24.0	24.9	24.0	25.3	24.7
May 11	25.2	25.0	24.9	24.4	23.8	23.0	22.8	23.5	24.3	25.3	24.8	24.5	24.7	24.8	25.1	25.3	25.5	25.7	25.8	25.6	24.8	24.0	25.0	25.4	22.8	25.8	24.7
May 12	25.6	24.7	24.8	25.1	25.2	25.2	25.1	25.0	25.0	25.0	25.3	25.2	24.9	25.4	26.1	26.6	27.0	**27.2**	27.1	26.6	25.9	24.0	19.4	19.9	19.4	**27.2**	**25.1**
May 13	20.2	20.3	20.3	20.0	19.5	18.9	19.5	20.2	20.2	20.1	20.0	19.9	19.9	19.9	16.8	18.5	20.0	20.0	20.0	20.0	20.1	20.2	19.6	19.0	16.8	20.3	19.7
May 14	18.3	17.4	16.7	**16.2**	16.7	17.6	17.2	17.7	18.6	19.6	20.3	20.1	20.1	20.0	20.1	20.1	20.0	20.2	20.1	20.3	19.6	18.7	18.0	17.6	**16.2**	20.3	**18.8**
May 15	17.1	16.7	16.4	16.9	17.7	16.8	**16.2**	16.6	16.8	19.5	20.8	22.5	24.2	24.9	23.7	21.9	22.7	23.2	23.5	23.4	23.0	22.5	21.8	21.1	**16.2**	24.9	20.4
May 16	20.4	19.8	19.6	19.6	19.7	19.6	19.5	19.5	19.7	19.9	20.1	20.4	20.7	20.7	20.8	20.8	20.7	20.5	20.2	20.0	19.7	19.5	19.5	19.6	19.5	20.8	20.0
May 17	19.7	19.6	19.7	19.6	19.6	19.6	19.7	19.6	19.7	19.6	19.7	19.5	19.3	19.3	19.4	19.3	19.3	19.4	19.4	19.3	19.6	19.6	19.6	19.6	19.3	19.7	19.5
May 18	19.7	19.6	19.7	19.7	19.6	19.7	19.6	19.5	19.8	20.5	21.1	21.8	22.4	22.8	23.2	23.3	23.3	23.3	23.1	22.8	22.4	22.1	21.7	21.3	19.5	23.3	21.3
May 19	20.9	20.6	20.2	19.9	19.5	19.5	19.6	19.5	19.5	19.4	19.3	19.4	19.7	19.9	20.3	20.7	21.0	21.3	21.4	21.5	21.4	21.3	21.1	21.0	19.3	21.5	20.3
May 20	20.8	20.6	20.4	20.1	19.9	20.0	20.3	20.7	20.8	21.1	21.6	22.4	23.0	23.3	22.6	22.6	22.5	22.6	22.5	22.2	22.1	22.9	23.0	23.1	19.9	23.3	21.7
May 21	23.0	22.7	22.4	21.9	21.6	21.6	21.7	22.7	22.8	22.4	22.7	22.3	22.2	22.0	22.8	23.1	23.3	23.5	22.4	23.0	23.4	23.5	23.4	23.0	21.6	23.5	22.6
May 22	22.5	22.1	21.8	21.6	21.3	21.3	21.8	22.5	22.8	23.2	23.4	22.4	23.4	22.8	22.0	23.0	22.9	22.4	23.3	23.6	23.7	23.5	23.3	23.0	21.3	23.7	22.7
May 23	22.7	22.5	22.1	21.5	20.7	20.2	21.0	22.2	23.1	22.6	22.9	23.0	23.2	23.6	23.7	24.0	24.3	24.3	24.2	23.8	23.0	22.0	22.8	23.0	20.2	24.3	22.8
May 24	22.8	22.5	22.1	21.7	21.3	21.2	21.4	22.1	23.1	22.7	22.9	23.1	23.6	24.2	24.6	25.1	25.7	25.9	26.0	25.5	24.9	23.6	22.3	22.5	21.2	26.0	23.4
May 25	23.3	23.4	23.4	23.2	22.9	22.8	23.4	22.9	23.2	23.9	24.4	24.5	24.8	25.3	25.6	25.9	25.9	26.0	26.1	26.1	25.7	24.7	23.8	22.6	22.6	26.1	24.3
May 26	22.2	23.2	23.2	23.2	23.2	23.2	23.2	22.6	22.6	23.0	23.1	22.6	22.4	22.5	22.4	22.4	22.4	23.0	23.5	23.6	23.5	22.9	22.1	22.3	22.1	23.6	22.8
May 27	22.6	22.3	22.0	21.7	21.6	21.6	21.9	22.6	23.3	23.2	23.3	23.8	24.6	25.3	25.4	25.2	24.6	24.2	23.3	22.5	22.0	22.6	22.8	22.7	21.6	25.4	23.1
May 28	22.5	22.1	21.7	21.3	20.9	21.0	21.4	22.2	23.3	22.8	22.8	23.3	23.6	24.3	24.7	25.1	25.2	25.0	24.8	24.4	23.7	22.5	21.9	23.0	20.9	25.2	23.1
May 29	23.3	23.4	23.5	23.4	23.3	23.1	23.0	23.0	22.9	22.9	23.0	22.9	23.0	22.9	22.8	22.9	22.9	23.1	23.2	23.3	23.3	23.2	23.1	22.8	22.8	23.5	23.1
May 30	22.8	22.6	22.4	22.1	21.9	21.9	22.2	22.8	23.3	23.3	23.6	24.0	24.4	24.2	24.1	23.8	24.0	24.3	23.9	23.4	23.0	22.4	22.0	22.6	21.9	24.4	23.1
May 31	23.3	23.3	23.4	23.3	23.1	23.0	22.9	23.0	23.2	23.4	23.2	22.6	22.6	23.0	23.2	23.4	23.6	23.8	22.6	22.1	22.2	23.1	23.2	23.0	22.1	23.8	23.1
Diurnal Maximum	25.7	25.6	25.5	25.4	25.3	25.3	25.2	25.1	25.3	25.3	25.3	25.4	25.9	26.3	26.8	26.6	27.0	27.2	27.1	26.6	25.9	25.6	25.7	25.6			
Diurnal Average	22.9	22.6	22.4	22.2	21.9	21.8	21.9	22.3	22.8	22.9	23.0	23.1	23.4	23.5	23.5	23.6	23.7	23.7	23.6	23.5	23.3	23.2	22.9	22.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

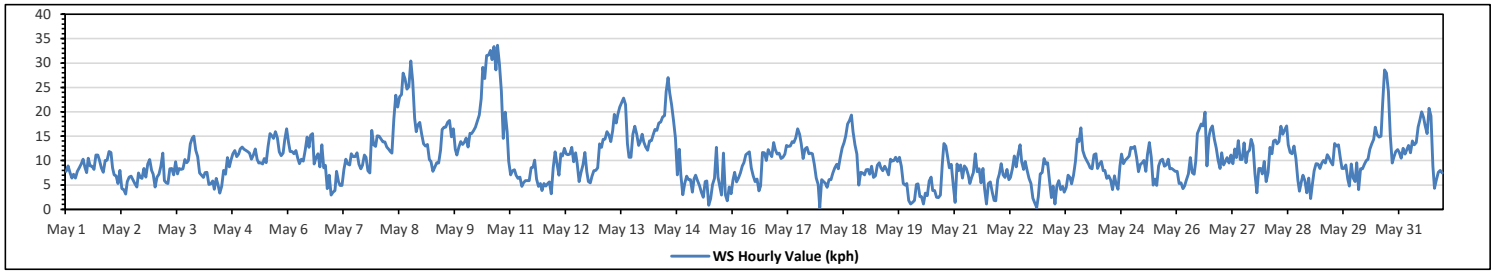
VECTOR WIND SPEED (VWS) in km/hr

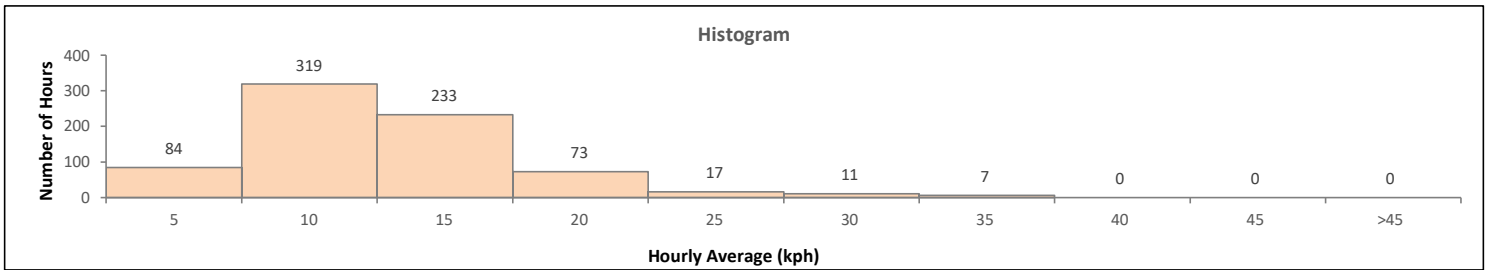
Maximum Hourly Value:	33.6	kph	on May 10 at hr 17	Hours in Service:	744
Maximum Daily Value:	22.7	kph	on May 10	Hours of Data:	744
Minimum Hourly Value:	0.4	kph	on May 17 at hr 23	Hours of Missing Data:	0
Minimum Daily Value:	5.1	kph	on May 15	Hours of Calibration:	0
Monthly Average:	1.8	kph		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	7.8	8.9	7.5	6.4	7.2	6.4	7.8	8.5	9.3	10.3	8.5	7.5	10.5	8.9	8.8	8.2	11.1	11.1	10.1	8.5	7.6	10.0	10.1	11.9	6.4	11.9	8.9
May 2	11.7	8.5	7.1	6.9	5.3	8.0	4.2	4.0	3.1	5.7	6.6	6.8	6.0	5.2	4.6	7.4	6.5	6.3	8.4	6.6	9.3	10.2	8.0	7.2	3.1	11.7	6.8
May 3	4.6	6.6	7.2	8.8	11.5	5.9	5.4	5.3	8.3	8.4	7.1	9.7	7.3	8.4	8.2	8.3	10.2	9.6	10.0	13.4	14.6	15.0	12.1	10.8	4.6	15.0	9.0
May 4	7.4	7.0	6.5	7.5	7.6	5.1	5.2	5.8	4.1	6.3	4.9	3.3	4.7	8.0	7.2	10.6	8.7	10.1	11.4	12.0	10.8	11.3	12.4	12.8	3.3	12.8	7.9
May 5	12.3	12.1	11.9	11.5	10.3	11.1	12.4	10.2	9.5	9.6	9.3	10.4	9.6	12.9	15.5	15.1	14.5	15.9	14.7	11.8	11.0	11.5	14.2	16.5	9.3	16.5	12.2
May 6	13.7	11.9	11.9	11.4	12.0	10.4	9.4	10.3	9.9	12.1	14.8	12.7	15.2	15.5	9.3	10.6	11.4	8.7	13.2	8.5	9.0	4.2	7.0	2.9	2.9	15.5	10.7
May 7	3.5	3.9	7.8	5.7	4.9	4.9	8.2	10.3	9.3	9.1	11.4	10.8	10.8	11.6	9.2	8.3	9.0	11.1	10.7	7.9	7.4	16.2	13.2	12.9	3.5	16.2	9.1
May 8	15.1	15.0	14.4	13.8	13.8	12.8	12.3	11.9	11.5	18.5	23.4	21.0	23.1	23.5	27.9	26.7	24.6	25.2	30.4	26.2	18.7	15.9	17.3	17.8	11.5	30.4	19.2
May 9	15.4	13.4	13.0	13.3	10.2	9.8	7.8	8.6	9.6	9.5	12.1	16.4	16.8	16.8	17.8	18.2	14.9	16.5	12.3	11.1	12.7	13.9	13.3	13.8	7.8	18.2	13.2
May 10	14.6	12.8	15.6	15.5	16.1	16.8	18.1	19.3	22.7	29.1	26.8	31.5	31.6	32.6	30.7	33.4	28.6	**33.6**	29.8	24.3	14.5	19.9	16.0	9.8	9.8	**33.6**	**22.7**
May 11	7.1	7.9	8.1	7.0	6.3	6.6	4.7	5.4	5.9	5.9	5.9	8.5	8.6	10.1	6.2	4.7	5.3	3.9	5.3	4.8	5.3	5.6	3.2	8.5	3.2	10.1	6.3
May 12	11.8	9.3	7.0	11.4	10.9	12.5	11.3	11.2	11.3	12.7	9.7	11.6	9.4	5.7	7.6	9.1	11.7	7.7	5.7	5.4	6.7	7.9	8.0	8.5	5.4	12.7	9.3
May 13	13.4	12.7	14.3	14.4	15.9	15.3	13.9	16.2	19.5	17.7	19.5	21.0	21.9	22.8	21.5	13.4	10.7	10.7	15.4	17.0	15.4	13.1	13.8	15.4	10.7	22.8	16.0
May 14	13.8	12.8	12.1	14.0	14.1	15.4	16.4	16.2	17.7	17.9	18.9	19.2	24.1	27.0	23.9	21.4	18.2	14.6	7.1	12.3	7.0	3.0	5.3	6.8	3.0	27.0	15.0
May 15	6.1	6.1	3.5	6.2	7.0	5.9	4.9	3.5	2.5	5.7	5.8	0.8	2.2	5.1	6.3	12.7	6.6	4.6	2.9	11.5	3.0	1.7	4.6	3.2	0.8	12.7	**5.1**
May 16	6.1	7.6	5.6	6.4	7.4	8.9	9.6	11.2	11.5	11.8	8.5	6.9	5.7	6.2	3.8	4.8	11.7	11.6	10.0	12.2	11.5	10.8	13.7	12.2	3.8	13.7	9.0
May 17	11.3	11.5	10.4	10.7	11.3	13.1	12.9	13.0	13.9	13.7	14.7	16.5	15.4	13.5	10.4	12.4	12.7	11.4	11.5	11.4	9.2	6.4	5.1	**0.4**	**0.4**	16.5	11.4
May 18	6.1	5.7	5.3	4.5	6.1	6.1	7.4	8.5	9.2	8.3	10.6	12.6	13.7	15.0	17.5	18.2	19.3	15.9	13.2	11.3	5.0	7.6	7.4	7.1	4.5	19.3	10.1
May 19	8.1	8.2	7.2	8.8	6.5	6.9	9.0	9.6	8.5	7.9	8.8	8.1	7.1	10.3	9.9	10.0	10.7	9.8	10.7	8.8	5.3	5.0	5.3	1.8	1.8	10.7	8.0
May 20	1.1	1.4	1.8	5.1	5.2	2.6	2.6	1.1	3.3	2.8	5.8	6.6	3.9	3.9	2.5	2.4	2.9	9.4	13.5	13.0	11.0	8.5	9.2	5.1	1.1	13.5	5.2
May 21	1.4	9.3	7.9	9.1	6.4	8.9	8.4	7.1	5.3	6.6	7.5	11.4	7.7	8.3	5.4	8.4	4.2	1.1	5.3	5.6	3.5	1.8	1.7	6.1	1.1	11.4	6.2
May 22	7.2	9.4	7.1	6.5	8.2	6.1	6.5	8.3	10.9	8.7	11.3	13.2	9.7	8.2	9.8	8.0	6.3	5.3	2.3	1.3	**0.4**	2.6	7.3	7.5	**0.4**	13.2	7.2
May 23	10.4	9.3	9.6	5.8	2.4	4.8	1.1	4.8	5.9	4.0	4.7	3.5	4.4	7.0	6.5	5.2	7.0	9.8	14.4	13.9	16.7	12.0	10.8	10.0	1.1	16.7	7.7
May 24	9.3	8.5	8.3	11.2	11.4	8.4	9.3	9.8	7.9	8.0	6.3	6.9	6.0	4.0	6.9	5.2	4.1	8.8	11.3	9.4	10.1	10.5	10.9	12.7	4.0	12.7	8.6
May 25	12.5	12.9	10.7	7.7	9.2	9.5	10.0	7.8	11.2	13.7	10.7	5.0	6.2	4.9	8.9	10.0	10.3	8.8	9.1	10.3	8.3	8.4	8.1	7.8	4.9	13.7	9.3
May 26	7.8	5.3	5.4	4.2	4.8	6.1	7.3	10.6	7.5	7.2	9.9	15.5	16.5	17.5	17.1	19.9	8.9	14.9	16.4	17.1	14.4	12.6	10.0	8.4	4.2	19.9	11.1
May 27	11.6	9.1	9.7	10.6	9.5	11.1	9.4	12.4	10.6	14.1	10.2	10.2	13.6	9.6	11.7	12.1	14.3	13.1	7.3	3.4	8.4	8.4	7.3	9.8	3.4	14.3	10.3
May 28	5.7	7.5	12.7	11.4	14.0	14.2	13.4	13.9	17.0	15.4	16.3	17.1	13.2	11.7	11.4	13.0	10.4	6.0	3.7	5.7	7.0	5.9	3.4	6.4	3.4	17.1	10.7
May 29	2.2	5.4	7.9	9.4	9.3	8.4	9.5	10.0	9.5	11.2	10.7	9.7	9.1	13.5	13.0	13.2	10.4	8.4	8.4	9.1	6.2	4.8	9.3	6.4	2.2	13.5	9.0
May 30	5.7	9.6	4.0	8.3	8.3	9.2	10.0	10.2	12.3	13.4	14.3	16.8	15.3	14.8	15.0	21.6	28.6	27.9	24.2	15.0	9.5	10.7	11.9	12.2	4.0	28.6	13.7
May 31	11.7	10.5	12.5	11.3	12.3	13.1	11.6	14.0	13.2	13.7	16.9	18.2	20.0	18.8	17.1	15.5	20.7	19.1	8.9	4.3	6.1	7.6	8.0	7.4	4.3	20.7	13.0
Diurnal Maximum	15.4	15.0	15.6	15.5	16.1	16.8	18.1	19.3	22.7	29.1	26.8	31.5	31.6	32.6	30.7	33.4	28.6	33.6	30.4	26.2	18.7	19.9	17.3	17.8			
Diurnal Average	8.9	9.0	8.8	9.2	9.2	9.2	9.0	9.6	10.1	10.9	11.4	11.9	11.9	12.3	12.0	12.5	12.1	12.0	11.5	10.7	9.2	9.1	9.3	9.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



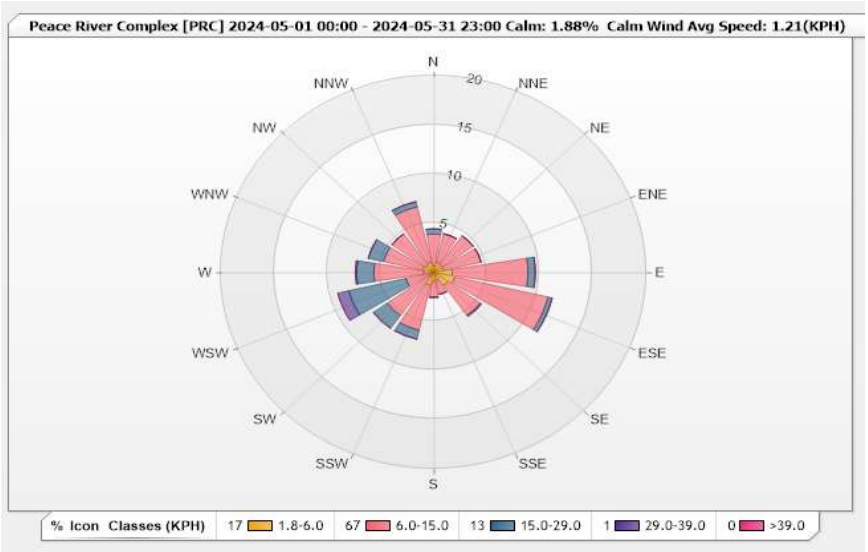


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 05-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 1.88% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.67	3.23	0.54	0	0	4.44
NNE	1.08	2.96	0	0	0	4.04
NE	0.94	3.63	0	0	0	4.57
ENE	0.94	3.63	0	0	0	4.57
E	1.75	7.12	0.67	0	0	9.54
ESE	2.02	9.01	0.4	0	0	11.43
SE	1.61	3.76	0.13	0	0	5.5
SSE	0.81	1.48	0	0	0	2.29
S	0.94	1.61	0	0	0	2.55
SSW	1.34	4.7	0.94	0	0	6.98
SW	0.54	4.84	1.61	0	0	6.99
WSW	0.13	2.55	5.51	1.08	0	9.27
W	0.94	4.7	1.61	0.13	0	7.38
WNW	1.08	3.76	1.48	0	0	6.32
NW	0.94	3.9	0	0	0	4.84
NNW	1.08	5.78	0.54	0	0	7.4
Summary	16.81	66.66	13.43	1.21	0	98.11



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

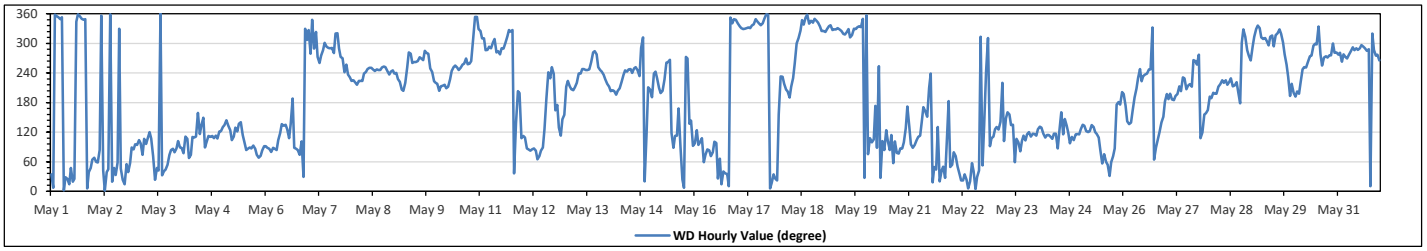
WIND DIRECTION (VWD) in sector

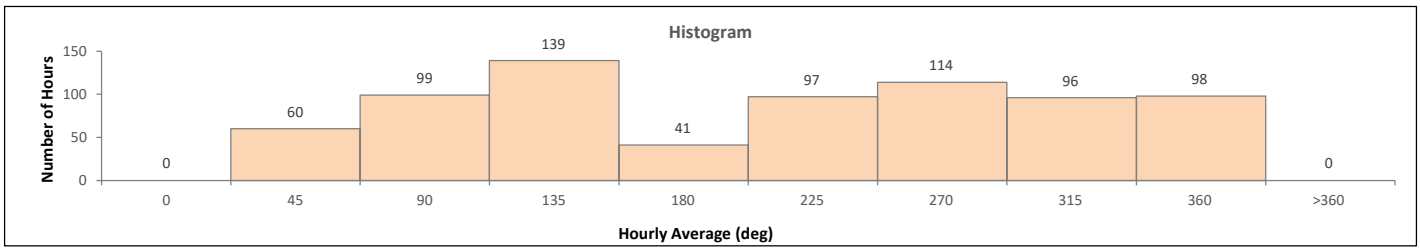
Monthly Average:	250 (WSW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
May 1	NE	N	N	N	N	NNW	N	N	NNE	NNE	NNE	NE	NNE	NNE	NNW	N	N	N	NNW	NNW	N	NE	NE	ENE	12	NNE
May 2	ENE	ENE	ENE	E	N	NE	N	NE	NE	N	NNE	NE	NNE	ENE	NNW	NE	NNE	NNE	NE	NE	ENE	E	E	E	48	NE
May 3	E	ESE	E	ENE	ESE	E	ESE	ESE	ESE	ENE	NNE	NE	NE	N	NNE	NE	NE	NE	ENE	E	E	ENE	E	E	74	ENE
May 4	E	E	ENE	ESE	ESE	ENE	ENE	ESE	ESE	ESE	SSE	ESE	SE	SSE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	109	ESE
May 5	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	SE	SE	ESE	E	E	E	E	E	E	E	ENE	ENE	ENE	E	E	103	ESE
May 6	E	E	E	E	E	E	E	ESE	ESE	SE	SE	SE	SE	ESE	SE	S	E	E	E	ENE	E	NNE	NNW	NW	103	ESE
May 7	NW	W	NNW	WNW	NW	W	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	W	NW	NW	WNW	W	W	WSW	WSW	SW	SW	281	W
May 8	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	242	WSW
May 9	WSW	WSW	SW	SW	SSW	SSW	SW	WSW	W	W	WSW	W	W	W	W	W	W	WNW	W	W	WSW	WSW	SW	SW	252	WSW
May 10	SW	SSW	SSW	SSW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	NW	N	N	NNW	252	WSW
May 11	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	W	WNW	W	WNW	WNW	WNW	NW	NW	NW	NW	NE	SE	SSW	SSW	ESE	298	WNW
May 12	ESE	ESE	E	E	E	E	E	E	ENE	ENE	E	E	SE	S	WSW	SW	WSW	SW	SSE	S	SE	ESE	SE	SSE	112	ESE
May 13	SSW	SW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	WSW	WSW	WSW	SW	SW	SW	239	WSW
May 14	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WNW	NW	NNE	ESE	SSW	SSW	234	SW
May 15	S	WSW	WSW	SW	SSW	SSW	SSW	SW	W	W	W	ESE	E	ESE	ESE	SSE	E	NNE	N	W	W	SE	SE	E	203	SSW
May 16	E	ESE	E	E	ESE	ENE	ENE	E	E	ENE	ENE	E	E	NNE	ENE	NNE	NE	NE	NE	N	N	NNW	NNW	NNW	50	NE
May 17	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	NNE	NNE	SSE	346	NNW
May 18	SW	SW	SW	SSW	SSW	S	SSW	SW	WSW	WNW	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	N	NNW	NNW	NNW	NW	322	NW
May 19	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	328	NNW
May 20	N	ENE	ESE	E	ESE	S	E	WSW	NNE	E	E	ESE	E	E	ESE	ENE	E	ENE	ENE	E	E	E	SE	S	96	E
May 21	SE	E	E	E	ESE	ESE	ESE	SE	S	SSE	SSE	SSW	WSW	NNE	NE	NE	SE	NNE	NE	NE	NNE	ESE	S	NE	104	ESE
May 22	NE	ENE	ENE	NE	NE	NNE	NNE	NE	NNE	N	NNE	ENE	NE	N	NNE	NE	NW	NE	SE	WSW	NW	E	ESE	ESE	42	NE
May 23	SE	SE	SE	SE	SW	E	SE	SSE	SSE	SE	SE	ENE	ESE	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	118	ESE
May 24	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ESE	SSE	ESE	SE	SE	ESE	E	ESE	ESE	ESE	ESE	ESE	116	ESE
May 25	SE	SE	SE	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	E	NE	ENE	ENE	NE	NNE	ENE	ENE	E	S	S	S	SSW	113	ESE
May 26	SSW	S	SE	SE	SE	SSE	S	SSW	SW	WSW	SW	SW	SW	WSW	WSW	WSW	NNW	ENE	E	ESE	ESE	SE	SSE	S	191	S
May 27	SSW	S	SSW	S	S	S	SSW	SSW	SSW	SW	SW	SSW	SSW	SW	SSW	W	W	WSW	W	ESE	ESE	SSE	SSE	SSE	209	SSW
May 28	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SW	SSW	S	WNW	NNW	NW	WNW	W	W	220	SW
May 29	WNW	NW	NNW	NNW	NNW	NW	NW	NW	WNW	WNW	NW	NW	WNW	NW	NW	NNW	NW	WNW	W	WSW	SW	S	SW	SSW	302	WNW
May 30	S	SSW	SSW	SW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	NNW	W	WSW	W	W	W	W	W	WNW	W	W	273	W
May 31	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	NW	WNW	W	W	W	286	WNW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Peace River Complex (PRC) Station - May 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	33.6	kph	on May 10 at hr 17	Hours in Service:	744
Maximum Daily Value:	22.7	kph	on May 10	Hours of Data:	744
Minimum Hourly Value:	0.4	kph	on May 17 at hr 23	Hours of Missing Data:	0
Minimum Daily Value:	5.1	kph	on May 15	Hours of Calibration:	0
Monthly Average:	1.8	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 250 degree (WSW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	7.8	8.9	7.5	6.4	7.2	6.4	7.8	8.5	9.3	10.3	8.5	7.5	10.5	8.9	8.8	8.2	11.1	11.1	10.1	8.5	7.6	10.0	10.1	11.9	6.4	11.9	8.9
	NE	N	N	N	N	NNW	N	N	NNE	NNE	NNE	NE	NNE	NNE	NNW	N	N	N	NNW	NNW	N	NE	NE	ENE			12(NNE)
May 2	11.7	8.5	7.1	6.9	5.3	8.0	4.2	4.0	3.1	5.7	6.6	6.8	6.0	5.2	4.6	7.4	6.5	6.3	8.4	6.6	9.3	10.2	8.0	7.2	3.1	11.7	6.8
	ENE	ENE	ENE	E	N	NE	N	NE	NE	N	NNE	NE	NNE	ENE	NNW	NE	NNE	NNE	NE	NE	ENE	E	E	E			48(NE)
May 3	4.6	6.6	7.2	8.8	11.5	5.9	5.4	5.3	8.3	8.4	7.1	9.7	7.3	8.4	8.2	8.3	10.2	9.6	10.0	13.4	14.6	15.0	12.1	10.8	4.6	15.0	9.0
	E	ESE	E	ENE	ESE	E	ESE	ESE	ESE	ENE	NNE	NE	NE	N	NNE	NE	NE	NE	ENE	E	E	ENE	E	E			74(ENE)
May 4	7.4	7.0	6.5	7.5	7.6	5.1	5.2	5.8	4.1	6.3	4.9	3.3	4.7	8.0	7.2	10.6	8.7	10.1	11.4	12.0	10.8	11.3	12.4	12.8	3.3	12.8	7.9
	E	E	ENE	ESE	ESE	ENE	ENE	ESE	ESE	ESE	SSE	ESE	SE	SSE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE			109(ESE)
May 5	12.3	12.1	11.9	11.5	10.3	11.1	12.4	10.2	9.5	9.6	9.3	10.4	9.6	12.9	15.5	15.1	14.5	15.9	14.7	11.8	11.0	11.5	14.2	16.5	9.3	16.5	12.2
	SE	SE	SE	SE	ESE	ESE	ESE	SE	ESE	SE	SE	ESE	E	E	E	E	E	E	E	ENE	ENE	ENE	E	E			103(ESE)
May 6	13.7	11.9	11.9	11.4	12.0	10.4	9.4	10.3	9.9	12.1	14.8	12.7	15.2	15.5	9.3	10.6	11.4	8.7	13.2	8.5	9.0	4.2	7.0	2.9	2.9	15.5	10.7
	E	E	E	E	E	E	E	ESE	ESE	SE	SE	SE	SE	ESE	SE	S	E	E	E	ENE	E	NNE	NNW	NW			103(ESE)
May 7	3.5	3.9	7.8	5.7	4.9	4.9	8.2	10.3	9.3	9.1	11.4	10.8	10.8	11.6	9.2	8.3	9.0	11.1	10.7	7.9	7.4	16.2	13.2	12.9	3.5	16.2	9.1
	NW	W	NNW	WNW	NW	W	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	W	NW	NW	WNW	W	W	WSW	WSW	SW	SW			281(W)
May 8	15.1	15.0	14.4	13.8	13.8	12.8	12.3	11.9	11.5	18.5	23.4	21.0	23.1	23.5	27.9	26.7	24.6	25.2	30.4	26.2	18.7	15.9	17.3	17.8	11.5	30.4	19.2
	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW			242(WSW)
May 9	15.4	13.4	13.0	13.3	10.2	9.8	7.8	8.6	9.6	9.5	12.1	16.4	16.8	16.8	17.8	18.2	14.9	16.5	12.3	11.1	12.7	13.9	13.3	13.8	7.8	18.2	13.2
	WSW	WSW	SW	SW	SSW	SSW	SW	WSW	W	W	WSW	W	W	W	W	W	W	WNW	W	W	WSW	WSW	SW	SW			252(WSW)
May 10	14.6	12.8	15.6	15.5	16.1	16.8	18.1	19.3	22.7	29.1	26.8	31.5	31.6	32.6	30.7	33.4	28.6	**33.6**	29.8	24.3	14.5	19.9	16.0	9.8	9.8	**33.6**	**22.7**
	SW	SSW	SSW	SSW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	W	NW	N	N	NNW			252(WSW)
May 11	7.1	7.9	8.1	7.0	6.3	6.6	4.7	5.4	5.9	5.9	5.9	8.5	8.6	10.1	6.2	4.7	5.3	3.9	5.3	4.8	5.3	5.6	3.2	8.5	3.2	10.1	6.3
	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	W	WNW	W	WNW	WNW	WNW	NW	NW	NW	NW	NE	SE	SSW	SSW	ESE			298(WNW)
May 12	11.8	9.3	7.0	11.4	10.9	12.5	11.3	11.2	11.3	12.7	9.7	11.6	9.4	5.7	7.6	9.1	11.7	7.7	5.7	5.4	6.7	7.9	8.0	8.5	5.4	12.7	9.3
	ESE	ESE	E	E	E	E	E	E	ENE	ENE	E	E	SE	S	WSW	SW	WSW	SW	SSE	S	SE	ESE	SE	SSE			112(ESE)
May 13	13.4	12.7	14.3	14.4	15.9	15.3	13.9	16.2	19.5	17.7	19.5	21.0	21.9	22.8	21.5	13.4	10.7	10.7	15.4	17.0	15.4	13.1	13.8	15.4	10.7	22.8	16.0
	SSW	SW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	WSW	WSW	WSW	SW	SW	SW			239(WSW)
May 14	13.8	12.8	12.1	14.0	14.1	15.4	16.4	16.2	17.7	17.9	18.9	19.2	24.1	27.0	23.9	21.4	18.2	14.6	7.1	12.3	7.0	3.0	5.3	6.8	3.0	27.0	15.0
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WNW	NW	NNE	ESE	SSW	SSW			234(SW)
May 15	6.1	6.1	3.5	6.2	7.0	5.9	4.9	3.5	2.5	5.7	5.8	0.8	2.2	5.1	6.3	12.7	6.6	4.6	2.9	11.5	3.0	1.7	4.6	3.2	0.8	12.7	**5.1**
	S	WSW	WSW	SW	SSW	SSW	SSW	SW	W	W	W	ESE	E	ESE	ESE	SSE	E	NNE	N	W	W	SE	SE	E			203(SSW)
May 16	6.1	7.6	5.6	6.4	7.4	8.9	9.6	11.2	11.5	11.8	8.5	6.9	5.7	6.2	3.8	4.8	11.7	11.6	10.0	12.2	11.5	10.8	13.7	12.2	3.8	13.7	9.0
	E	ESE	E	E	ESE	ENE	ENE	E	E	ENE	ENE	E	E	NNE	ENE	NNE	NE	NE	NE	N	N	NNW	NNW	NNW			50(NE)
May 17	11.3	11.5	10.4	10.7	11.3	13.1	12.9	13.0	13.9	13.7	14.7	16.5	15.4	13.5	10.4	12.4	12.7	11.4	11.5	11.4	9.2	6.4	5.1	**0.4**	**0.4**	16.5	11.4
	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	NNE	NNE	SSE			346(NNW)
May 18	6.1	5.7	5.3	4.5	6.1	6.1	7.4	8.5	9.2	8.3	10.6	12.6	13.7	15.0	17.5	18.2	19.3	15.9	13.2	11.3	5.0	7.6	7.4	7.1	4.5	19.3	10.1
	SW	SW	SW	SSW	SSW	S	SSW	SW	WSW	WNW	NW	NW	NNW	NNW	N	N	NNW	NNW	NNW	N	NNW	NNW	NNW	NW			322(NW)
May 19	8.1	8.2	7.2	8.8	6.5	6.9	9.0	9.6	8.5	7.9	8.8	8.1	7.1	10.3	9.9	10.0	10.7	9.8	10.7	8.8	5.3	5.0	5.3	1.8	1.8	10.7	8.0
	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE			328(NNW)
May 20	1.1	1.4	1.8	5.1	5.2	2.6	2.6	1.1	3.3	2.8	5.8	6.6	3.9	3.9	2.5	2.4	2.9	9.4	13.5	13.0	11.0	8.5	9.2	5.1	1.1	13.5	5.2
	N	ENE	ESE	E	ESE	S	E	WSW	NNE	E	E	ESE	E	E	ESE	ENE	E	ENE	ENE	E	E	E	SE	S			96(E)
May 21	1.4	9.3	7.9	9.1	6.4	8.9	8.4	7.1	5.3	6.6	7.5	11.4	7.7	8.3	5.4	8.4	4.2	1.1	5.3	5.6	3.5	1.8	1.7	6.1	1.1	11.4	6.2
	SE	E	E	E	ESE	ESE	ESE	SE	S	SSE	SSE	SSW	WSW	NNE	NE	NE	SE	NNE	NE	NE	NNE	ESE	S	NE			104(ESE)
May 22	7.2	9.4	7.1	6.5	8.2	6.1	6.5	8.3	10.9	8.7	11.3	13.2	9.7	8.2	9.8	8.0	6.3	5.3	2.3	1.3	**0.4**	2.6	7.3	7.5	**0.4**	13.2	7.2
	NE	ENE	ENE	NE	NE	NNE	NNE	NE	NNE	N	NNE	ENE	NE	N	NNE	NE	NW	NE	SE	WSW	NW	E	ESE	ESE			42(NE)
May 23	10.4	9.3	9.6	5.8	2.4	4.8	1.1	4.8	5.9	4.0	4.7	3.5	4.4	7.0	6.5	5.2	7.0	9.8	14.4	13.9	16.7	12.0	10.8	10.0	1.1	16.7	7.7
	SE	SE	SE	SE	SW	E	SE	SSE	SSE	SE	SE	ENE	ESE	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE			118(ESE)
May 24	9.3	8.5	8.3	11.2	11.4	8.4	9.3	9.8	7.9	8.0	6.3	6.9	6.0	4.0	6.9	5.2	4.1	8.8	11.3	9.4	10.1	10.5	10.9	12.7	4.0	12.7	8.6
	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ESE	SSE	ESE	SE	SE	ESE	E	ESE	ESE	ESE	ESE	ESE			116(ESE)
May 25	12.5	12.9	10.7	7.7	9.2	9.5	10.0	7.8	11.2	13.7	10.7	5.0	6.2	4.9	8.9	10.0	10.3	8.8	9.1	10.3	8.3	8.4	8.1	7.8	4.9	13.7	9.3
	SE	SE	SE	ESE	ESE	ESE	SE	SE	ESE	ESE	ESE	E	NE	ENE	ENE	NE	NNE	ENE	ENE	E	S	S	S	SSW			113(ESE)
May 26	7.8	5.3	5.4	4.2	4.8	6.1	7.3	10.6	7.5	7.2	9.9	15.5	16.5	17.5	17.1	19.9	8.9	14.9	16.4	17.1	14.4	12.6	10.0	8.4	4.2	19.9	11.1
	SSW	S	SE	SE	SE	SSE	S	SSW	SW	WSW	SW	SW	SW	WSW	WSW	WSW	NNW	ENE	E	ESE	ESE	SE	SSE	S			191(S)
May 27	11.6	9.1	9.7	10.6	9.5	11.1	9.4	12.4	10.6	14.1	10.2	10.2	13.6	9.6	11.7	12.1	14.3	13.1	7.3	3.4	8.4	8.4	7.3	9.8	3.4	14.3	10.3
	SSW	S	SSW	S	S	S	SSW	SSW	SSW	SW	SW	SSW	SSW	SW	SSW	W	W	WSW	W	ESE	ESE	SSE	SSE	SSE			209(SSW)
May 28	5.7	7.5	12.7	11.4	14.0	14.2	13.4	13.9	17.0	15.4	16.3	17.1	13.2	11.7	11.4	13.0	10.4	6.0	3.7	5.7	7.0	5.9	3.4	6.4	3.4	17.1	10.7
	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SW	SSW	S	WNW	NNW	NW	WNW	W	W			220(SW)
May 29	2.2	5.4	7.9	9.4	9.3	8.4	9.5	10.0	9.5	11.2	10.7	9.7	9.1	13.5	13.0	13.2	10.4	8.4	8.4	9.1	6.2	4.8	9.3	6.4	2.2	13.5	9.0
	WNW	NW	NNW	NNW	NNW	NW	NW	NW	WNW	WNW	NW	NW	WNW	NW	NW	NNW	NW	WNW	W	WSW	SW	S	SW	SSW			302(WNW)
May 30	5.7	9.6	4.0	8.3	8.3	9.2	10.0	10.2	12.3	13.4	14.3	16.8	15.3	14.8	15.0	21.6	28.6	27.9	24.2	15.0	9.5	10.7	11.9	12.2	4.0	28.6	13.7
	S	SSW	SSW	SW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	NNW	W	WSW	W	W	W	W	W	WNW	W	W			273(W)
May 31	11.7	10.5	12.5	11.3	12.3	13.1	11.6	14.0	13.2	13.7	16.9	18.2	20.0	18.8	17.1	15.5	20.7	19.1	8.9	4.3	6.1	7.6	8.0	7.4	4.3	20.7	13.0
	W	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	NW	WNW	W	W	W			286(WNW)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

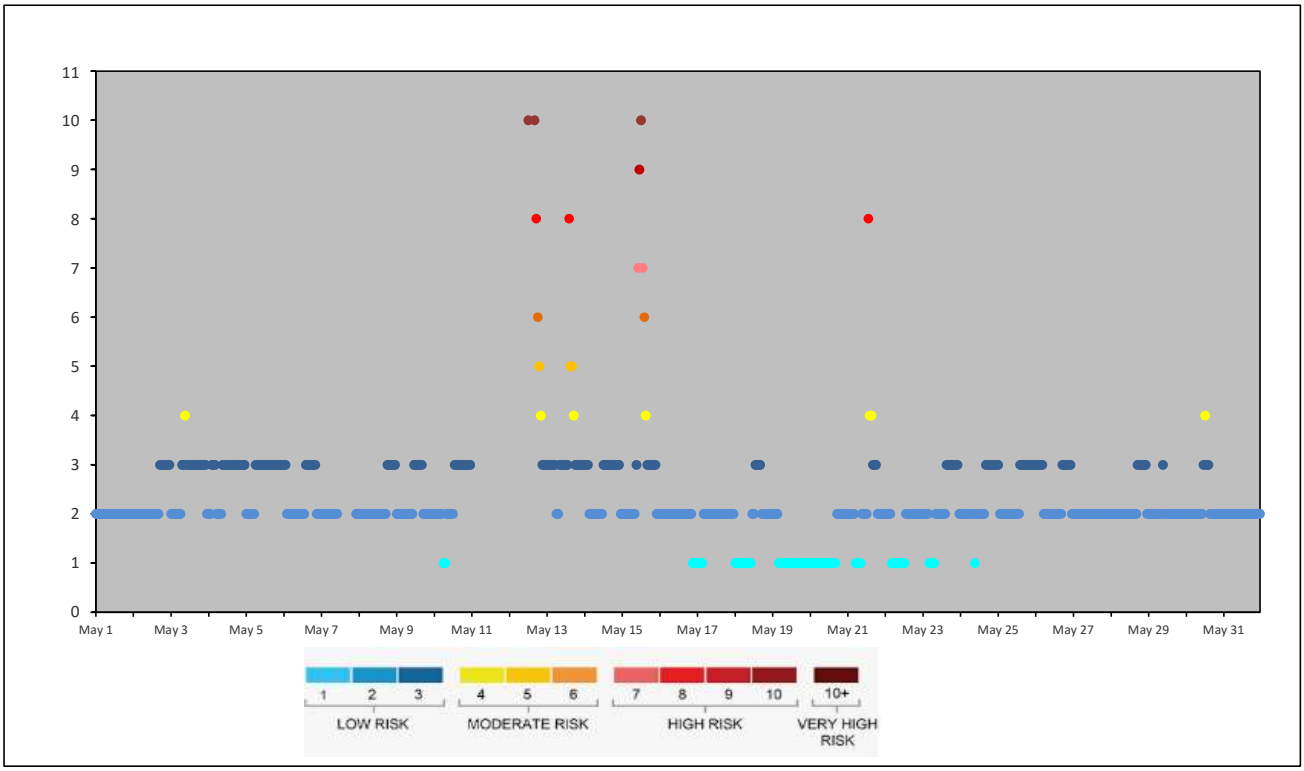
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - May 2024

AIR QUALITY HEALTH INDEX

Day	Hourly Period Starting at (MST)																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
May 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
May 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
May 3	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	2
May 4	2	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
May 5	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
May 6	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	3
May 7	2	2	2	2	2	2	2	2	2	2	2												2	2
May 8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
May 9	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
May 10	2	2	2	2	2	2	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
May 11	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+
May 12	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10+	10	10+	10+	10+	10	8	6	5	4	3	3	3
May 13	3	3	3	3	3	3	2	2	3	3	3	3	3	3	8	5	5	4	3	3	3	3	3	3
May 14	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
May 15	2	2	2	2	2	2	2	2	2	3	7	9	10	7	6	4	3	3	3	3	3	3	2	2
May 16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
May 17	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
May 18	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	2	2	2	2	2
May 19	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
May 20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
May 21	2	2	2	2	2	1	1	1	1	2	2	2	2	8	4	4	3	3	3	2	2	2	2	2
May 22	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
May 23	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
May 24	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3
May 25	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
May 26	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
May 27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
May 28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
May 29	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
May 30	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2	2	2	2	2	2	2	2	2
May 31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

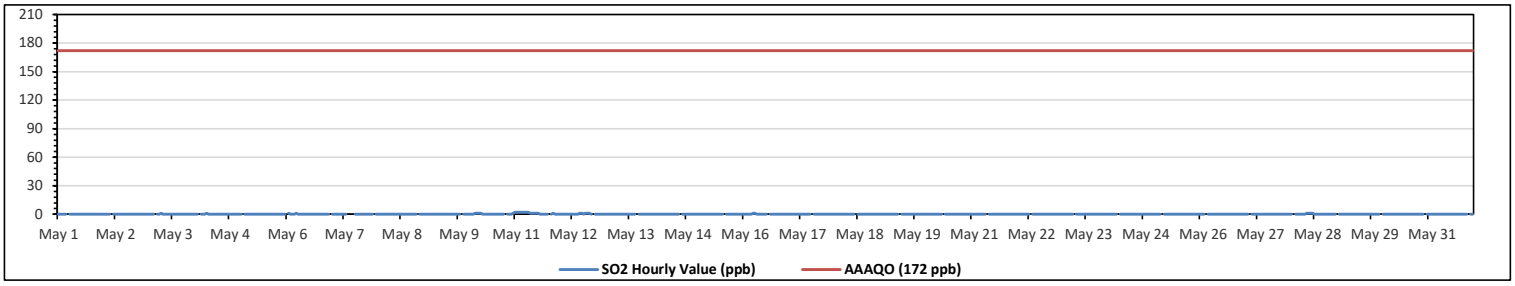
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

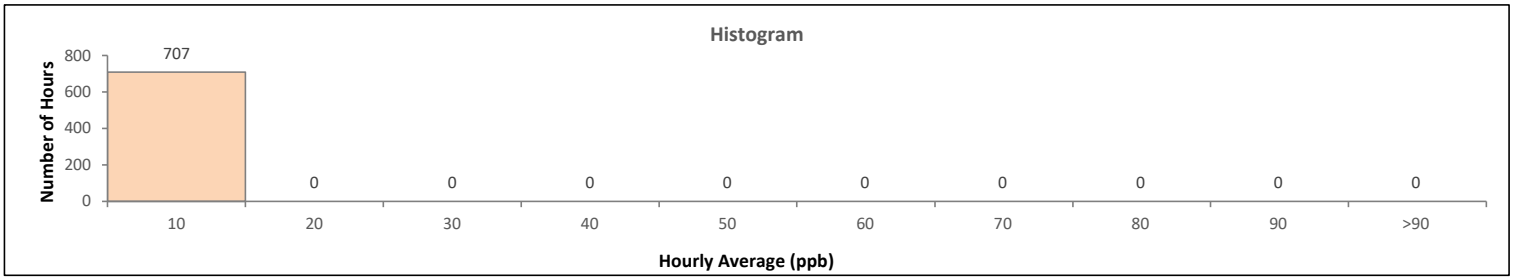
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	2	ppb	on May 11 at hr 0	Hours in Service:	744	
Maximum Daily Value:	1.0	ppb	on May 11	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on May 1	Hours of Calibration:	37	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 2	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 3	0	0	0	S	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 4	0	0	S	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
May 5	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 6	S	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.1
May 7	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
May 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
May 10	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0	1	0.2
May 11	2	2	2	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	S	0	1	0	0	0	0	2	1.0
May 12	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	S	0	0	0	0	0	0	0	1	0.2
May 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
May 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
May 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
May 16	0	0	0	0	0	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.1
May 17	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 18	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 19	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 20	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 21	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 22	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 23	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 24	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 25	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 26	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 27	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 28	0	S	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
May 29	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
May 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
May 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Diurnal Maximum	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



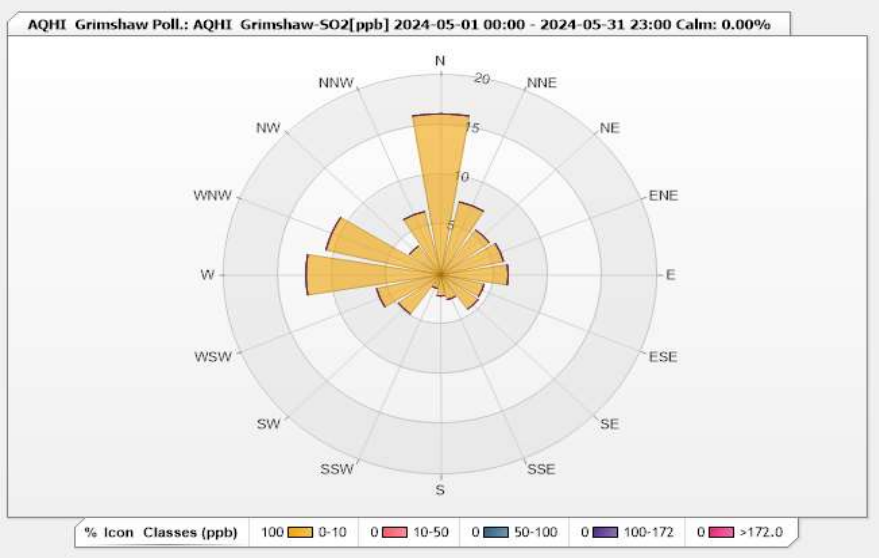


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	16.12	0	0	0	0	16.12
NNE	7.5	0	0	0	0	7.5
NE	5.52	0	0	0	0	5.52
ENE	5.94	0	0	0	0	5.94
E	6.22	0	0	0	0	6.22
ESE	4.1	0	0	0	0	4.1
SE	4.24	0	0	0	0	4.24
SSE	2.55	0	0	0	0	2.55
S	2.12	0	0	0	0	2.12
SSW	1.41	0	0	0	0	1.41
SW	4.81	0	0	0	0	4.81
WSW	6.08	0	0	0	0	6.08
W	12.45	0	0	0	0	12.45
WNW	10.89	0	0	0	0	10.89
NW	3.54	0	0	0	0	3.54
NNW	6.51	0	0	0	0	6.51
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

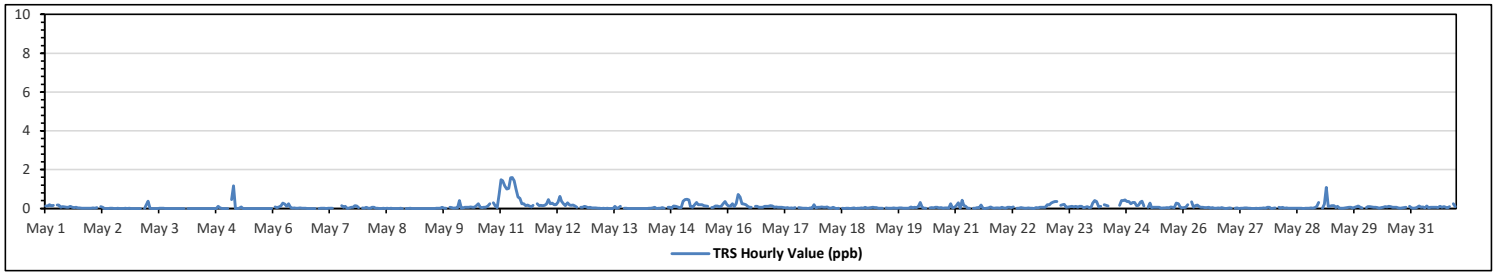
TOTAL REDUCED SULPHUR (TRS) in ppb

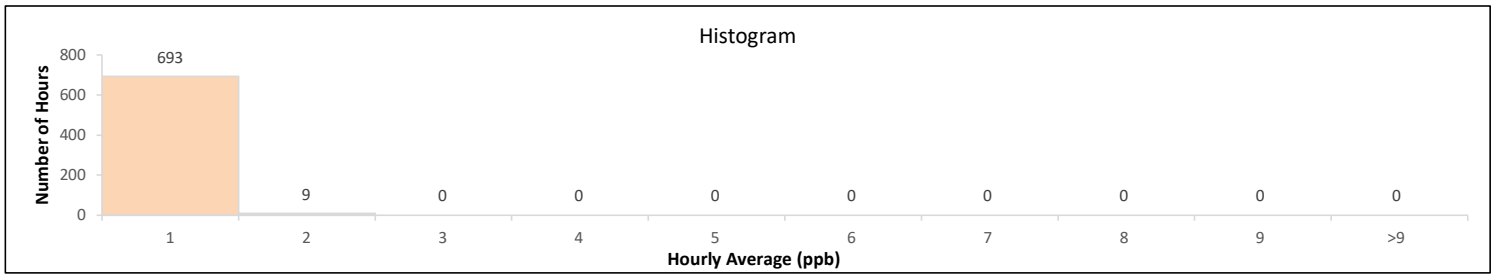
Maximum Hourly Value:	1.59	ppb	on May 11 at hr 6	Hours in Service:	744
Maximum Daily Value:	0.64	ppb	on May 11	Hours of Data:	702
Minimum Hourly Value:	0.00	ppb	on May 2 at hr 7	Hours of Missing Data:	5
Minimum Daily Value:	0.01	ppb	on May 4	Hours of Calibration:	37
Monthly Average:	0.09	ppb		Operational Uptime:	99.3

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.13	0.13	0.18	0.12	0.16	S	0.17	0.17	0.05	0.09	0.08	0.05	0.06	0.11	0.06	0.04	0.05	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.18	0.08
May 2	0.02	0.03	0.01	0.04	S	0.09	0.06	0	0	0	0.01	0.01	0	0	0.01	0	0	0	0.02	0	0.01	0	0	0	0.00	0.09	0.01
May 3	0	0	0	S	0	0.17	0.38	0.01	0	0	0	0	0.02	0.02	0.01	0	0	0	0	0	0	0	0	0	0.00	0.38	0.03
May 4	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.03	0	0	0	0.00	0.11	0.01
May 5	0	S	0.45	1.16	0	0	0.01	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	1.16	0.07
May 6	S	0.08	0.04	0.08	0.13	0.28	0.22	0.1	0.24	0.07	0.01	0.03	0.01	0.01	0.03	0.01	0.01	0.02	0	0	0	0	0	S	0.00	0.28	0.06
May 7	0	0.02	0.02	0.01	0	0.01	0.01	0.01	C	C	C	C	0.15	0.07	0.1	0	0.03	0.06	0.07	0.14	0.12	0.04	S	0.03	0.00	0.15	0.05
May 8	0.01	0.05	0.02	0.02	0.05	0.05	0.01	0.01	0	0	0.01	0	0.02	0	0.01	0	0	0	0	0.01	0	S	0	0	0.00	0.05	0.01
May 9	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.06	0.01	0.01	S	0.05	0.04	0.01	0.00	0.06	0.01
May 10	0.03	0.03	0.4	0.02	0.03	0.05	0.05	0.06	0.08	0.06	0.05	0.15	0.23	0.07	0.04	0.07	0.07	0.13	0.25	S	0.29	0.12	0.04	0.73	0.02	0.73	0.13
May 11	1.48	1.42	1.15	0.99	1.04	1.58	**1.59**	1.43	0.98	0.59	0.52	0.25	0.24	0.15	0.17	0.12	0.08	0.16	S	0.25	0.14	0.16	0.15	0.16	0.08	**1.59**	**0.64**
May 12	0.22	0.46	0.23	0.27	0.2	0.18	0.32	0.62	0.37	0.25	0.15	0.29	0.17	0.16	0.17	0.12	0.07	S	0.06	0.05	0.1	0.08	0.03	0.06	0.03	0.62	0.20
May 13	0.03	0.03	0.03	0.02	0.01	0	0.01	0	0.01	0	0	0	0.11	0	0.04	0.11	S	0.02	0.02	0	0	0	0	0	0.00	0.11	0.02
May 14	0	0	0	0	0	0	0.01	0.01	0.03	0.05	0	0.02	0.02	0.04	0.02	S	0.05	0.06	0.01	0.13	0.11	0.08	0.04	0.04	0.00	0.13	0.03
May 15	0.38	0.45	0.48	0.44	0.09	0.07	0.19	0.3	0.2	0.18	0.2	0.14	0.13	0.1	S	0.04	0.07	0.12	0.12	0.09	0.09	0.25	0.35	0.19	0.04	0.48	0.20
May 16	0.13	0.11	0.23	0.09	0.26	0.73	0.58	0.25	0.22	0.19	0.11	0.07	0.05	S	0.1	0.1	0.06	0.07	0.05	0.11	0.1	0.1	0.15	0.12	0.05	0.73	0.17
May 17	0.07	0.08	0.07	0.06	0.05	0.04	0.03	0.04	0.02	0.03	0.02	0.04	S	0.04	0.03	0.01	0.01	0.02	0	0.03	0.01	0.18	0.03	0.05	0.00	0.18	0.04
May 18	0.07	0.08	0.07	0.07	0.08	0.03	0.02	0.05	0.02	0	0.01	S	0.02	0	0.01	0.02	0	0.01	0.03	0	0.01	0.02	0.03	0.02	0.00	0.08	0.03
May 19	0.07	0.01	0.03	0.04	0.05	0.04	0.04	0.02	0.01	0.01	S	0.03	0.02	0.02	0.01	0.03	0.02	0.01	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.07	0.03
May 20	0.08	0.03	0.06	0.04	0.09	0.3	0.07	0.01	0.02	S	0.03	0.04	0.03	0.07	0.05	0.03	0.04	0.01	0.03	0.03	0.01	0.25	0.03	0.06	0.01	0.30	0.06
May 21	0.12	0.29	0.02	0.43	0.16	0.11	0.01	0.01	S	0.01	0.01	0.04	0.03	0.17	0.01	0	0.02	0.03	0.08	0.03	0.02	0.03	0.03	0.01	0.00	0.43	0.07
May 22	0.07	0.03	0.02	0.05	0.05	0.04	0.08	S	0.01	0.01	0.04	0.03	0.02	0.02	0.03	0.01	0.01	0	0.04	0.03	0.06	0.06	0.06	0.07	0.00	0.08	0.04
May 23	0.18	0.17	0.27	0.32	0.36	0.35	S	0.16	0.18	0.21	0.07	0.08	0.09	0.11	0.08	0.11	0.05	0.11	0.1	0.04	0.05	0.09	0.04	0.05	0.04	0.36	0.14
May 24	0.28	0.4	0.36	0.08	0.11	S	0.18	0.16	0.13	K	K	K	K	NRM	0.16	0.42	0.42	0.44	0.35	0.35	0.25	0.31	0.3	0.15	0.08	0.44	0.27
May 25	0.16	0.32	0.37	0.13	S	0.07	0.27	0.04	0.07	0.06	0.07	0.07	0.02	0.03	0.03	0.04	0.03	0.08	0.07	0.04	0.27	0.23	0.08	0.03	0.02	0.37	0.11
May 26	0.04	0.07	0.18	S	0.34	0.07	0.14	0.17	0.09	0.06	0.07	0.04	0.04	0.07	0.02	0.04	0.02	0.02	0.03	0.02	0.04	0.02	0	0.02	0.00	0.34	0.07
May 27	0.03	0.01	S	0.01	0.03	0	0.02	0.02	0.03	0.03	0.01	0.01	0	0	0.01	0	0.02	0.02	0.03	0.01	0.05	0.07	0	0.01	0.00	0.07	0.02
May 28	0.03	S	0.05	0.01	0.06	0.01	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0	0.01	0.02	0.02	0.03	0.02	0.04	0.09	0.3	0.00	0.30	0.04
May 29	S	0.02	0.22	1.08	0.11	0.1	0.14	0.14	0.04	0.11	0.02	0.02	0.01	0.03	0.04	0.05	0.06	0.02	0.07	0.09	0.12	0.06	0.03	S	0.01	1.08	0.12
May 30	0.04	0.09	0.09	0.08	0.05	0.06	0.04	0.02	0.04	0.05	0.09	0.08	0.1	0.09	0.05	0.07	0.05	0.03	0.02	0.03	0.04	0.05	S	0.11	0.02	0.11	0.06
May 31	0.03	0.01	0.03	0.07	0.12	0.07	0.08	0.03	0.13	0.03	0.06	0.07	0.06	0.07	0.04	0.11	0.07	0.09	0.05	0.03	0.09	S	0.23	0.09	0.01	0.23	0.07
Diurnal Maximum	1.48	1.42	1.15	1.16	1.04	1.58	1.59	1.43	0.98	0.59	0.52	0.29	0.24	0.17	0.17	0.42	0.42	0.44	0.35	0.35	0.29	0.31	0.35	0.73			
Diurnal Average	0.13	0.15	0.18	0.20	0.13	0.16	0.16	0.13	0.10	0.08	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.05	0.05	0.06	0.07	0.08	0.06	0.08			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



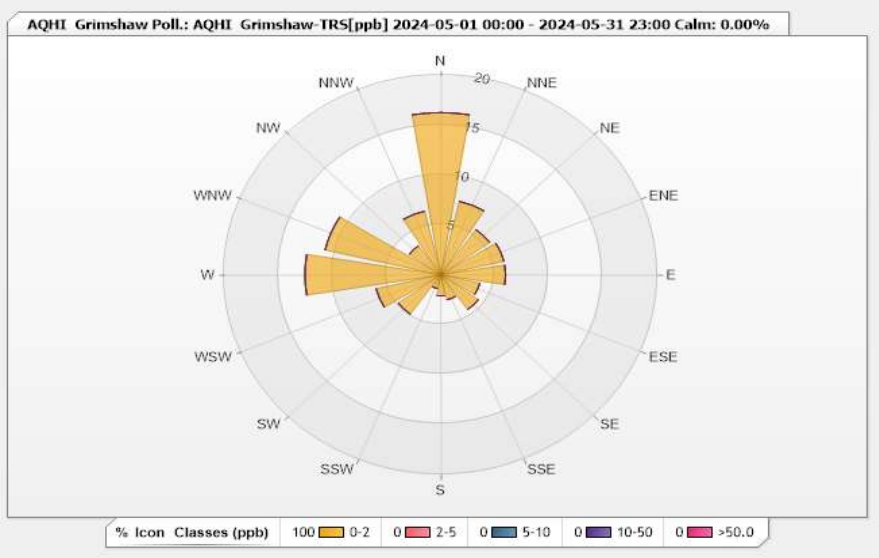


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.35% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	16.24	0	0	0	0	16.24
NNE	7.55	0	0	0	0	7.55
NE	5.56	0	0	0	0	5.56
ENE	5.98	0	0	0	0	5.98
E	5.98	0	0	0	0	5.98
ESE	3.7	0	0	0	0	3.7
SE	4.27	0	0	0	0	4.27
SSE	2.56	0	0	0	0	2.56
S	2.14	0	0	0	0	2.14
SSW	1.42	0	0	0	0	1.42
SW	4.84	0	0	0	0	4.84
WSW	6.13	0	0	0	0	6.13
W	12.54	0	0	0	0	12.54
WNW	10.97	0	0	0	0	10.97
NW	3.56	0	0	0	0	3.56
NNW	6.55	0	0	0	0	6.55
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

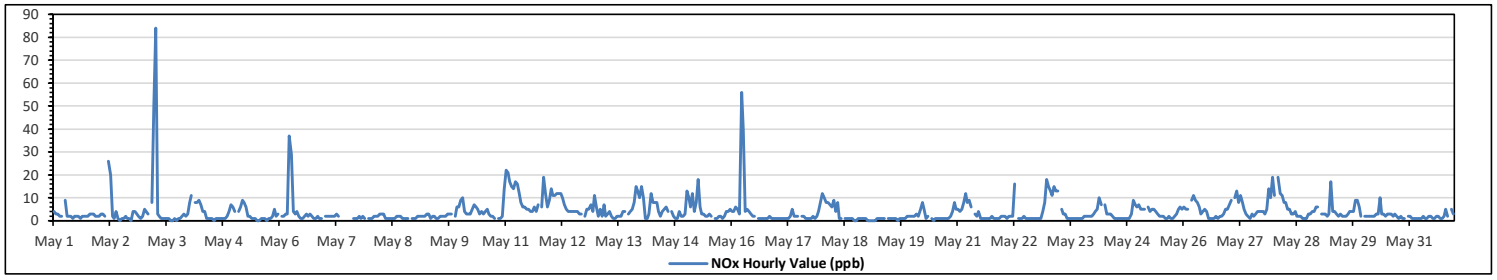
OXIDES OF NITROGEN (NOx) in ppb

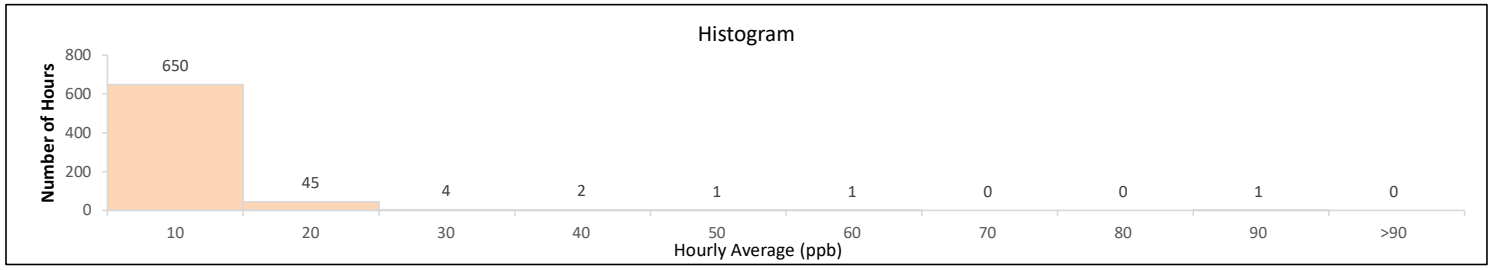
Maximum Hourly Value:	84	ppb	on May 3 at hr 6	Hours in Service:	744	
Maximum Daily Value:	10.5	ppb	on May 11	Hours of Data:	704	
Minimum Hourly Value:	0	ppb	on May 2 at hr 11	Hours of Missing Data:	0	
Minimum Daily Value:	0.9	ppb	on May 19	Hours of Calibration:	40	
Monthly Average:	4.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	4	3	3	2	2	S	9	2	2	2	1	2	2	2	1	2	2	2	2	3	3	3	2	2	1	9	2.5
May 2	2	3	3	2	S	26	20	2	1	4	1	0	1	1	2	1	1	0	4	4	3	2	1	2	0	26	3.7
May 3	5	4	3	S	8	50	84	3	2	1	1	1	1	1	0	0	1	0	1	1	2	3	2	3	0	84	7.7
May 4	8	11	S	8	8	9	7	4	4	1	1	1	1	0	1	1	1	1	1	1	2	4	7	6	0	11	3.8
May 5	4	S	4	6	9	8	6	2	2	1	1	1	0	0	1	1	1	0	1	1	2	5	2	3	0	9	2.7
May 6	S	2	2	3	3	37	29	4	3	4	2	1	1	2	3	2	3	2	1	1	2	1	1	S	1	37	5.0
May 7	2	2	2	2	2	2	3	2	C	C	C	C	C	C	C	1	1	1	2	1	2	1	S	1	1	3	NA
May 8	1	1	2	2	2	3	3	3	1	1	1	1	1	1	2	2	2	1	1	1	1	S	1	1	1	3	1.5
May 9	1	2	2	2	2	2	3	3	1	2	2	1	1	2	2	2	2	3	3	3	S	2	6	6	1	6	2.4
May 10	9	10	4	3	3	3	5	7	6	5	3	4	3	4	5	3	2	2	1	S	1	1	2	14	1	14	4.3
May 11	22	21	17	15	14	17	16	12	8	6	6	5	5	4	4	6	4	7	S	6	19	12	6	9	4	22	10.5
May 12	14	11	11	12	12	12	10	7	5	4	4	4	4	4	4	3	3	S	2	5	5	7	4	11	2	14	6.9
May 13	6	2	5	2	7	2	3	4	2	1	1	2	2	2	4	4	S	3	4	5	8	15	13	10	1	15	4.7
May 14	15	10	1	1	3	12	8	8	8	4	2	4	5	6	4	S	4	2	1	1	4	2	2	3	1	15	4.8
May 15	13	10	6	12	4	8	18	6	3	3	2	2	3	2	S	1	1	2	2	1	2	4	4	5	1	18	5.0
May 16	4	4	6	5	3	56	40	4	5	4	3	2	2	S	1	1	1	1	1	2	1	1	1	1	1	56	6.5
May 17	1	1	1	1	1	1	1	2	5	2	2	2	S	2	2	1	1	1	1	2	1	2	4	8	1	8	2.0
May 18	12	10	8	8	7	6	9	4	8	1	1	S	1	1	1	1	1	0	0	1	1	1	1	1	0	12	3.7
May 19	0	0	0	0	0	1	1	1	1	1	S	1	1	1	1	1	0	1	1	1	1	2	2	2	0	2	0.9
May 20	2	2	3	2	5	8	5	1	2	S	1	0	1	1	1	1	1	1	1	1	2	4	8	5	0	8	2.5
May 21	5	4	5	8	12	8	9	6	S	3	2	4	1	1	1	1	1	1	2	1	1	1	1	2	1	12	3.5
May 22	2	2	1	2	2	2	16	S	1	1	1	2	1	1	1	1	1	1	1	1	1	4	8	18	1	18	3.1
May 23	15	13	11	15	13	13	S	5	3	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	15	4.8
May 24	3	4	5	10	7	S	7	3	3	3	2	1	1	1	1	1	1	1	1	1	3	9	7	6	1	10	3.5
May 25	7	5	5	5	S	6	4	5	5	4	3	2	2	2	1	1	2	1	1	2	3	5	6	5	1	7	3.6
May 26	6	5	5	S	9	11	9	8	6	3	4	5	4	1	1	1	1	2	1	2	2	3	5	5	1	11	4.3
May 27	7	9	S	10	13	8	11	8	5	3	2	1	3	2	3	4	4	4	4	3	5	14	10	19	1	19	6.6
May 28	11	S	19	12	11	8	8	5	5	3	3	4	2	2	2	1	1	1	3	3	4	4	6	6	1	19	5.4
May 29	S	3	3	3	2	3	17	4	4	3	2	3	2	2	2	3	4	4	4	9	9	6	2	S	2	17	4.3
May 30	2	2	2	2	2	2	3	3	10	3	3	2	3	3	3	2	3	2	1	2	1	1	S	2	1	10	2.6
May 31	2	1	1	1	1	1	1	2	1	1	2	2	1	1	2	2	1	1	2	5	2	S	5	3	1	5	1.8
Diurnal Maximum	22	21	19	15	14	56	84	12	10	6	6	5	5	6	5	6	4	7	4	9	19	15	13	19			
Diurnal Average	6.4	5.4	4.8	5.4	5.8	11.2	12.2	4.3	3.9	2.7	2.1	2.1	1.9	1.8	2.0	1.7	1.7	1.6	1.7	2.4	3.2	4.2	4.2	5.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



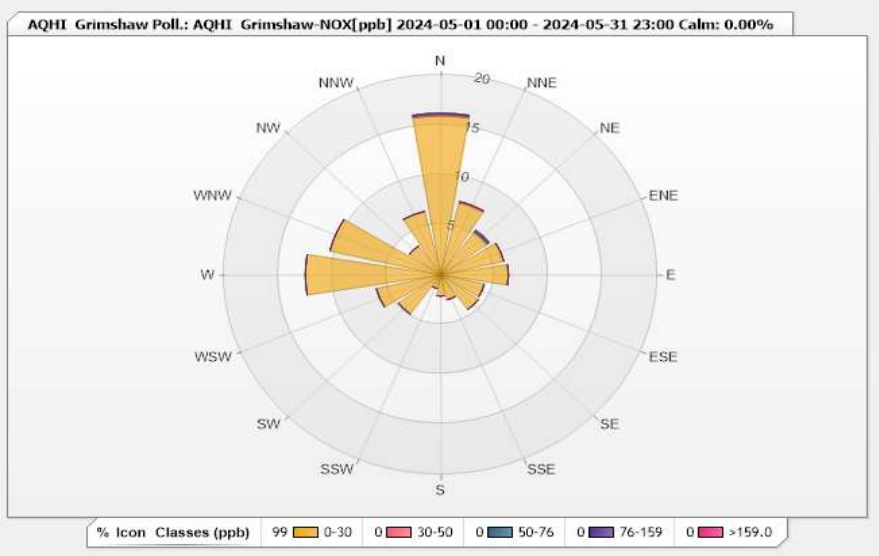


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	15.91	0.14	0.14	0	0	16.19
NNE	7.39	0.14	0	0	0	7.53
NE	5.26	0	0.14	0.14	0	5.54
ENE	5.97	0	0	0	0	5.97
E	6.25	0	0	0	0	6.25
ESE	4.12	0	0	0	0	4.12
SE	4.26	0	0	0	0	4.26
SSE	2.56	0	0	0	0	2.56
S	2.13	0	0	0	0	2.13
SSW	1.42	0	0	0	0	1.42
SW	4.83	0	0	0	0	4.83
WSW	6.11	0	0	0	0	6.11
W	12.5	0	0	0	0	12.5
WNW	10.51	0	0	0	0	10.51
NW	3.55	0	0	0	0	3.55
NNW	6.53	0	0	0	0	6.53
Summary	99.3	0.28	0.28	0.14	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

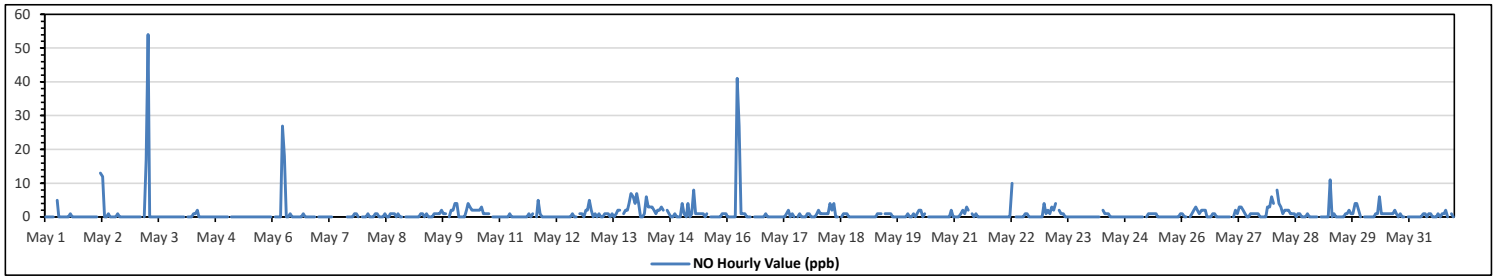
NITRIC OXIDE (NO) in ppb

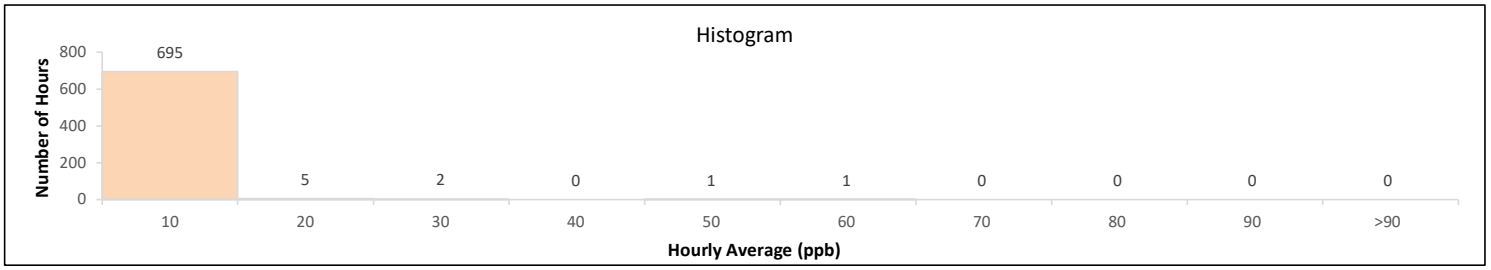
Maximum Hourly Value:	54	ppb	on May 3 at hr 6	Hours in Service:	744
Maximum Daily Value:	3.1	ppb	on May 16	Hours of Data:	704
Minimum Hourly Value:	0	ppb	on May 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on May 5	Hours of Calibration:	40
Monthly Average:	0.9	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0	0	0	0	0	S	5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0.3
May 2	0	0	0	0	S	13	12	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	13	1.2
May 3	0	0	0	S	0	17	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	3.1
May 4	0	0	S	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.2
May 5	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
May 6	S	0	0	0	0	27	18	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	S	0	27	2.1
May 7	0	0	0	0	0	0	0	0	C	C	C	C	C	C	C	0	0	0	0	1	1	0	S	0	0	1	NA
May 8	0	0	1	0	0	0	1	1	0	0	0	1	0	0	1	1	1	0	1	0	0	S	0	0	0	1	0.3
May 9	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	1	1	2	1	1	S	0	2	2	0	2	0.7
May 10	4	4	0	0	0	0	2	4	3	2	2	2	2	2	3	1	1	1	1	S	0	0	0	0	0	4	1.5
May 11	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	S	0	5	1	0	0	0	5	0.4
May 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	S	1	1	0	2	2	5	0	5	0.5
May 13	2	0	1	0	1	0	0	1	1	1	0	1	0	1	2	2	S	1	2	2	4	7	6	4	0	7	1.7
May 14	7	4	0	0	1	6	3	3	3	2	1	2	2	3	2	S	2	1	0	0	1	0	0	0	0	7	1.9
May 15	4	1	0	4	0	1	8	1	1	1	1	1	0	1	S	0	0	0	0	0	0	1	1	1	0	8	1.2
May 16	0	0	0	0	0	41	27	1	1	1	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	41	3.1
May 17	0	0	0	0	0	0	0	1	2	0	1	0	S	0	1	0	0	0	1	1	0	0	0	1	0	2	0.3
May 18	2	1	1	1	1	1	4	2	4	0	0	S	0	1	1	1	0	0	0	0	0	0	0	0	0	4	0.9
May 19	0	0	0	0	0	0	0	1	1	1	S	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	0.3
May 20	0	0	1	0	1	2	2	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0.4
May 21	0	0	0	1	2	1	3	2	S	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.5
May 22	0	0	0	0	0	0	10	S	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	4	0	10	0.7
May 23	1	2	1	3	2	4	S	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.7
May 24	0	0	0	0	0	S	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.2
May 25	0	0	0	0	S	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.3
May 26	1	0	0	S	0	1	2	3	2	1	2	2	2	0	0	0	1	1	0	0	0	0	0	0	0	3	0.8
May 27	0	0	S	0	2	1	3	3	2	1	0	0	1	1	1	1	1	0	0	0	0	3	3	6	0	6	1.3
May 28	4	S	8	4	3	1	2	2	2	1	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	8	1.4
May 29	S	0	0	0	0	0	11	0	1	0	0	0	0	0	1	1	2	1	1	4	4	2	0	S	0	11	1.3
May 30	0	0	0	0	0	0	1	1	6	1	1	1	1	1	1	1	2	1	0	1	0	0	S	0	0	6	0.8
May 31	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	1	1	2	0	S	1	0	0	2	0.4
Diurnal Maximum	7	4	8	4	3	41	54	4	6	2	2	2	2	3	3	2	2	2	2	4	5	7	6	6			
Diurnal Average	0.9	0.4	0.4	0.4	0.4	4.0	5.8	1.1	1.2	0.7	0.4	0.5	0.3	0.5	0.7	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.6	0.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



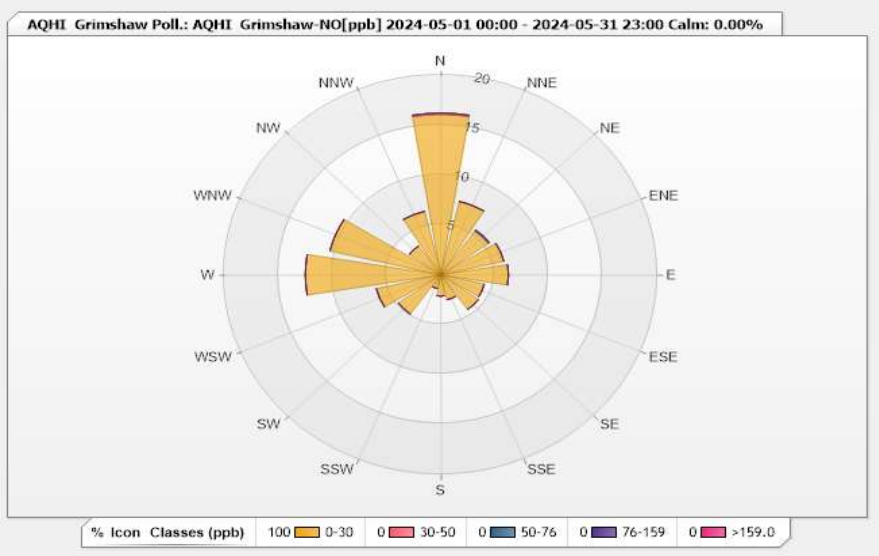


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	16.05	0.14	0	0	0	16.19
NNE	7.53	0	0	0	0	7.53
NE	5.4	0	0.14	0	0	5.54
ENE	5.97	0	0	0	0	5.97
E	6.25	0	0	0	0	6.25
ESE	4.12	0	0	0	0	4.12
SE	4.26	0	0	0	0	4.26
SSE	2.56	0	0	0	0	2.56
S	2.13	0	0	0	0	2.13
SSW	1.42	0	0	0	0	1.42
SW	4.83	0	0	0	0	4.83
WSW	6.11	0	0	0	0	6.11
W	12.5	0	0	0	0	12.5
WNW	10.51	0	0	0	0	10.51
NW	3.55	0	0	0	0	3.55
NNW	6.53	0	0	0	0	6.53
Summary	100	0.14	0.14	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb

Number of 1-Hour Exceedances: 0

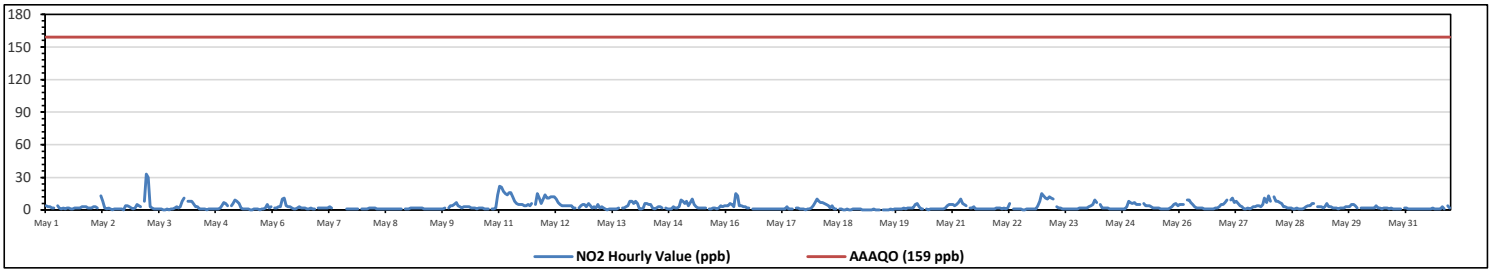
Maximum Hourly Value:	33	ppb	on May 3 at hr 5	Hours in Service:	744
Maximum Daily Value:	10.0	ppb	on May 11	Hours of Data:	704
Minimum Hourly Value:	0	ppb	on May 2 at hr 11	Hours of Missing Data:	0
Minimum Daily Value:	0.4	ppb	on May 19	Hours of Calibration:	40
Monthly Average:	3.1	ppb		Operational Uptime:	100.0

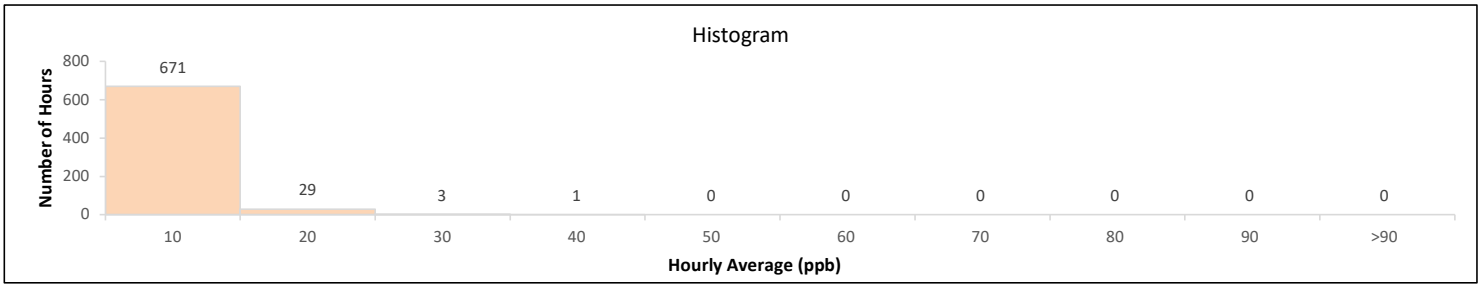
Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	4	3	3	2	2	S	4	2	1	2	1	2	2	1	1	2	2	2	2	3	3	3	2	2	1	4	2.2
May 2	2	3	3	2	S	13	8	2	1	2	1	0	1	1	1	1	1	0	4	4	3	2	1	2	0	13	2.5
May 3	5	4	3	S	8	33	30	3	2	1	1	1	1	1	0	0	1	0	1	1	2	3	2	3	0	33	4.6
May 4	8	11	S	8	8	8	6	3	3	1	1	1	1	0	1	1	1	1	1	1	2	4	7	6	0	11	3.7
May 5	4	S	4	6	9	8	6	2	1	1	1	1	0	0	1	1	1	0	1	1	2	5	2	3	0	9	2.6
May 6	S	2	2	3	3	10	11	4	3	3	2	1	1	2	3	2	2	2	1	1	2	1	1	S	1	11	2.8
May 7	2	2	2	2	2	2	3	2	C	C	C	C	C	C	C	1	1	1	1	1	1	1	S	1	1	3	NA
May 8	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	1	1	2	1.2
May 9	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	S	2	4	4	1	4	1.7
May 10	5	7	4	3	2	3	3	3	3	2	2	2	1	2	2	2	1	1	1	S	1	1	2	14	1	14	2.9
May 11	22	21	17	15	14	16	16	12	8	6	5	5	5	4	4	5	4	6	S	5	15	11	6	9	4	22	10.0
May 12	14	11	11	12	12	12	10	7	5	4	4	4	4	4	4	2	2	S	2	4	5	5	3	6	2	14	6.4
May 13	4	2	3	2	5	2	3	2	1	0	1	1	1	1	1	2	S	2	2	3	4	8	8	6	0	8	2.8
May 14	8	6	1	1	2	6	6	5	5	2	1	2	3	3	2	S	2	1	1	1	3	2	2	3	1	8	3.0
May 15	9	8	6	8	4	7	10	5	3	2	2	2	2	2	S	1	1	2	2	1	2	4	3	4	1	10	3.9
May 16	4	4	6	5	3	15	13	4	4	3	3	2	2	S	1	1	1	1	1	1	1	1	1	1	1	15	3.4
May 17	1	1	1	1	1	1	1	1	3	1	1	1	S	2	2	1	1	1	0	1	1	2	4	7	0	7	1.6
May 18	10	8	7	7	6	5	4	2	4	1	1	S	1	1	0	0	1	0	0	1	1	1	1	1	0	10	2.7
May 19	0	0	0	0	0	0	1	0	0	0	S	0	0	0	0	1	0	1	1	1	1	1	2	1	0	2	0.4
May 20	2	2	2	2	5	6	3	1	1	S	1	0	1	1	1	1	1	1	1	1	2	4	5	5	0	6	2.1
May 21	5	4	5	7	10	6	5	4	S	2	2	3	1	1	1	1	1	1	1	1	1	1	1	2	1	10	2.9
May 22	2	2	1	2	1	2	6	S	1	1	1	1	1	0	0	1	1	1	1	1	1	4	8	15	0	15	2.3
May 23	13	11	10	12	11	10	S	3	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	13	4.0
May 24	3	4	5	9	7	S	5	2	2	2	2	1	1	1	1	1	1	1	1	1	3	8	7	6	1	9	3.2
May 25	7	5	5	5	S	6	4	4	4	3	2	2	2	2	1	1	1	1	1	2	3	5	6	4	1	7	3.3
May 26	5	5	5	S	9	9	7	5	3	2	2	2	2	1	1	1	1	1	2	2	3	5	5	1	9	3.4	
May 27	7	9	S	9	11	7	8	6	4	3	1	1	2	1	2	3	3	4	4	3	5	11	7	13	1	13	5.4
May 28	8	S	12	8	8	7	6	3	3	2	2	2	1	1	2	1	1	1	2	3	4	4	6	6	1	12	4.0
May 29	S	3	3	3	2	3	6	3	3	2	2	2	1	2	2	2	3	3	3	5	5	4	2	S	1	6	2.9
May 30	2	2	2	2	2	2	2	2	4	2	2	1	2	2	2	1	2	1	1	1	1	1	S	2	1	4	1.8
May 31	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	1	S	4	2	1	4	1.3
Diurnal Maximum	22	21	17	15	14	33	30	12	8	6	5	5	5	4	4	5	4	6	4	5	15	11	8	15			
Diurnal Average	5.5	5.0	4.4	4.9	5.2	7.0	6.4	3.2	2.7	1.9	1.7	1.5	1.5	1.4	1.4	1.3	1.4	1.3	1.4	1.9	2.7	3.6	3.6	4.7			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



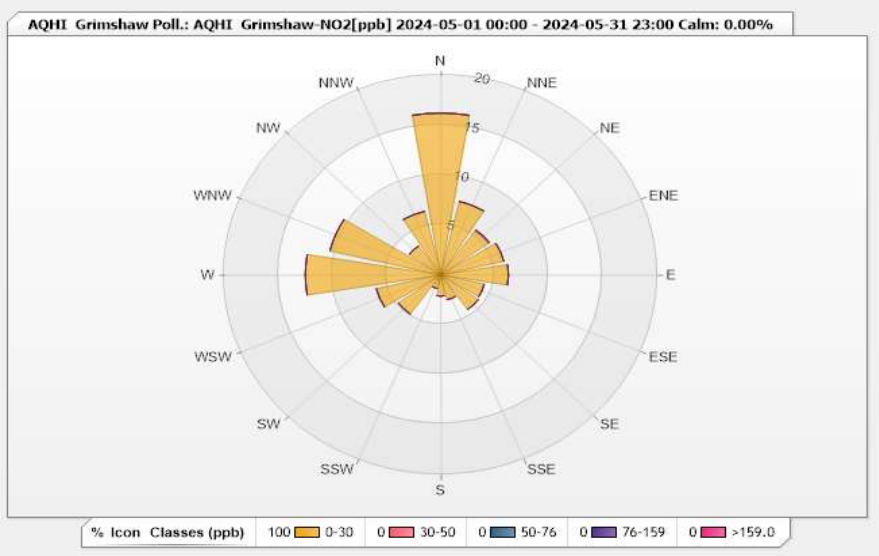


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	16.19	0	0	0	0	16.19
NNE	7.53	0	0	0	0	7.53
NE	5.4	0.14	0	0	0	5.54
ENE	5.97	0	0	0	0	5.97
E	6.25	0	0	0	0	6.25
ESE	4.12	0	0	0	0	4.12
SE	4.26	0	0	0	0	4.26
SSE	2.56	0	0	0	0	2.56
S	2.13	0	0	0	0	2.13
SSW	1.42	0	0	0	0	1.42
SW	4.83	0	0	0	0	4.83
WSW	6.11	0	0	0	0	6.11
W	12.5	0	0	0	0	12.5
WNW	10.51	0	0	0	0	10.51
NW	3.55	0	0	0	0	3.55
NNW	6.53	0	0	0	0	6.53
Summary	100	0.14	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

OZONE (O_3) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 76 ppb

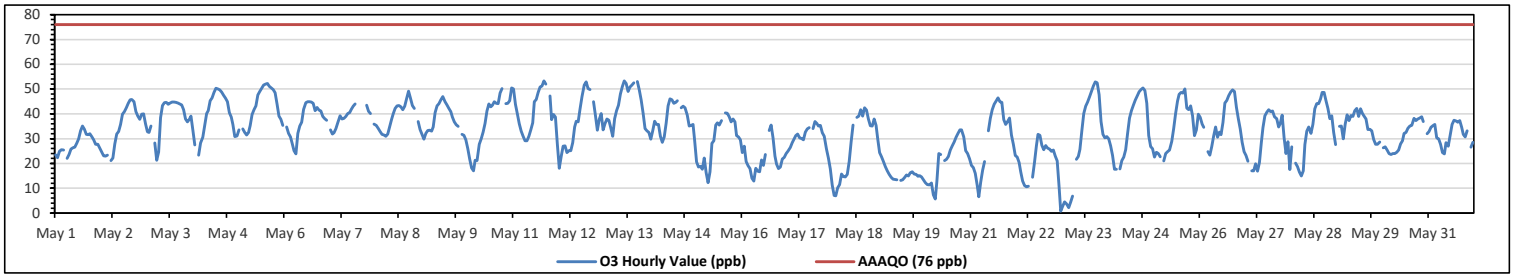
Number of 1-Hour Exceedances: 0

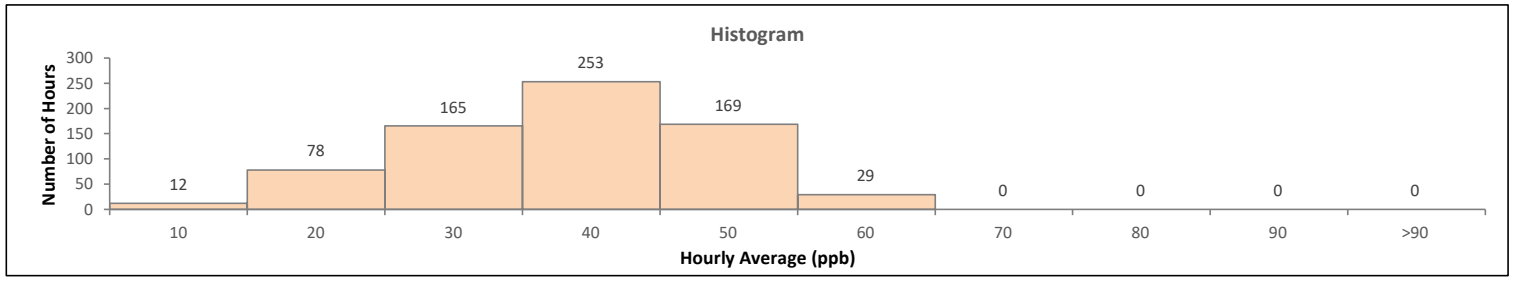
Maximum Hourly Value:	53.3	ppb	on May 11 at hr 16	Hours in Service:	744
Maximum Daily Value:	43.3	ppb	on May 13	Hours of Data:	706
Minimum Hourly Value:	0.7	ppb	on May 22 at hr 23	Hours of Missing Data:	0
Minimum Daily Value:	16.0	ppb	on May 19	Hours of Calibration:	38
Monthly Average:	33.0	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	23.5	22.3	24.9	25.6	25.4	S	22	23.7	25.8	26.3	26.5	28.1	30	33.1	35	33.8	31.8	31.6	32	30.8	29.6	27.8	27.8	26.1	22.0	35.0	28.0
May 2	24.6	23.1	23	23.4	S	21.2	22.2	27.9	31.9	32.9	35.8	39.9	40.9	42.5	44.3	45.7	45.8	45	40.8	39.1	37.8	39.9	40	36	21.2	45.8	34.9
May 3	32.7	32.4	35.1	S	28.2	21.3	24.6	38.5	43.3	44.5	44.6	43.9	44.4	44.8	44.8	44.6	44.4	44	43.6	41.7	38	36.7	37.8	39	21.3	44.8	38.8
May 4	33.4	27.5	S	23.4	28.2	30.6	35.3	40.1	41.3	45.2	46.4	48.6	50.3	50.1	49.6	48.8	47.4	46.3	45	40.6	38.7	35.8	30.8	31.1	23.4	50.3	39.8
May 5	33.6	S	33.9	32.5	31.5	32.5	35.2	39.7	41.7	43.2	47.6	49	50.3	51.6	52	52.3	51.1	50.4	49.8	48.5	44	39	37.8	35.3	31.5	52.3	42.7
May 6	S	34.6	32.2	30.7	28.2	25.1	23.8	32.2	35.1	36.6	41.8	44.5	45	44.9	44.8	44.3	41.3	42.6	41.5	41.1	38.9	38.1	37.4	S	23.8	45.0	37.5
May 7	33.6	31.9	32.3	34.1	36.5	39.2	38	38.2	38.9	40.1	40.6	41.8	43	44	C	C	C	C	C	43.4	41	40.1	S	35.9	31.9	44.0	38.5
May 8	35.3	34.2	32.9	31.8	31.5	30.9	31.9	34.8	37.8	40	42.2	43.2	43.3	42.9	41.6	43.1	46.2	49.2	46.3	43.3	42.2	S	36.9	33.7	30.9	49.2	38.9
May 9	31.8	29.8	32.2	33.3	33.4	33	34.6	40.6	43.2	44.1	45.6	47	45	43.6	42.2	40.9	38.7	36.7	35.6	34.9	S	31.7	31.4	29.6	29.6	47.0	37.3
May 10	26	21.7	18.2	17.1	21.3	21.2	27.7	30	32.6	36.1	41.1	44	42.9	43.4	45	44.2	44.1	48.4	50.2	S	44.1	44.2	45.2	50.5	17.1	50.5	36.5
May 11	50	43.9	40	36	33	31	29.1	29.2	30.9	33.5	36.4	45	45.8	48.6	50.8	51.2	53.3	51.9	S	47.2	37.7	39.7	38.7	27.8	27.8	53.3	40.5
May 12	18	22.8	26.9	27.1	24.4	25.1	25.1	28.3	34.6	37	36.7	42.1	47	51.5	52.9	50.2	49.8	S	44.9	39.3	33.4	37.8	40.1	33.6	18.0	52.9	36.0
May 13	36.2	37.9	37.4	34.3	30.9	38.1	41.3	43.5	48	51	53.3	52.2	49.1	50.9	51.6	52.5	S	53	49.6	45.5	40.3	34.1	33.1	32.4	30.9	53.3	43.3
May 14	29.8	33.1	37	35.8	35.8	31	28.5	30.7	36.3	43.2	46	45.7	44.2	44.7	45.3	S	42.5	43.1	42.4	39.5	35	35.4	35.7	29.3	28.5	46.0	37.8
May 15	20.6	18.5	18.8	17.6	22.2	16.2	12.3	16.6	28	29.1	35.5	36.4	35.5	37.2	S	40.4	40.3	38.8	36.7	38	36.7	31.2	30.7	29.5	12.3	40.4	29.0
May 16	24.4	26.9	20.7	19.1	17.9	14.1	12.9	18	16.9	16.7	21.5	19.2	23.7	S	33.3	35.5	30.2	23	19.7	17.9	18.6	21.7	22.4	24	12.9	35.5	21.7
May 17	25	26.4	28.4	29.9	31.2	31.9	30.2	30.1	29.6	32.6	33.9	34.4	S	34.1	36.8	36.1	35.1	35.3	32.3	31	25.8	22.1	17.7	11.1	11.1	36.8	29.6
May 18	7.1	6.9	10.2	11.5	15.7	14.7	14.6	15.5	20.8	28.6	35.5	S	38.6	39.1	41.7	39	42.4	41.5	37.9	35.2	35	37.9	35.4	30.1	6.9	42.4	27.6
May 19	24.3	22.7	20.7	18.7	17	15.6	14.4	13.6	13.5	13.4	S	13.1	13.3	14.3	15.3	15	16.3	16.7	15.7	15.6	14.9	15.1	14.6	13.3	13.1	24.3	16.0
May 20	12.2	11.5	11.3	12.1	7.3	5.7	12.8	23.9	23.6	S	21.2	21.6	22.8	25.4	27.1	28.6	30.6	32.2	33.6	33.6	30.7	25.1	23.9	21.9	5.7	33.6	21.7
May 21	19.3	18.3	16	11.2	6.6	12.5	17.3	20.7	S	33.2	38.2	41.6	43.8	45.1	46.5	45	44.6	37.7	35.8	36.9	38.3	31.5	27.7	23.2	6.6	46.5	30.0
May 22	22.6	20.3	16.6	12.9	11	10.6	10.8	S	14.4	20.4	27.1	31.8	31.3	27.3	25.6	27.2	26.1	25.8	24.9	25.4	23	21	10.4	0.7	0.7	31.8	20.3
May 23	2.6	4.5	3.7	2.2	4.4	6.8	S	21.6	22.8	25.7	33.1	40.2	43.1	44.8	46.9	49	51.2	52.9	52.5	47.7	36.8	31.7	30.2	30.8	2.2	52.9	29.8
May 24	29.9	27.1	23.2	17.6	17.6	S	17.7	21.2	22.6	25.5	32.2	38.4	41.3	43.5	45.5	47.5	48.9	49.8	50.4	49.4	44.3	31.2	26.8	25.9	17.6	50.4	33.8
May 25	22.5	24.5	23.9	22.7	S	21	24	24.7	25.4	28.9	34.1	40.2	45.1	47.8	48.7	48.4	50.1	42.3	41.7	43.2	39.2	31.2	33.6	39.9	21.0	50.1	34.9
May 26	38.6	35.9	34.5	S	24.7	23.3	26.8	31.1	34.6	30.6	32.6	31.6	36.5	44.4	45.4	47.3	48.8	49.7	49	42.7	38.1	33.9	28.5	24.8	23.3	49.7	36.2
May 27	23.2	20.9	S	17	17	19.8	16.9	20.4	28.5	34.4	39.2	40.7	41.6	40.8	41.1	38.8	38.1	34.7	36.2	39.4	30.4	24	28.8	17.5	16.9	41.6	30.0
May 28	26.7	S	20.1	18.7	16.5	15	17.1	27.6	33	34.7	32.2	35.7	42.1	44.1	44.1	46	48.6	48.7	45.2	42.2	38.1	39.2	32.5	27.6	15.0	48.7	33.7
May 29	S	34.9	35.1	29.9	35.9	39.6	37.2	39.3	38.9	41.3	42.2	38.9	42.1	40.2	39	37.9	33.7	33.8	33.1	29.7	27.8	27.7	28.6	S	27.7	42.2	35.8
May 30	26.3	26.7	25.4	24	23.7	23.9	23.9	24.5	25.4	27.9	29.2	32.1	32.4	34.2	35	35.3	38.2	37.3	38	38.3	38.8	36.8	S	32	23.7	38.8	30.8
May 31	32.9	34.5	35.2	35.8	30.2	30	27.7	24.3	23.8	28.4	26.9	31.4	35.7	37.4	37.1	36.6	37.2	34.5	31.7	30.7	33.1	S	26.5	28.5	23.8	37.4	31.7
Diurnal Maximum	50.0	43.9	40.0	36.0	36.5	39.6	41.3	43.5	48.0	51.0	53.3	52.2	50.3	51.6	52.9	52.5	53.3	53.0	52.5	49.4	44.3	44.2	45.2	50.5			
Diurnal Average	26.4	26.1	25.9	23.7	23.7	23.5	24.5	28.4	30.8	33.5	36.6	38.1	39.7	41.2	41.7	41.6	41.3	40.6	39.2	37.7	35.0	32.5	30.7	28.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



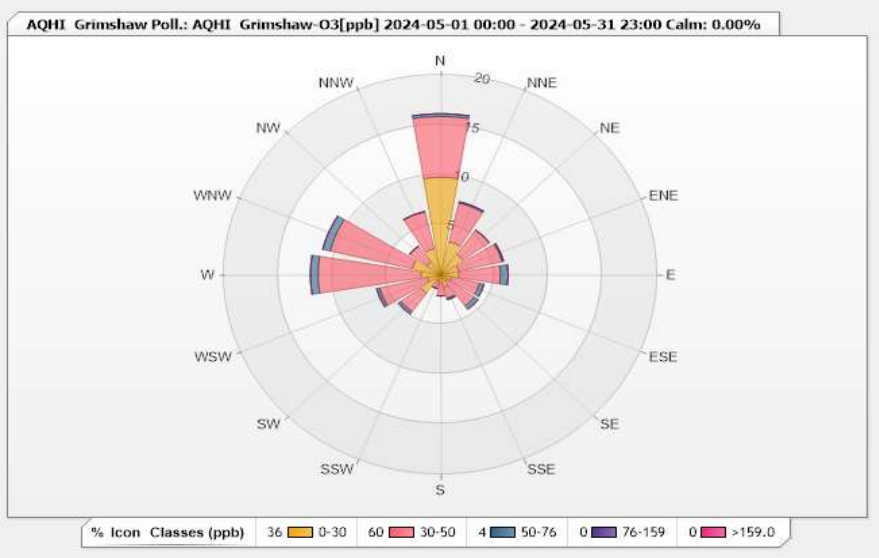


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	9.77	6.09	0.28	0	0	16.14
NNE	3.4	3.97	0.14	0	0	7.51
NE	2.55	2.97	0	0	0	5.52
ENE	1.7	4.11	0.14	0	0	5.95
E	1.7	3.82	0.71	0	0	6.23
ESE	0.99	2.69	0.42	0	0	4.1
SE	0.71	3.12	0.42	0	0	4.25
SSE	1.27	1.13	0.14	0	0	2.54
S	0.85	1.27	0	0	0	2.12
SSW	0.57	0.85	0	0	0	1.42
SW	2.27	2.27	0.28	0	0	4.82
WSW	1.27	4.53	0.28	0	0	6.08
W	1.84	9.49	0.71	0	0	12.04
WNW	2.69	7.79	0.71	0	0	11.19
NW	1.56	1.98	0	0	0	3.54
NNW	2.69	3.82	0	0	0	6.51
Summary	35.83	59.9	4.23	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

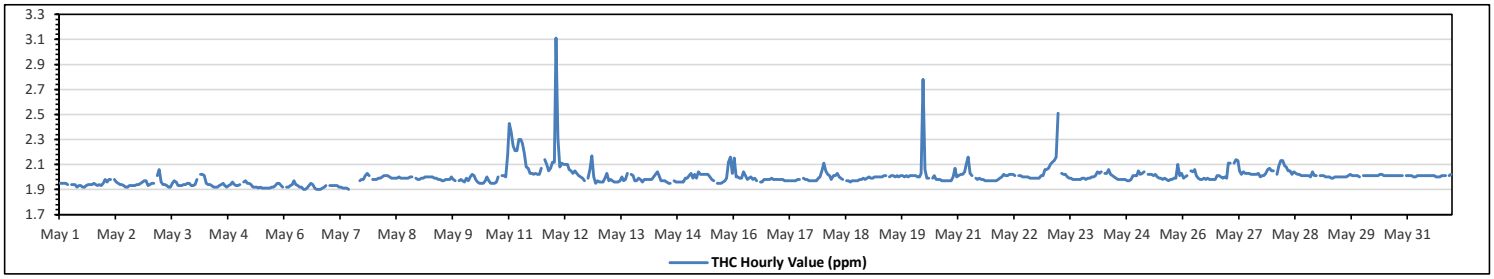
TOTAL HYDROCARBONS (THC) in ppm

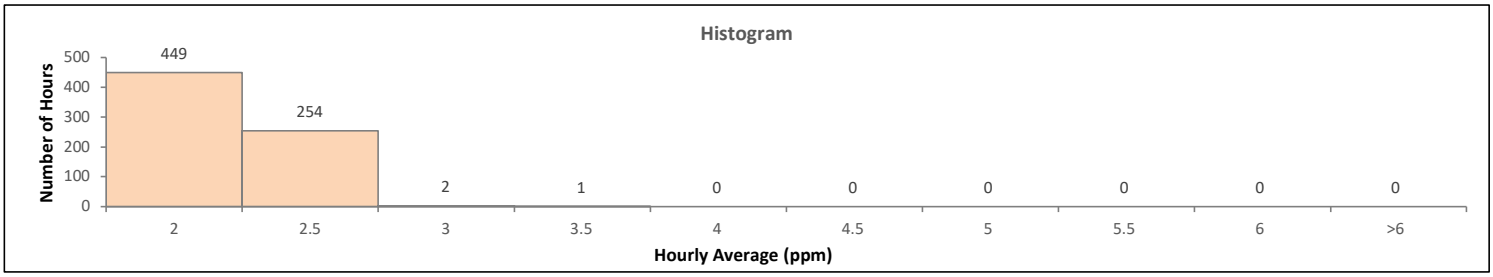
Maximum Hourly Value:	3.11	ppm	on May 12 at hr 1	Hours in Service:	744
Maximum Daily Value:	2.15	ppm	on May 11	Hours of Data:	706
Minimum Hourly Value:	1.90	ppm	on May 6 at hr 10	Hours of Missing Data:	0
Minimum Daily Value:	1.92	ppm	on May 6	Hours of Calibration:	38
Monthly Average:	2.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.95	1.95	1.95	1.95	1.94	S	1.94	1.94	1.94	1.92	1.93	1.93	1.92	1.92	1.93	1.94	1.94	1.94	1.95	1.94	1.93	1.94	1.93	1.95	1.92	1.95	1.94
May 2	1.98	1.96	1.98	1.98	S	1.98	1.96	1.95	1.94	1.94	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.97	1.93	1.92	1.98	1.95
May 3	1.94	1.95	1.95	S	2.01	2.06	1.96	1.94	1.94	1.93	1.92	1.92	1.95	1.97	1.96	1.93	1.93	1.93	1.94	1.94	1.95	1.95	1.93	1.93	1.92	2.06	1.95
May 4	1.94	1.98	S	2.02	2.02	2.01	1.95	1.94	1.94	1.93	1.92	1.92	1.92	1.93	1.94	1.95	1.93	1.92	1.93	1.94	1.96	1.94	1.93	1.93	1.92	2.02	1.95
May 5	1.94	S	1.96	1.97	1.95	1.95	1.94	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.93	1.95	1.95	1.93	1.92	1.91	1.97	1.93
May 6	S	1.92	1.92	1.93	1.94	1.97	1.94	1.93	1.92	1.92	1.90	1.90	1.91	1.93	1.95	1.94	1.91	1.90	1.90	1.90	1.91	1.92	1.93	S	1.90	1.97	1.92
May 7	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.91	1.91	1.91	1.90	C	C	C	C	C	1.97	1.98	1.98	2.01	2.03	2.01	S	1.98	1.90	2.03	1.95
May 8	1.98	1.98	1.99	1.99	2.00	2.01	2.01	2.01	2.00	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	S	1.99	1.98	1.98	2.01	1.99
May 9	1.98	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.97	1.98	1.98	1.98	2.00	1.98	1.97	S	1.97	1.98	1.97	1.97	2.00	1.98
May 10	1.96	1.99	1.97	2.00	2.02	2.01	1.98	1.96	1.95	1.95	1.95	1.97	2.00	1.97	1.95	1.95	1.95	1.96	2.00	S	2.01	2.01	2.00	2.18	1.95	2.18	1.99
May 11	2.43	2.36	2.25	2.21	2.21	2.30	2.30	2.27	2.19	2.08	2.07	2.03	2.03	2.02	2.03	2.02	2.02	2.07	S	2.14	2.10	2.05	2.07	2.12	2.02	2.43	**2.15**
May 12	2.12	**3.11**	2.31	2.08	2.11	2.10	2.10	2.10	2.06	2.05	2.03	2.05	2.03	2.01	2.00	1.99	1.97	S	1.99	2.06	2.17	2.00	1.95	1.97	1.95	**3.11**	2.10
May 13	1.96	1.96	1.96	1.99	2.03	1.97	1.98	1.97	1.96	1.96	1.96	1.97	2.00	1.97	1.98	2.03	S	2.02	2.01	1.97	1.97	1.99	1.98	1.96	1.96	2.03	1.98
May 14	1.98	1.98	1.98	1.98	1.98	2.00	2.02	2.04	2.01	1.97	1.97	1.97	1.96	1.95	1.95	S	1.97	1.96	1.96	1.96	1.96	1.96	1.99	1.99	1.95	2.04	1.98
May 15	2.01	2.03	1.99	2.02	1.99	2.04	2.02	2.02	2.02	2.02	2.02	2.00	1.98	1.97	S	1.95	1.95	1.95	1.96	1.97	1.99	2.12	2.16	2.03	1.95	2.16	2.01
May 16	2.15	2.00	2.00	1.99	1.99	2.04	2.01	1.98	1.99	2.00	1.98	1.99	1.97	S	1.96	1.96	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.96	2.15	1.99
May 17	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	S	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.99	2.00	2.05	1.97	2.05	1.98
May 18	2.11	2.05	2.02	2.01	1.98	2.01	2.01	2.03	2.00	1.99	1.98	S	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.99	1.98	1.99	1.96	2.11	2.00
May 19	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.01	2.01	S	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.01	1.99	2.01	2.00
May 20	2.01	2.01	2.00	2.00	2.03	2.78	2.06	1.99	1.99	S	1.99	2.01	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	2.00	2.07	2.00	1.97	2.78	2.03
May 21	2.01	2.02	2.02	2.04	2.10	2.16	2.03	2.01	S	1.99	1.98	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99	2.00	1.97	2.16	2.00
May 22	2.02	2.01	2.01	2.02	2.02	2.02	2.01	S	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.01	2.01	2.06	2.06	1.99	2.06	2.01
May 23	2.07	2.10	2.12	2.13	2.16	2.51	S	2.03	2.02	2.02	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.98	1.99	1.99	2.00	1.98	2.51	2.04
May 24	2.00	2.01	2.04	2.03	2.04	S	2.03	2.03	2.06	2.02	2.01	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.98	2.01	2.01	2.01	1.97	2.06	2.00
May 25	2.05	2.02	2.03	2.04	S	2.02	2.02	2.02	2.01	2.02	2.00	1.99	1.99	1.98	1.99	1.98	1.97	1.98	1.98	1.99	1.99	2.10	2.01	2.03	1.97	2.10	2.01
May 26	1.99	2.00	2.01	S	2.05	2.04	2.06	2.01	1.99	1.98	1.98	1.99	1.98	1.99	1.98	1.98	1.98	1.98	2.01	2.01	2.00	1.99	2.00	1.99	1.98	2.06	2.00
May 27	2.11	2.11	S	2.11	2.14	2.13	2.05	2.02	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.03	2.00	2.01	2.01	2.03	2.06	2.07	2.05	2.00	2.14	2.05
May 28	2.05	S	2.02	2.09	2.13	2.13	2.09	2.08	2.05	2.05	2.02	2.04	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.04	2.01	2.01	2.00	2.13	2.04
May 29	S	2.01	2.01	2.01	2.00	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.01	2.01	2.01	2.00	S	1.99	2.02	2.00
May 30	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.01	2.01	2.02	2.01
May 31	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.01	2.01	2.01	S	2.01	2.02	2.00	2.02	2.01
Diurnal Maximum	2.43	3.11	2.31	2.21	2.21	2.78	2.30	2.27	2.19	2.08	2.07	2.05	2.03	2.02	2.03	2.03	2.03	2.07	2.01	2.14	2.17	2.12	2.16	2.18			
Diurnal Average	2.02	2.05	2.01	2.02	2.03	2.07	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	1.99	1.99	2.00	2.00	2.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



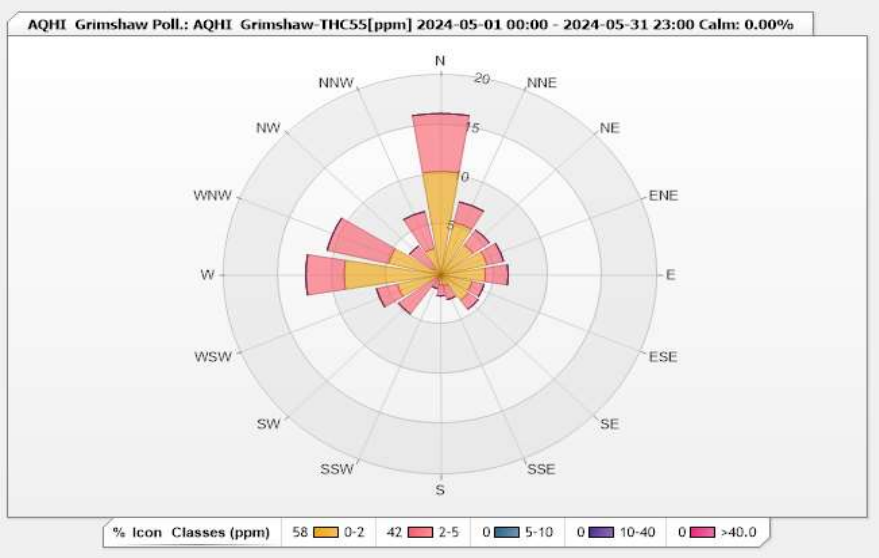


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	10.34	5.81	0	0	0	16.15
NNE	5.38	2.12	0	0	0	7.5
NE	3.68	1.84	0	0	0	5.52
ENE	4.39	1.56	0	0	0	5.95
E	4.11	2.12	0	0	0	6.23
ESE	2.97	1.13	0	0	0	4.1
SE	3.12	1.13	0	0	0	4.25
SSE	1.13	1.42	0	0	0	2.55
S	0.99	1.13	0	0	0	2.12
SSW	0	1.42	0	0	0	1.42
SW	0.42	4.39	0	0	0	4.81
WSW	4.11	1.98	0	0	0	6.09
W	8.92	3.54	0	0	0	12.46
WNW	4.96	5.81	0	0	0	10.77
NW	0.85	2.69	0	0	0	3.54
NNW	2.69	3.82	0	0	0	6.51
Summary	58.06	41.91	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

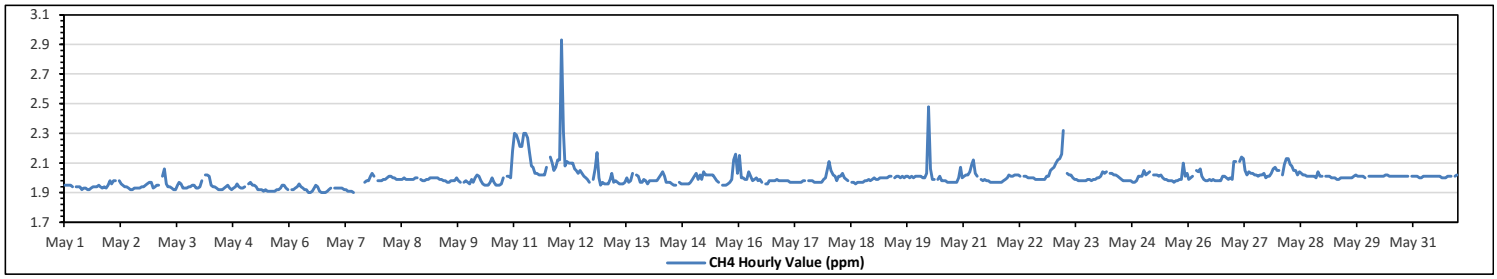
METHANE (CH4) in ppm

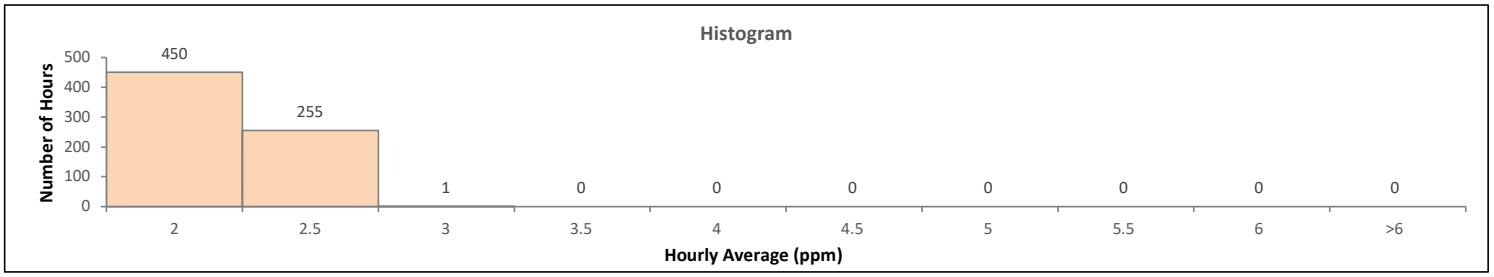
Maximum Hourly Value:	2.93	ppm	on May 12 at hr 1	Hours in Service:	744
Maximum Daily Value:	2.14	ppm	on May 11	Hours of Data:	706
Minimum Hourly Value:	1.90	ppm	on May 6 at hr 10	Hours of Missing Data:	0
Minimum Daily Value:	1.92	ppm	on May 6	Hours of Calibration:	38
Monthly Average:	2.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	1.95	1.95	1.95	1.95	1.94	S	1.94	1.94	1.94	1.92	1.93	1.93	1.92	1.92	1.93	1.94	1.94	1.94	1.95	1.94	1.93	1.94	1.93	1.95	1.92	1.95	1.94
May 2	1.98	1.96	1.98	1.98	S	1.98	1.96	1.95	1.94	1.94	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.97	1.93	1.92	1.98	1.95
May 3	1.94	1.95	1.95	S	2.01	2.06	1.96	1.94	1.94	1.93	1.92	1.92	1.95	1.97	1.96	1.93	1.93	1.93	1.94	1.94	1.95	1.95	1.93	1.93	1.92	2.06	1.95
May 4	1.94	1.98	S	2.02	2.02	2.01	1.95	1.94	1.94	1.93	1.92	1.92	1.92	1.93	1.94	1.95	1.93	1.92	1.93	1.94	1.96	1.94	1.93	1.93	1.92	2.02	1.95
May 5	1.94	S	1.96	1.97	1.95	1.95	1.94	1.92	1.92	1.92	1.91	1.92	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.93	1.95	1.95	1.93	1.92	1.91	1.97	1.93
May 6	S	1.92	1.92	1.93	1.94	1.96	1.94	1.93	1.92	1.92	1.90	1.90	1.91	1.93	1.95	1.94	1.91	1.90	1.90	1.90	1.91	1.92	1.93	S	1.90	1.96	1.92
May 7	1.93	1.93	1.93	1.93	1.93	1.92	1.92	1.91	1.91	1.91	1.90	C	C	C	C	C	1.97	1.98	1.98	2.01	2.03	2.01	S	1.98	1.90	2.03	1.95
May 8	1.98	1.98	1.99	1.99	2.00	2.01	2.01	2.00	2.00	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	S	1.99	1.98	1.98	2.01	1.99
May 9	1.98	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.97	1.97	1.98	1.98	1.98	2.00	1.98	1.97	S	1.97	1.98	1.97	1.97	2.00	1.98
May 10	1.96	1.99	1.97	2.00	2.02	2.01	1.98	1.96	1.95	1.95	1.95	1.97	2.00	1.97	1.95	1.95	1.95	1.96	2.00	S	2.01	2.01	2.00	2.18	1.95	2.18	1.99
May 11	2.30	2.29	2.25	2.21	2.21	2.30	2.30	2.27	2.17	2.08	2.07	2.03	2.03	2.02	2.02	2.02	2.02	2.07	S	2.14	2.10	2.05	2.07	2.12	2.02	2.30	**2.14**
May 12	2.12	**2.93**	2.31	2.08	2.11	2.10	2.10	2.10	2.06	2.05	2.03	2.05	2.03	2.01	2.00	1.99	1.97	S	1.99	2.06	2.17	2.00	1.95	1.97	1.95	**2.93**	2.09
May 13	1.96	1.96	1.96	1.99	2.03	1.97	1.98	1.97	1.96	1.96	1.96	1.97	2.00	1.97	1.98	2.03	S	2.02	2.01	1.97	1.97	1.99	1.98	1.96	1.96	2.03	1.98
May 14	1.98	1.98	1.98	1.98	1.98	2.00	2.02	2.04	2.01	1.97	1.97	1.97	1.96	1.95	1.95	S	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.95	2.04	1.98
May 15	2.01	2.03	1.99	2.02	1.99	2.04	2.02	2.02	2.02	2.02	2.02	2.00	1.98	1.97	S	1.95	1.95	1.95	1.96	1.97	1.99	2.12	2.16	2.03	1.95	2.16	2.01
May 16	2.15	2.00	2.00	1.99	1.99	2.04	2.01	1.98	1.99	2.00	1.98	1.99	1.97	S	1.96	1.96	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.96	2.15	1.99
May 17	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	S	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.99	2.00	2.05	1.97	2.05	1.98
May 18	2.11	2.05	2.02	2.01	1.98	2.01	2.01	2.03	2.00	1.99	1.98	S	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.99	1.98	1.99	1.96	2.11	2.00
May 19	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.01	2.01	S	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.01	1.99	2.01	2.00
May 20	2.01	2.01	2.00	2.00	2.03	2.48	2.06	1.99	1.99	S	1.99	2.01	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	2.00	2.07	2.00	1.97	2.48	2.02
May 21	2.01	2.02	2.02	2.04	2.09	2.12	2.03	2.01	S	1.99	1.98	1.99	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.99	2.00	1.97	2.12	2.00
May 22	2.02	2.01	2.01	2.02	2.02	2.02	2.01	S	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.01	2.01	2.05	2.06	1.99	2.06	2.01
May 23	2.07	2.10	2.12	2.13	2.16	2.32	S	2.03	2.02	2.02	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.98	1.99	1.99	2.00	1.98	2.32	2.03
May 24	2.00	2.01	2.04	2.03	2.04	S	2.03	2.03	2.02	2.02	2.01	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.98	2.01	2.01	2.01	1.97	2.04	2.00
May 25	2.05	2.02	2.03	2.04	S	2.02	2.02	2.02	2.01	2.02	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.98	1.98	1.99	1.99	2.10	2.01	2.03	1.97	2.10	2.01
May 26	1.99	2.00	2.01	S	2.05	2.04	2.06	2.01	1.99	1.98	1.98	1.99	1.98	1.99	1.98	1.98	1.98	1.98	2.01	2.01	2.00	1.99	2.00	1.99	1.98	2.06	2.00
May 27	2.11	2.11	S	2.11	2.14	2.13	2.05	2.02	2.04	2.03	2.03	2.02	2.02	2.01	2.02	2.02	2.03	2.00	2.01	2.01	2.03	2.06	2.07	2.05	2.00	2.14	2.05
May 28	2.05	S	2.02	2.09	2.13	2.13	2.09	2.08	2.05	2.05	2.02	2.04	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.04	2.01	2.01	2.00	2.13	2.04
May 29	S	2.01	2.01	2.01	2.00	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.01	2.01	2.01	2.00	S	1.99	2.02	2.00
May 30	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.01	2.01	2.02	2.01
May 31	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.01	2.01	2.01	S	2.01	2.02	2.00	2.02	2.01
Diurnal Maximum	2.30	2.93	2.31	2.21	2.21	2.48	2.30	2.27	2.17	2.08	2.07	2.05	2.03	2.02	2.02	2.03	2.03	2.07	2.01	2.14	2.17	2.12	2.16	2.18			
Diurnal Average	2.02	2.04	2.01	2.02	2.03	2.06	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	1.99	1.99	2.00	2.00	2.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



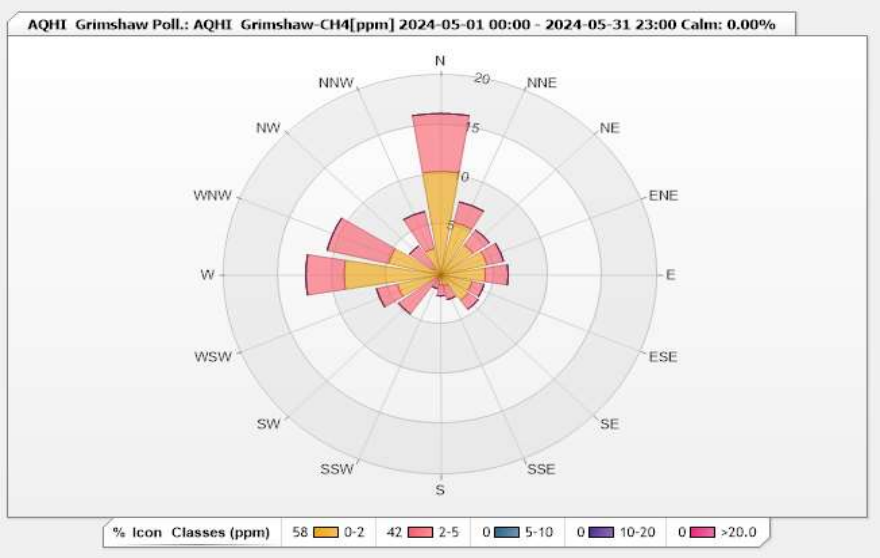


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	10.34	5.81	0	0	0	16.15
NNE	5.38	2.12	0	0	0	7.5
NE	3.68	1.84	0	0	0	5.52
ENE	4.39	1.56	0	0	0	5.95
E	4.11	2.12	0	0	0	6.23
ESE	2.97	1.13	0	0	0	4.1
SE	3.12	1.13	0	0	0	4.25
SSE	1.13	1.42	0	0	0	2.55
S	0.99	1.13	0	0	0	2.12
SSW	0	1.42	0	0	0	1.42
SW	0.42	4.39	0	0	0	4.81
WSW	4.11	1.98	0	0	0	6.09
W	8.92	3.54	0	0	0	12.46
WNW	4.96	5.81	0	0	0	10.77
NW	0.85	2.69	0	0	0	3.54
NNW	2.69	3.82	0	0	0	6.51
Summary	58.06	41.91	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

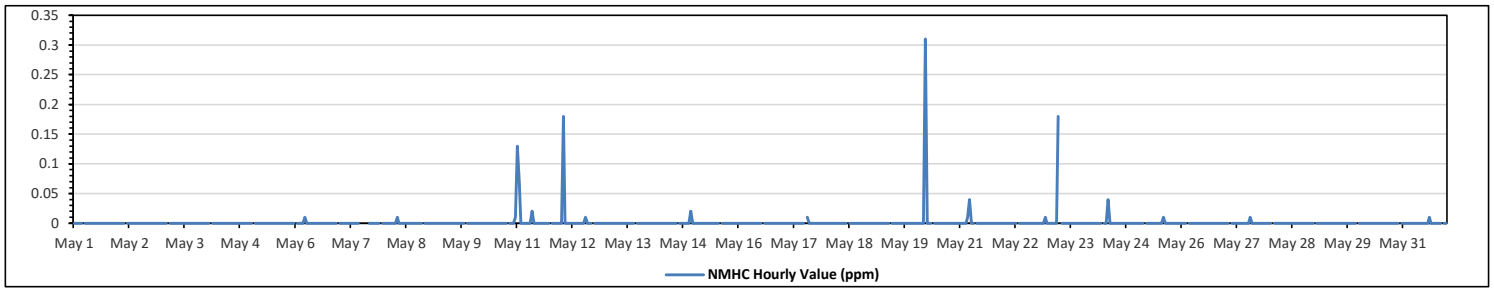
NON-METHANE HYDROCARBONS (NMHC) in ppm

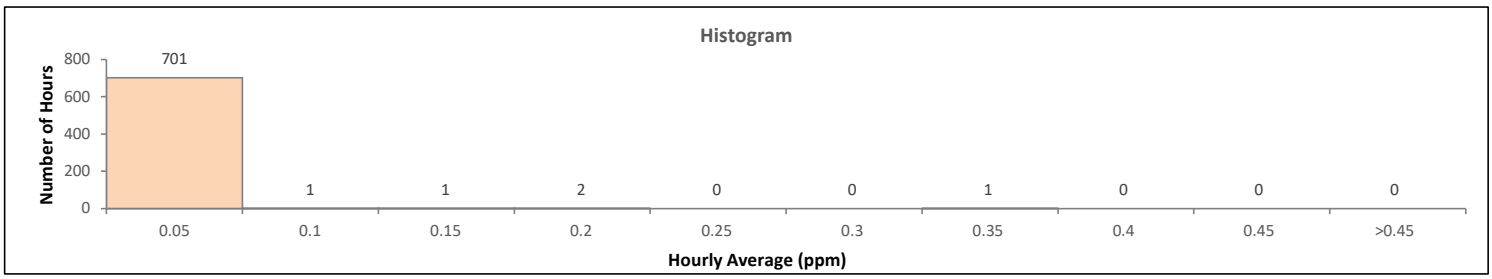
Maximum Hourly Value:	0.31	ppm	on May 20 at hr 5	Hours in Service:	744	
Maximum Daily Value:	0.01	ppm	on May 20	Hours of Data:	706	
Minimum Hourly Value:	0.00	ppm	on May 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on May 1	Hours of Calibration:	38	
Monthly Average:	0.00	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 2	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 3	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 4	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 5	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 6	S	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.01	0.00
May 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.00
May 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
May 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.00	0.01	0.00
May 11	0.13	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.01
May 12	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01
May 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00
May 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 20	0.00	0.00	0.00	0.00	0.00	**0.31**	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.31**	**0.01**
May 21	0.00	0.00	0.00	0.00	0.01	0.04	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
May 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
May 23	0.00	0.00	0.00	0.00	0.00	0.18	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01
May 24	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
May 25	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 26	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 27	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
May 28	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May 29	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
May 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
May 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.00
Diurnal Maximum	0.13	0.18	0.00	0.00	0.01	0.31	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01			
Diurnal Average	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



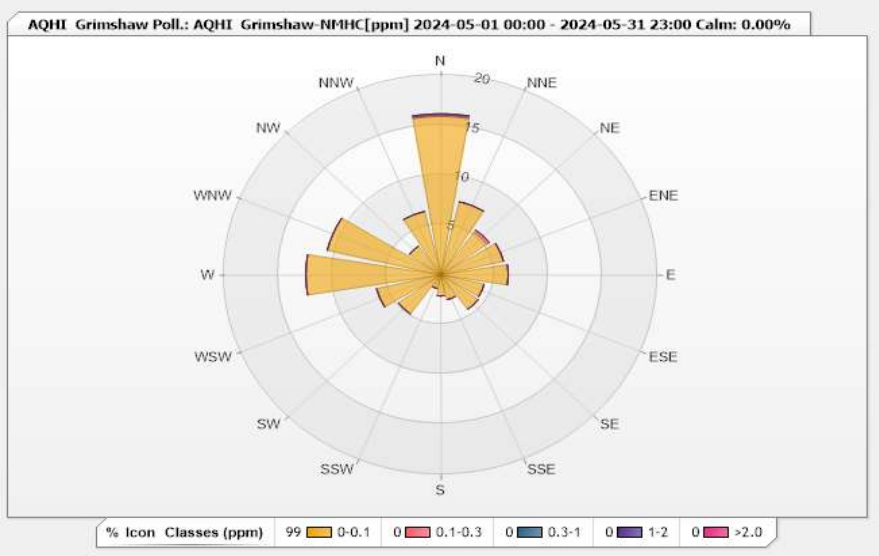


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 05-2024

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	15.86	0.14	0.14	0	0	16.14
NNE	7.51	0	0	0	0	7.51
NE	5.24	0.28	0	0	0	5.52
ENE	5.95	0	0	0	0	5.95
E	6.23	0	0	0	0	6.23
ESE	4.11	0	0	0	0	4.11
SE	4.25	0	0	0	0	4.25
SSE	2.55	0	0	0	0	2.55
S	2.12	0	0	0	0	2.12
SSW	1.42	0	0	0	0	1.42
SW	4.82	0	0	0	0	4.82
WSW	6.09	0	0	0	0	6.09
W	12.46	0	0	0	0	12.46
WNW	10.76	0	0	0	0	10.76
NW	3.54	0	0	0	0	3.54
NNW	6.52	0	0	0	0	6.52
Summary	99.43	0.42	0.14	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

PARTICULATE MATTER 2.5 ($PM_{2.5}$) in µg/m^3

Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3

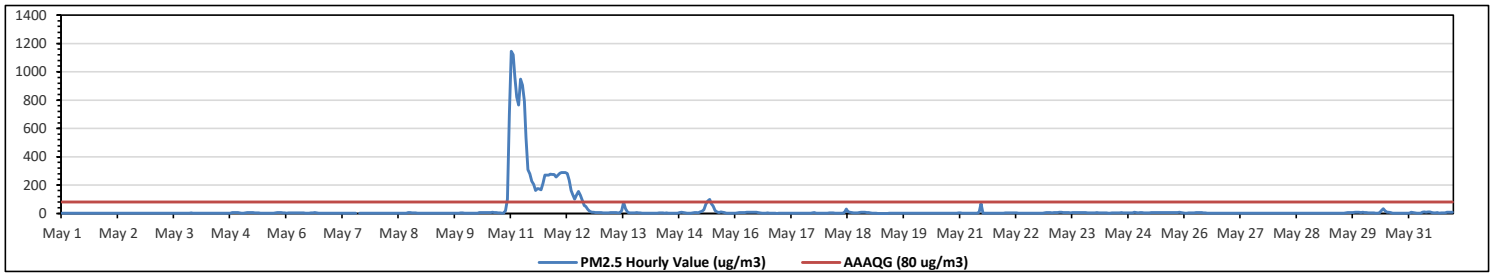
Number of 1-Hour Exceedances: 43 Number of 24-Hour Exceedances: 3

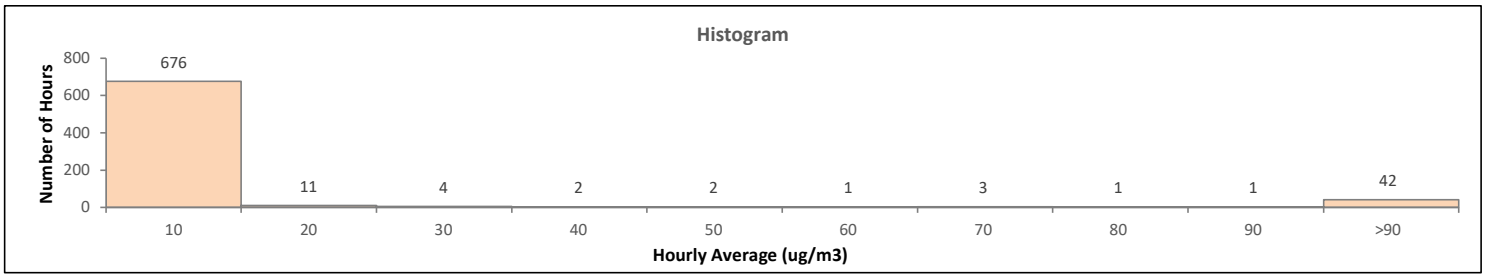
Maximum Hourly Value:	1144 µg/m^3 on May 11 at hr 0	Hours in Service:	744
Maximum Daily Value:	481.3 µg/m^3 on May 11	Hours of Data:	743
Minimum Hourly Value:	0 µg/m^3 on May 16 at hr 22	Hours of Missing Data:	0
Minimum Daily Value:	1 µg/m^3 on May 19	Hours of Calibration:	1
Monthly Average:	25.2 µg/m^3	Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0
May 2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0
May 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	4	3.0
May 4	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	5	5	4	2	6	3.4
May 5	3	3	4	5	5	5	5	4	4	4	3	3	3	3	3	3	3	3	4	5	6	5	4	4	3	6	3.9
May 6	3	4	4	4	4	4	4	4	4	4	3	3	3	4	4	5	4	3	2	2	2	3	3	3	2	5	3.5
May 7	3	3	3	2	2	2	2	3	2	2	2	2	2	2	C	2	2	2	2	2	2	2	2	2	2	3	2.2
May 8	1	1	1	1	1	2	2	3	2	2	2	2	3	3	3	3	3	5	5	4	4	4	3	3	1	5	2.6
May 9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	4	4	3	2	4	3.0
May 10	3	3	3	3	3	3	3	5	5	6	5	5	5	5	7	6	5	4	4	3	3	19	101	697	3	697	37.8
May 11	**1144**	1120	970	822	765	950	907	793	536	307	280	228	203	163	175	172	165	212	271	269	272	278	274	274	163	**1144**	**481.3**
May 12	257	271	285	288	289	288	282	235	163	133	100	131	154	128	92	56	48	29	14	7	7	6	5	5	5	289	136.4
May 13	5	4	4	4	4	5	5	6	5	4	4	19	78	33	10	4	4	4	4	5	4	4	3	3	3	78	9.4
May 14	3	3	3	2	2	3	3	4	4	4	3	4	3	3	3	2	3	2	5	7	5	4	3	3	2	7	3.4
May 15	3	4	5	5	4	10	15	26	65	86	98	68	50	20	11	5	11	9	5	3	2	3	2	3	2	98	21.4
May 16	3	4	5	6	6	5	7	8	8	8	7	7	5	4	3	3	3	4	3	2	1	1	0	1	**0**	8	4.3
May 17	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	5	3	3	3	2	3	1	5	2.1
May 18	3	3	4	4	4	3	3	3	3	3	6	30	13	8	6	4	4	4	6	7	9	9	6	5	3	30	6.3
May 19	4	2	1	1	0	0	0	0	0	0	1	1	1	2	1	1	1	2	2	1	1	1	1	2	**0**	4	**1.1**
May 20	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	1	4	2.3
May 21	4	3	3	3	3	3	3	3	3	3	7	70	2	2	2	2	2	3	3	3	3	3	3	3	2	70	5.8
May 22	4	4	4	4	4	4	4	3	3	3	3	3	3	3	2	3	2	2	2	3	3	4	5	6	2	6	3.4
May 23	5	4	5	5	6	7	7	6	5	5	5	4	5	5	5	5	5	6	6	5	4	4	4	4	4	7	5.1
May 24	4	5	4	4	4	4	4	3	3	4	4	4	4	4	5	4	4	4	4	4	4	7	6	4	3	7	4.2
May 25	5	6	4	4	4	4	5	6	5	5	5	5	5	5	5	6	6	6	6	6	6	7	6	4	4	7	5.3
May 26	3	3	4	4	4	4	5	5	6	5	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	6	3.2
May 27	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	2	2	2	1	2	3	1	1	1	3	1.7
May 28	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	2	2	2	2	3	1	3	1.4
May 29	3	3	2	3	3	2	2	2	2	2	2	2	3	3	4	6	5	5	5	7	8	7	6	7	2	8	3.9
May 30	6	5	4	4	4	4	3	3	4	21	33	17	7	8	6	3	3	3	2	2	2	2	2	2	2	33	6.3
May 31	3	9	6	4	3	3	3	7	11	9	11	10	6	4	4	5	3	4	4	4	7	7	7	7	3	11	5.9
Diurnal Maximum	1144	1120	970	822	765	950	907	793	536	307	280	228	203	163	175	172	165	212	271	269	272	278	274	697			
Diurnal Average	48.1	48.0	43.5	38.8	36.9	43.1	41.8	37.2	27.9	20.7	19.6	20.8	18.8	14.1	12.5	10.5	10.1	11.1	12.5	12.2	12.4	13.3	15.3	34.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 05-2024

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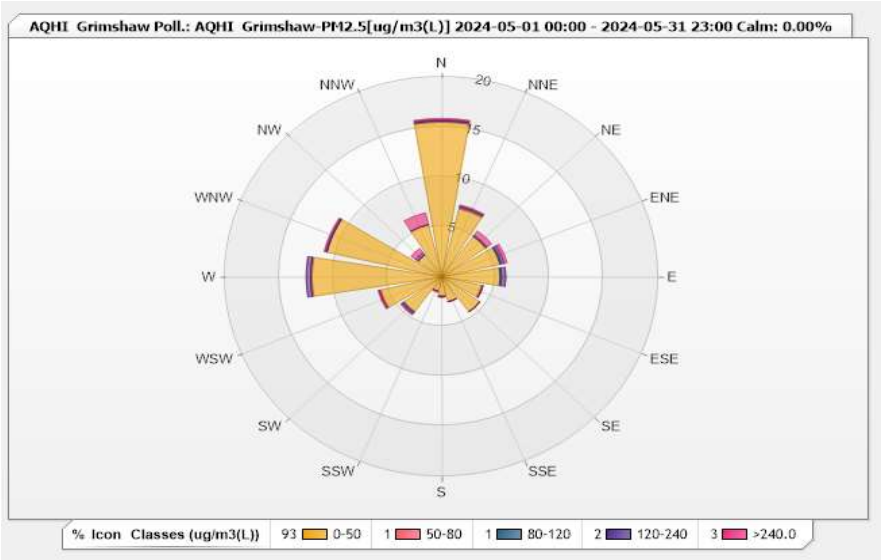
Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 99.87% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	15.48	0.13	0	0.13	0.13	15.87
NNE	7	0.13	0.13	0	0.13	7.39
NE	4.98	0	0.13	0	0.54	5.65
ENE	5.52	0	0.13	0.27	0.27	6.19
E	5.38	0	0.13	0.4	0	5.91
ESE	3.77	0.13	0	0	0	3.9
SE	4.31	0	0	0	0	4.31
SSE	2.56	0	0	0	0	2.56
S	1.88	0.13	0	0	0	2.01
SSW	1.48	0	0	0	0.13	1.61
SW	4.31	0	0.13	0.13	0.13	4.7
WSW	5.79	0.13	0	0	0.13	6.05
W	11.98	0.13	0	0.4	0	12.51
WNW	10.9	0	0	0.13	0.13	11.16
NW	2.69	0	0	0.27	0.54	3.5
NNW	5.38	0	0	0	1.21	6.59
Summary	93.41	0.78	0.65	1.73	3.34	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

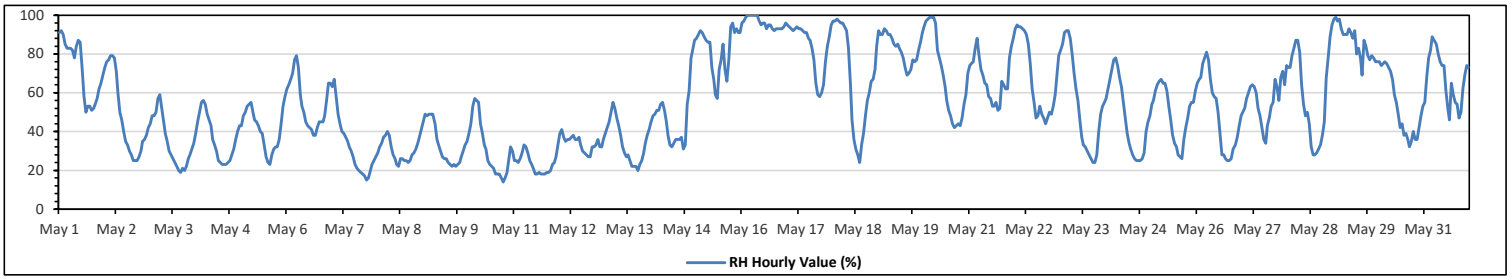
Maximum Hourly Value:	100	%	on May 16 at hr 3	Hours in Service:	744	
Maximum Daily Value:	96.1	%	on May 16	Hours of Data:	744	
Minimum Hourly Value:	14	%	on May 10 at hr 18	Hours of Missing Data:	0	
Minimum Daily Value:	23.6	%	on May 11	Hours of Calibration:	0	
Monthly Average:	54.6	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	91	92	90	85	83	83	83	82	78	84	87	86	73	58	50	53	53	51	52	54	57	62	65	69	50	92	71.7
May 2	73	76	77	79	79	78	71	60	50	46	40	35	33	30	28	25	25	25	27	30	35	36	38	42	25	79	47.4
May 3	44	48	48	50	57	59	52	45	39	35	30	28	26	24	22	20	19	21	20	22	26	28	31	34	19	59	34.5
May 4	39	45	50	55	56	54	49	46	43	36	33	30	25	24	23	23	23	24	25	28	31	36	40	43	23	56	36.7
May 5	43	48	50	53	54	55	50	46	45	43	40	39	33	27	24	23	28	31	32	32	36	44	53	58	23	58	41.1
May 6	62	64	67	70	77	79	73	59	53	50	45	43	42	41	38	38	42	45	45	45	48	56	65	65	38	79	54.7
May 7	63	67	58	49	44	40	39	37	35	32	30	27	23	21	20	19	18	17	15	16	20	23	25	27	15	67	31.9
May 8	29	32	34	37	38	40	38	32	28	26	23	22	26	26	25	25	24	25	28	29	31	34	37	41	22	41	30.4
May 9	45	49	48	49	49	49	44	36	33	30	27	26	26	24	23	22	23	22	23	24	27	30	33	35	22	49	33.2
May 10	39	44	53	57	56	55	44	39	33	31	25	23	22	21	18	18	18	16	**14**	16	19	25	32	30	**14**	57	31.2
May 11	25	25	24	26	29	33	32	29	25	23	21	18	18	19	18	18	18	19	19	20	23	24	27	33	18	33	**23.6**
May 12	39	41	37	35	36	36	37	38	36	36	37	33	30	29	28	27	27	32	32	33	36	32	32	36	27	41	34.0
May 13	39	42	45	50	55	52	47	43	38	32	29	27	28	25	22	22	22	20	23	25	29	34	38	41	20	55	34.5
May 14	45	48	49	51	51	54	55	51	45	38	33	32	34	36	36	36	37	31	33	54	61	78	82	87	31	87	48.2
May 15	88	90	92	91	89	87	86	86	73	67	59	57	72	77	85	72	66	77	94	96	91	93	91	91	57	96	82.1
May 16	96	97	99	**100**	**100**	**100**	**100**	**100**	**100**	97	95	96	96	93	95	95	93	92	93	93	93	93	94	96	92	**100**	**96.1**
May 17	95	94	93	92	93	94	93	93	92	91	91	88	87	83	77	65	59	58	60	64	76	84	89	95	58	95	83.6
May 18	97	97	98	97	96	96	94	92	83	65	46	36	31	28	24	33	39	48	56	60	66	67	72	84	24	98	66.9
May 19	92	90	90	93	92	90	90	88	85	84	85	83	81	78	73	69	70	72	77	76	77	82	86	91	69	93	83.1
May 20	94	97	98	99	99	99	96	82	78	74	69	63	56	51	48	44	42	43	44	43	47	54	59	70	42	99	68.7
May 21	74	75	76	83	88	79	72	69	65	64	58	57	53	53	55	51	52	66	64	62	62	78	84	88	51	88	67.8
May 22	93	95	94	94	93	92	90	85	75	62	55	47	48	53	49	47	44	47	50	49	53	59	70	79	44	95	67.6
May 23	82	85	91	92	92	88	80	70	62	56	46	37	33	32	30	28	26	24	24	28	40	49	53	55	24	92	54.3
May 24	57	62	67	72	77	78	74	68	63	55	47	39	34	31	28	26	25	25	25	26	29	40	45	48	25	78	47.5
May 25	54	56	61	64	66	67	65	65	61	53	46	38	34	32	28	27	26	36	42	47	53	55	55	61	26	67	49.7
May 26	65	67	68	75	78	81	77	67	60	58	57	50	39	28	28	26	25	25	26	31	33	37	43	48	25	81	49.7
May 27	50	52	57	60	63	64	63	60	52	48	42	36	34	43	47	53	55	67	63	56	68	71	64	74	34	74	55.9
May 28	73	73	79	83	87	87	81	64	54	48	50	44	32	28	28	29	31	33	38	45	68	78	89	95	28	95	59.0
May 29	98	99	97	98	93	90	90	90	93	91	88	92	80	83	78	69	87	84	79	77	79	78	76	76	69	99	86.0
May 30	76	74	75	76	75	73	71	67	59	55	49	42	44	38	39	36	32	35	40	36	36	42	48	53	32	76	53.0
May 31	55	68	78	82	89	87	85	80	76	74	74	61	52	46	65	59	55	54	47	50	62	69	74	73	46	89	67.3
Diurnal Maximum	98	99	99	100	100	100	100	100	100	97	95	96	96	93	95	95	93	92	94	96	93	93	94	96			
Diurnal Average	65.0	67.5	69.1	70.9	72.1	71.6	68.4	63.5	58.5	54.3	50.2	46.3	43.4	41.4	40.4	38.6	38.8	40.8	42.3	44.1	48.8	53.9	57.7	61.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

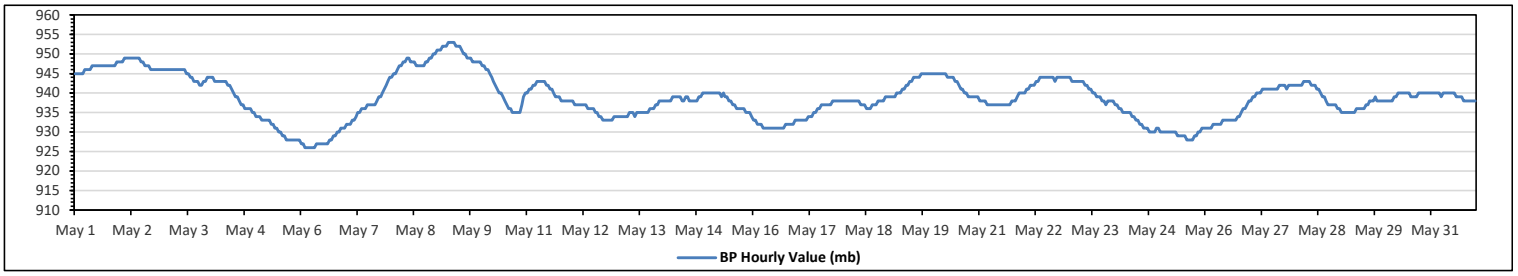
Maximum Hourly Value:	953 mb	on May 9 at hr 6	Hours in Service:	744	
Maximum Daily Value:	951 mb	on May 9	Hours of Data:	744	
Minimum Hourly Value:	926 mb	on May 6 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	928 mb	on May 6	Hours of Calibration:	0	
Monthly Average:	939 mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	945	945	945	945	945	946	946	946	946	947	947	947	947	947	947	947	947	947	947	947	947	947	948	948	945	948	947
May 2	948	948	949	949	949	949	949	949	949	949	949	948	948	947	947	947	946	946	946	946	946	946	946	946	946	949	948
May 3	946	946	946	946	946	946	946	946	946	946	946	945	945	944	944	943	943	943	942	942	943	943	944	944	942	946	945
May 4	944	944	943	943	943	943	943	943	943	942	942	941	940	939	939	938	937	937	936	936	936	936	935	935	935	944	940
May 5	934	934	934	933	933	933	933	933	932	932	931	931	930	930	929	929	928	928	928	928	928	928	928	928	928	934	931
May 6	927	927	**926**	**926**	**926**	**926**	**926**	**926**	927	927	927	927	927	927	927	928	928	929	929	930	930	931	931	931	**926**	931	**928**
May 7	932	932	932	933	933	934	935	935	936	936	936	937	937	937	937	937	938	939	939	940	941	942	943	944	932	944	937
May 8	944	945	945	946	947	947	948	948	949	949	948	948	948	947	947	947	947	947	948	948	949	949	950	950	944	950	948
May 9	951	951	951	952	952	952	**953**	**953**	**953**	**953**	952	952	952	951	950	950	949	949	949	948	948	948	948	948	948	**953**	**951**
May 10	947	947	946	946	945	944	943	942	941	940	940	939	938	937	936	936	935	935	935	935	935	937	939	940	935	947	940
May 11	940	941	941	942	942	943	943	943	943	943	942	942	941	941	940	939	939	939	938	938	938	938	938	938	938	943	941
May 12	938	937	937	937	937	937	937	937	936	936	936	936	935	935	934	934	933	933	933	933	933	933	934	934	933	938	935
May 13	934	934	934	934	934	934	935	935	935	934	935	935	935	935	935	935	935	936	936	936	937	937	938	938	934	938	935
May 14	938	938	938	938	938	939	939	939	939	939	938	938	939	939	938	938	938	938	938	939	939	940	940	940	938	940	939
May 15	940	940	940	940	940	940	940	939	940	939	939	938	938	937	937	936	936	936	936	936	935	935	935	934	934	940	938
May 16	933	933	932	932	932	931	931	931	931	931	931	931	931	931	931	931	931	932	932	932	932	932	933	933	931	933	932
May 17	933	933	933	933	933	934	934	934	935	935	936	936	937	937	937	937	937	937	938	938	938	938	938	938	933	938	936
May 18	938	938	938	938	938	938	938	938	938	937	937	937	936	936	936	937	937	937	938	938	938	938	939	939	936	939	938
May 19	939	939	939	939	940	940	940	941	941	942	942	943	943	944	944	944	944	945	945	945	945	945	945	945	939	945	942
May 20	945	945	945	945	945	945	945	944	944	944	944	943	943	942	941	941	940	940	939	939	939	939	939	939	939	945	942
May 21	938	938	938	938	937	937	937	937	937	937	937	937	937	937	937	937	937	938	938	938	939	940	940	940	937	940	938
May 22	940	941	941	942	942	942	943	943	944	944	944	944	944	944	944	944	943	944	944	944	944	944	944	944	940	944	943
May 23	944	943	943	943	943	943	943	943	942	942	941	941	940	940	939	939	939	938	938	937	938	938	938	938	937	944	941
May 24	937	937	936	936	935	935	935	935	935	934	934	933	933	932	932	931	931	931	930	930	930	930	931	931	930	937	933
May 25	930	930	930	930	930	930	930	930	930	929	929	929	929	929	928	928	928	928	929	929	930	930	931	931	928	931	929
May 26	931	931	931	931	932	932	932	932	932	933	933	933	933	933	933	933	933	934	934	935	936	936	937	938	931	938	933
May 27	938	939	939	940	940	940	941	941	941	941	941	941	941	941	941	942	942	942	942	941	942	942	942	942	938	942	941
May 28	942	942	942	942	943	943	943	943	942	942	942	941	941	940	939	939	938	937	937	937	937	937	936	936	936	943	940
May 29	935	935	935	935	935	935	935	935	936	936	936	936	936	937	937	938	938	938	939	938	938	938	938	938	935	939	937
May 30	938	938	938	938	939	939	940	940	940	940	940	940	940	939	939	939	939	940	940	940	940	940	940	940	938	940	939
May 31	940	940	940	940	940	939	940	940	940	940	940	940	940	939	939	939	939	938	938	938	938	938	938	938	938	940	939
Diurnal Maximum	951	951	951	952	952	952	953	953	953	953	952	952	952	951	950	950	949	949	949	948	949	949	950	950			
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	939	938	938	938	938	938	938	938	939	939	939			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

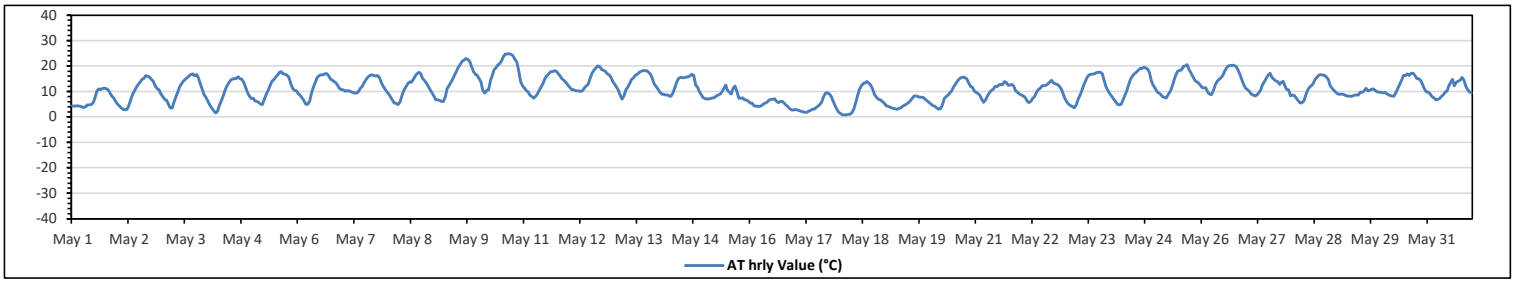
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	24.9	°C	on May 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	18.2	°C	on May 10	Hours of Data:	744	
Minimum Hourly Value:	0.8	°C	on May 18 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	4.4	°C	on May 17	Hours of Calibration:	0	
Monthly Average:	11.1	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	4.4	4.2	4.4	4.4	4.2	4	3.8	3.9	4.7	4.7	4.9	5.4	7.5	10.3	11	10.8	11.1	11.3	11.1	10.6	9.4	8.1	7.4	6.3	3.8	11.3	7.0
May 2	5.2	4.3	3.7	3	2.8	3	4.6	6.9	9.1	10.5	11.8	12.8	13.7	14.7	15.2	16.1	16	15.7	14.8	14	12.3	11.2	10.6	9	2.8	16.1	10.0
May 3	8	6.8	6.5	5.2	3.7	3.5	5.9	8	9.9	11.7	13.1	14	14.7	15.5	16.1	16.7	17	16.2	16.7	15.5	13.1	10.9	8.8	7.7	3.5	17.0	11.1
May 4	6.2	4.6	3.5	2.5	1.6	2.2	4.4	6.1	8	10.5	12.1	13.2	14.3	14.9	15	15.1	15.8	15	14.8	13.5	11.6	9.5	8.1	7.3	1.6	15.8	9.6
May 5	7.4	6.3	6.1	5.7	5.1	4.9	6.9	8.9	10.5	12.2	14	14.6	15.7	16.6	17.5	17.8	17	16.8	16.4	15.6	13.1	11.1	10.4	10.3	4.9	17.8	11.7
May 6	9.2	8.5	7.5	6.4	5	5	6.3	9.2	11.5	13.4	15.4	16.1	16.5	16.5	17	17.1	16.1	14.9	14.5	13.9	13.4	12.3	11.2	10.8	5.0	17.1	12.0
May 7	10.6	10.1	10.3	10.3	9.9	9.6	9.4	9.4	10.2	11.4	12.1	13.5	14.6	15.7	16.3	16.5	16.3	16	16.3	15.7	13.8	12.1	11	9.9	9.4	16.5	12.5
May 8	9	7.8	6.5	5.5	5.3	4.9	5.9	8.3	10.4	11.7	13.1	13.8	13.6	14.7	16.1	17	17.5	17	15.3	14.5	13.4	12.1	10.8	9.5	4.9	17.5	11.4
May 9	8.2	6.7	6.7	6.5	6.2	6.1	8	11	12.3	13.5	14.9	16.3	17.8	19.4	20.6	21.8	22.4	22.9	22.6	21.8	19.8	17.8	16.7	16.4	6.1	22.9	14.9
May 10	15.2	13.8	10.4	9.3	10.5	10.6	14.5	16.4	18.6	19.3	20.4	21	22.3	23.9	24.7	24.8	**24.9**	24.6	24	22.7	21.5	18.3	13.9	12.3	9.3	**24.9**	**18.2**
May 11	11.3	10.4	9.7	8.7	7.9	7.4	7.9	8.9	10.4	11.8	13.2	15.1	16.2	17	17.8	17.8	18.2	17.9	16.9	16.2	15.1	14.4	13.6	12.7	7.4	18.2	13.2
May 12	11.8	10.7	10.7	10.5	10.3	10.3	10	10.4	11.5	12.3	12.8	15.1	17.2	18.4	19.2	20	19.9	18.7	18.4	18	16.9	16.5	15.4	13.9	10.0	20.0	14.5
May 13	12.9	11.7	10.6	8.6	7	8.3	10.6	11.8	13.2	14.8	15.5	16.4	16.8	17.5	18	18.2	18.2	18.2	17.5	16.8	15.3	13.2	12	11	7.0	18.2	13.9
May 14	9.8	9.1	8.9	8.6	8.7	8.2	8.1	9.4	11.5	13.8	15.2	15.6	15.4	15.4	15.7	15.8	16.2	16.8	16.3	12.6	11.7	9.9	8.9	7.6	7.6	16.8	12.1
May 15	7.3	7	7.1	7.2	7.5	7.6	8.3	8.7	9.1	10	11.4	12.5	10.3	9.8	9.1	11.2	12.1	10	7.4	7.4	7.5	6.7	6.6	6.2	6.2	12.5	8.7
May 16	5.5	5.3	4.5	4.2	4.2	4.1	4.5	5.1	5.5	5.9	6.6	6.9	7	7.1	6.1	5.6	6.1	6.2	5.4	4.7	4.1	3.2	2.7	2.7	2.7	7.1	5.1
May 17	2.9	2.7	2.5	2.3	2	1.8	1.8	2.2	2.6	3	3.1	3.6	4.2	4.9	5.9	7.9	9.3	9.5	9	8	6.1	4.4	3.1	1.9	1.8	9.5	**4.4**
May 18	1.3	0.9	**0.8**	**0.8**	1	1.1	1.6	3	5.4	8.4	10.9	12.3	13.2	13.4	13.9	13.3	12.5	11	8.8	7.8	7	6.7	6.2	5.4	**0.8**	13.9	6.9
May 19	4.5	4.2	4	3.6	3.3	3.2	3	3.3	3.7	4.2	4.6	5.2	5.6	6.4	7.4	8.2	8.3	8	7.8	7.8	7.7	6.9	6.4	5.7	3.0	8.3	5.5
May 20	5.1	4.5	4.2	3.7	3.1	3.2	4.8	7.2	7.9	8.6	9.3	10.3	11.8	12.9	14	15.1	15.5	15.7	15.5	15.1	13.4	12	11.7	10.2	3.1	15.7	9.8
May 21	9.6	9.2	8.5	7	5.8	6.7	8.3	9.5	10.5	10.9	12	11.9	12.6	12.8	12.6	13.9	13.5	12.4	12.5	12.8	12.1	10.3	9.6	9	5.8	13.9	10.6
May 22	8.6	8.3	7.6	6.3	5.6	6.3	7.3	7.9	9.6	10.8	11.3	12.2	12.2	12.4	13	13.7	14.4	13.4	13.1	12.8	12.1	11.1	9.6	7.5	5.6	14.4	10.3
May 23	6.2	5.1	4.5	4.1	3.6	4.6	6.8	8.5	10.5	12.3	14	15.7	16.6	16.8	16.8	17.1	17.4	17.6	17.6	16.9	14.2	11.7	10.3	9.1	3.6	17.6	11.6
May 24	7.9	6.9	6.1	5	4.7	5	6.5	8.4	10.1	12.7	14.7	16	16.9	17.6	18.3	19	19.1	19.6	19.2	18.9	17.6	14.2	12.4	11.3	4.7	19.6	12.8
May 25	9.9	9.4	8.8	8	7.7	7.5	8.9	10	11.9	14.4	16.3	18	18.3	18.5	19.9	20.1	20.6	18.6	17.3	15.9	14.5	13.8	13.4	12.5	7.5	20.6	13.9
May 26	11.6	11.4	11.5	9.8	9.1	8.8	10.5	12.7	14	14.8	15.4	16.4	18.2	19.5	20	20.2	20.3	20.2	19.9	18.5	16.7	14.9	13	11.4	8.8	20.3	15.0
May 27	10.7	10.2	9	8.6	8.3	8.6	9.3	10.4	12.5	13.8	15.2	16.4	17.2	15.6	14.7	14.2	13.9	12.8	13.5	14	12	10.8	10.6	8.3	8.3	17.2	12.1
May 28	8.6	8.4	7.4	6.4	5.5	5.6	6.4	8.8	10.6	11.8	12.2	13.2	14.8	15.7	16.4	16.7	16.4	16.4	15.7	14.8	12.2	11.3	10.4	9.6	5.5	16.7	11.5
May 29	9.1	8.9	9.1	8.9	8.5	8.3	8.1	8.1	8.2	8.6	8.7	8.7	9.8	9.6	10.3	11.3	10.3	10.4	10.9	11	10.4	9.9	9.7	9.6	8.1	11.3	9.4
May 30	9.5	9.6	9.2	8.7	8.4	8.1	8.3	9.7	11.4	12.8	14.5	16.3	16.2	16.9	16.3	17.2	17.2	16.3	15.1	15	14.3	12.7	11.2	9.9	8.1	17.2	12.7
May 31	9.8	9.2	8	7.5	6.7	6.8	7.1	7.9	8.6	9.7	10.1	12.2	13.7	14.7	12.3	13.6	14.1	14.4	15.6	14.5	12	10.6	9.7	9.5	6.7	15.6	10.8
Diurnal Maximum	15.2	13.8	11.5	10.5	10.5	10.6	14.5	16.4	18.6	19.3	20.4	21.0	22.3	23.9	24.7	24.8	24.9	24.6	24.0	22.7	21.5	18.3	16.7	16.4			
Diurnal Average	8.3	7.6	7.0	6.4	5.9	6.0	7.0	8.4	9.8	11.1	12.2	13.2	14.0	14.7	15.1	15.6	15.7	15.3	14.8	14.1	12.7	11.2	10.2	9.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

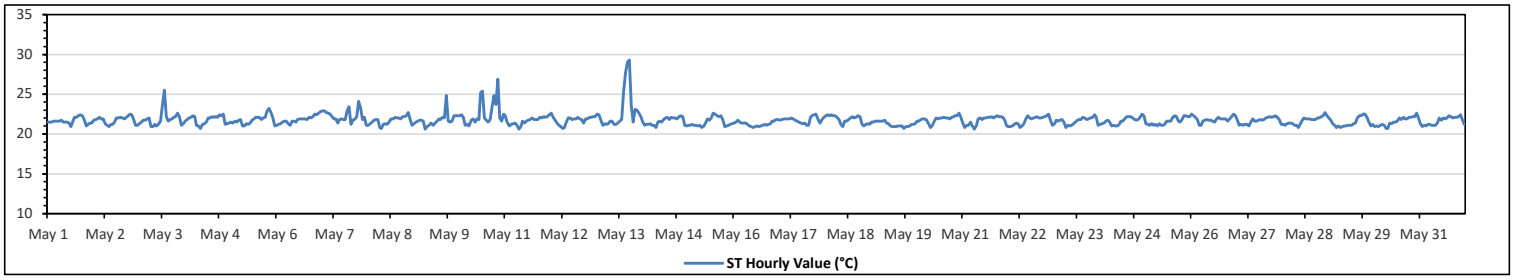
Maximum Hourly Value:	29.3	°C	on May 13 at hr 17	Hours in Service:	744	
Maximum Daily Value:	22.9	°C	on May 13	Hours of Data:	744	
Minimum Hourly Value:	20.6	°C	on May 9 at hr 6	Hours of Missing Data:	0	
Minimum Daily Value:	21.2	°C	on May 19	Hours of Calibration:	0	
Monthly Average:	21.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.7	21.5	21.5	21.5	21.4	20.9	21.5	22.1	22.1	22.3	22.4	22.3	21.7	21.0	21.2	21.4	21.4	20.9	22.4	21.6
May 2	21.7	21.8	21.9	22.1	21.9	21.9	21.3	21.1	20.9	21.2	21.2	21.5	22.0	22.0	22.1	22.0	21.9	22.1	22.3	22.5	22.4	21.8	21.1	21.1	20.9	22.5	21.7
May 3	21.3	21.5	21.7	21.7	21.9	22.0	20.9	20.9	21.2	21.0	21.2	21.6	23.7	25.5	22.2	21.6	21.8	21.9	22.1	22.2	22.6	22.2	21.1	21.3	20.9	25.5	21.9
May 4	21.6	21.8	22.0	22.1	22.3	22.2	21.1	21.0	20.7	21.2	21.3	21.5	22.0	22.0	22.2	22.1	22.2	22.1	22.4	22.3	22.5	21.2	21.3	21.4	20.7	22.5	21.8
May 5	21.5	21.4	21.6	21.5	21.7	21.8	21.0	21.0	21.3	21.2	21.4	21.7	21.9	22.1	22.1	22.1	21.8	22.0	22.1	22.9	23.2	22.7	22.0	21.0	21.0	23.2	21.8
May 6	21.1	21.2	21.3	21.5	21.6	21.6	21.3	21.1	21.6	21.6	21.5	21.8	21.9	21.9	21.9	21.9	21.8	22.1	22.0	22.2	22.5	22.4	22.6	22.8	21.1	22.8	21.8
May 7	22.9	22.9	22.7	22.6	22.5	22.2	21.9	21.9	21.4	21.8	21.9	21.8	21.8	22.9	23.4	21.2	21.7	21.9	22.2	24.1	23.3	21.8	22.1	21.1	21.1	24.1	22.3
May 8	21.1	21.3	21.5	21.7	21.8	21.8	20.8	20.7	21.2	21.3	21.2	21.5	21.9	21.9	22.1	22.0	22.0	21.9	22.2	22.2	22.3	22.7	21.8	21.1	20.7	22.7	21.7
May 9	21.3	21.5	21.6	21.7	21.7	21.6	**20.6**	20.9	21.1	21.4	21.1	21.4	21.6	21.9	21.8	22.1	22.0	24.8	21.6	21.5	21.6	22.3	22.3	22.3	**20.6**	24.8	21.7
May 10	22.3	22.4	22.1	21.1	21.2	21.0	21.7	21.9	21.5	21.9	21.8	25.2	25.4	22.0	21.7	21.5	21.8	23.4	24.8	23.7	26.9	22.0	21.6	22.5	21.0	26.9	22.6
May 11	22.3	21.5	21.0	21.2	21.3	21.4	21.1	**20.6**	20.9	21.6	21.4	21.6	21.7	21.8	22.0	21.8	21.8	21.8	22.1	22.0	22.2	22.1	22.2	22.4	**20.6**	22.4	21.7
May 12	22.6	22.1	21.7	21.4	21.1	20.9	20.7	20.8	21.5	22.0	22.0	21.8	21.9	21.9	22.1	21.9	21.8	21.4	21.9	21.9	22.1	22.1	22.2	22.2	20.7	22.6	21.8
May 13	22.5	22.4	21.7	21.1	21.3	21.2	21.3	21.6	21.6	21.2	21.2	21.4	21.6	21.8	25.3	27.7	29.0	**29.3**	23.6	21.5	23.1	23.0	22.6	22.2	21.1	**29.3**	**22.9**
May 14	21.5	21.1	21.2	21.2	21.3	21.1	21.1	20.8	21.5	21.6	21.5	21.8	22.0	22.1	21.8	22.1	22.0	22.0	21.9	22.2	22.3	22.2	21.1	21.0	20.8	22.3	21.6
May 15	21.1	21.1	21.2	21.1	21.1	21.0	21.1	20.8	21.0	21.4	21.9	21.7	22.0	22.6	22.5	22.3	22.2	22.3	21.8	20.9	21.0	21.1	21.2	21.3	20.8	22.6	21.5
May 16	21.4	21.5	21.7	21.5	21.4	21.4	21.4	21.2	21.0	20.9	20.8	20.9	21.0	20.9	21.0	21.1	21.2	21.1	21.2	21.3	21.6	21.6	21.8	21.8	20.8	21.8	21.3
May 17	21.7	21.8	21.9	21.9	21.9	21.9	22.0	21.9	21.7	21.6	21.5	21.4	21.3	21.4	21.1	21.1	22.1	22.3	22.4	22.5	21.9	21.4	21.8	22.1	21.1	22.5	21.8
May 18	22.3	22.4	22.3	22.4	22.3	22.3	22.1	21.8	21.2	20.9	21.6	21.6	21.8	22.0	22.2	22.0	22.1	22.3	22.2	21.2	21.0	21.2	21.3	21.2	20.9	22.4	21.8
May 19	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.7	21.4	21.3	21.0	20.9	20.9	20.9	21.0	21.0	21.0	20.7	20.9	20.9	21.0	21.2	21.2	21.3	20.7	21.7	**21.2**
May 20	21.6	21.6	21.8	21.9	21.9	21.7	21.3	20.8	21.1	21.6	22.0	21.9	22.0	22.0	22.1	22.0	22.0	21.9	22.1	22.2	22.3	22.3	22.6	22.1	20.8	22.6	21.9
May 21	21.4	20.8	21.1	21.1	21.5	21.0	**20.6**	21.0	21.9	22.0	21.8	22.0	22.0	22.1	22.1	22.2	22.0	22.2	22.3	22.2	22.2	22.1	21.7	21.0	**20.6**	22.3	21.7
May 22	20.9	20.9	21.0	21.2	21.4	21.3	20.8	21.0	21.3	21.9	22.3	22.0	21.9	22.0	22.1	22.2	22.0	22.0	22.1	22.2	22.3	22.5	21.7	21.1	20.8	22.5	21.7
May 23	21.3	21.7	21.6	21.7	21.8	21.5	20.8	21.1	21.0	21.1	21.3	21.5	21.7	21.8	21.8	22.1	22.0	21.8	21.9	22.0	22.1	22.4	22.1	21.1	20.8	22.4	21.6
May 24	21.2	21.3	21.4	21.6	21.7	21.5	21.0	21.1	21.0	21.0	21.2	21.6	21.6	21.9	22.2	22.2	22.2	22.0	21.8	21.7	21.8	22.1	22.5	22.3	21.0	22.5	21.7
May 25	21.3	21.2	21.1	21.3	21.1	21.2	21.0	21.3	21.1	21.1	21.2	21.6	21.6	21.6	22.1	22.3	22.2	21.6	21.5	21.8	22.3	22.3	22.2	22.2	21.0	22.3	21.6
May 26	22.5	22.3	22.1	21.8	21.1	21.1	21.6	21.7	21.8	21.7	21.7	21.6	21.5	21.9	22.1	21.9	21.9	21.9	21.9	21.6	21.9	22.2	22.5	22.3	21.1	22.5	21.9
May 27	21.7	21.1	21.2	21.1	21.2	21.2	21.0	21.5	21.9	21.6	21.6	21.7	21.8	21.7	21.8	22.0	22.1	22.2	22.1	22.2	22.3	22.1	21.8	21.2	21.0	22.3	21.7
May 28	21.2	21.1	21.3	21.4	21.4	21.3	21.1	21.1	20.8	21.3	21.7	22.0	21.9	21.9	21.9	21.8	21.8	21.8	22.0	22.0	22.2	22.3	22.7	22.3	20.8	22.7	21.7
May 29	22.0	21.7	21.3	21.1	20.8	21.0	20.8	20.9	21.0	21.0	21.1	21.1	21.1	21.3	21.4	22.0	22.3	22.3	22.5	22.5	22.1	21.5	21.0	21.2	20.8	22.5	21.5
May 30	20.9	21.0	20.9	21.1	21.2	21.1	20.7	20.7	21.4	21.3	21.5	21.5	21.6	22.0	21.8	22.1	21.9	21.9	22.1	22.1	22.2	22.2	22.6	22.0	20.7	22.6	21.6
May 31	21.3	20.9	21.1	21.0	21.2	21.2	21.1	21.1	21.1	21.4	22.0	21.7	22.0	21.9	22.0	22.3	22.2	22.0	22.1	22.1	22.2	22.4	21.8	21.2	20.9	22.4	21.6
Diurnal Maximum	22.9	22.9	22.7	22.6	22.5	22.3	22.1	21.9	21.9	22.0	22.3	25.2	25.4	25.5	25.3	27.7	29.0	29.3	24.8	24.1	26.9	23.0	22.7	22.8			
Diurnal Average	21.6	21.6	21.6	21.5	21.5	21.5	21.2	21.2	21.3	21.4	21.5	21.7	21.9	22.0	22.1	22.1	22.2	22.3	22.1	22.1	22.3	22.0	21.9	21.7			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

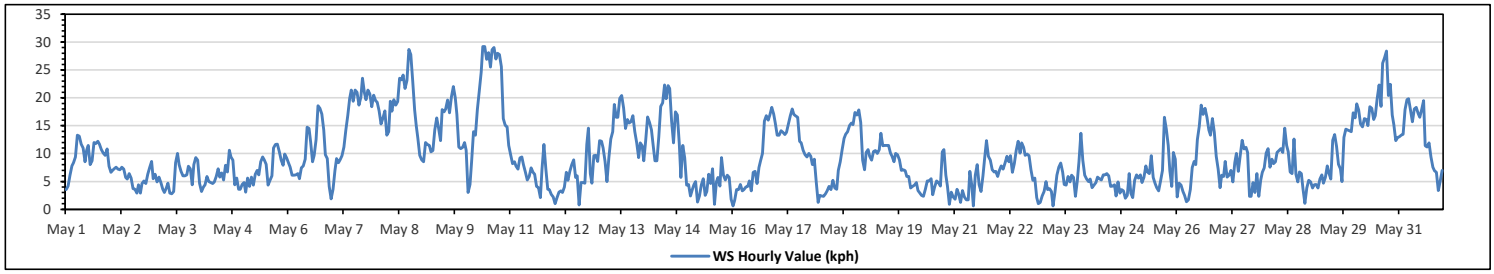
VECTOR WIND SPEED (VWS) in km/hr

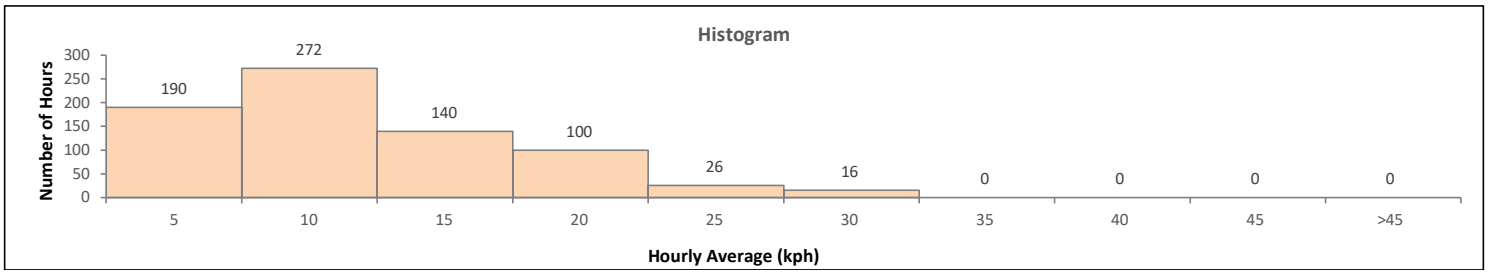
Maximum Hourly Value:	29.2	kph	on May 10 at hr 9	Hours in Service:	744	
Maximum Daily Value:	20.0	kph	on May 10	Hours of Data:	744	
Minimum Hourly Value:	0.6	kph	on May 16 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	4.4	kph	on May 20	Hours of Calibration:	0	
Monthly Average:	9.6	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
May 1	3.5	4.2	6.1	7.8	8.4	9.4	13.3	13.1	11.7	11.0	8.5	10.6	11.5	8.0	8.7	12.0	11.8	12.2	11.7	10.7	10.1	9.7	10.8	7.7	3.5	13.3	9.7
May 2	6.6	7.0	7.3	7.6	7.2	7.1	7.6	7.2	5.7	5.4	6.4	5.6	3.7	3.6	2.9	4.4	2.9	4.6	5.1	4.6	6.3	7.5	8.6	5.5	2.9	8.6	5.9
May 3	6.3	4.9	5.8	4.8	3.6	3.0	3.8	4.7	2.9	2.8	3.2	8.4	10.0	8.0	6.8	6.0	6.0	6.2	7.7	7.3	4.4	8.0	9.3	8.8	2.8	10.0	5.9
May 4	4.6	3.2	4.0	4.4	5.9	5.0	4.8	4.6	4.9	5.9	7.3	5.8	6.5	5.3	7.9	6.7	10.6	9.4	8.8	4.4	5.6	3.6	3.6	4.5	3.2	10.6	5.7
May 5	4.8	3.1	5.6	4.1	5.8	4.3	6.3	7.0	6.2	8.5	9.4	8.9	8.1	4.3	5.2	6.0	11.0	11.6	11.7	10.4	8.8	7.9	9.9	9.2	3.1	11.7	7.4
May 6	8.3	7.6	6.1	6.1	6.2	6.4	5.5	7.4	7.8	9.0	14.7	14.5	12.1	8.5	9.7	12.5	18.6	18.1	17.1	14.2	9.8	9.1	4.1	1.9	1.9	18.6	9.8
May 7	3.6	7.0	9.1	8.4	8.9	9.6	11.2	14.2	16.8	19.9	21.4	19.4	21.4	21.0	18.7	20.1	23.5	20.9	19.7	21.4	20.7	18.4	20.5	19.5	3.6	23.5	16.5
May 8	19.2	17.7	15.3	16.4	17.7	13.3	13.9	19.4	17.6	19.7	18.7	19.3	23.5	23.2	24.1	21.7	23.1	28.7	27.8	23.0	17.8	15.0	12.8	9.7	9.7	28.7	19.1
May 9	8.9	8.5	12.0	11.6	11.5	10.3	10.5	14.3	16.4	14.5	12.3	17.9	17.5	18.0	19.6	17.3	20.2	22.0	20.0	17.0	11.2	10.9	11.1	12.0	8.5	22.0	14.4
May 10	10.6	3.0	4.5	8.5	13.9	13.3	17.9	21.2	24.6	**29.2**	**29.2**	26.9	28.1	25.5	28.6	29.0	27.0	28.0	27.8	25.6	16.3	15.1	14.8	11.5	3.0	**29.2**	**20.0**
May 11	9.8	8.2	8.5	7.7	7.2	9.2	9.4	8.0	6.7	5.3	5.9	7.4	6.6	6.3	4.1	3.9	2.1	7.2	11.6	7.3	3.6	3.5	2.7	2.2	2.1	11.6	6.4
May 12	1.0	2.1	3.1	3.3	3.0	4.0	6.6	5.2	6.8	8.0	8.9	5.7	6.0	0.8	4.8	4.8	4.7	11.6	14.6	6.4	4.7	9.6	9.7	8.6	0.8	14.6	6.0
May 13	12.3	12.2	11.0	8.6	5.0	9.3	12.6	13.9	18.8	16.5	16.5	19.9	20.4	18.2	14.5	16.1	15.5	15.7	16.8	13.9	11.9	9.3	11.9	11.4	5.0	20.4	13.8
May 14	8.7	12.3	16.6	15.6	14.3	11.2	8.7	8.7	13.0	18.5	19.1	22.3	19.8	22.2	21.7	15.8	11.9	17.5	16.9	11.8	5.7	11.5	9.2	4.3	4.3	22.3	14.1
May 15	4.5	2.4	3.6	4.5	5.0	1.3	2.4	4.4	5.5	2.5	3.2	6.3	4.6	7.3	0.9	4.9	5.7	4.2	9.3	6.1	5.3	6.1	5.7	1.8	0.9	9.3	4.5
May 16	**0.6**	1.6	3.5	3.5	4.5	3.3	3.5	4.0	4.1	5.1	3.3	6.6	6.8	4.6	7.5	8.7	10.0	15.8	16.8	16.0	16.9	18.3	17.1	15.5	**0.6**	18.3	8.2
May 17	13.3	13.3	14.1	13.8	13.4	13.8	15.3	16.8	18.0	17.0	16.7	16.5	12.2	11.9	10.6	9.8	9.4	10.0	9.5	8.0	9.0	4.9	1.2	2.5	1.2	18.0	11.7
May 18	2.4	2.3	2.8	3.3	4.1	3.5	5.2	3.8	3.6	7.0	8.5	10.7	12.7	13.5	13.9	15.0	15.5	15.2	17.4	16.9	17.8	15.6	8.8	7.1	2.3	17.8	9.4
May 19	10.2	10.7	9.5	8.8	10.4	10.5	10.0	10.7	13.6	11.4	11.5	11.5	11.5	10.1	9.5	8.5	10.0	9.8	8.9	7.0	7.1	6.9	5.9	5.9	5.9	13.6	9.6
May 20	3.8	4.1	4.3	4.8	3.4	2.9	2.5	2.3	3.6	5.1	5.1	5.5	2.6	4.0	5.1	4.8	4.2	10.3	10.7	6.1	4.2	0.9	3.1	2.2	0.9	10.7	**4.4**
May 21	1.8	3.6	2.8	1.2	3.4	2.2	1.7	1.7	6.8	4.3	**0.6**	6.1	8.0	4.4	3.2	6.0	9.0	12.3	9.5	8.8	7.1	6.7	6.8	5.9	**0.6**	12.3	5.2
May 22	6.9	7.8	7.2	8.3	9.5	8.5	9.6	6.6	8.2	10.6	12.2	10.1	11.9	11.1	9.7	9.9	9.6	7.1	5.2	5.6	2.1	1.0	1.2	2.4	1.0	12.2	7.6
May 23	3.2	5.0	3.5	3.7	3.2	**0.6**	3.1	6.1	7.6	8.3	6.7	4.5	4.3	5.9	4.9	6.1	5.7	2.3	5.2	8.5	13.6	8.8	6.1	5.4	**0.6**	13.6	5.5
May 24	5.0	5.4	3.9	4.3	4.8	5.8	5.5	5.3	6.2	6.2	6.4	6.0	4.1	4.2	4.4	2.4	4.9	2.9	3.5	3.3	2.0	2.5	6.4	2.9	2.0	6.4	4.5
May 25	2.1	5.2	6.2	5.6	6.2	4.8	5.7	7.8	6.7	6.4	9.6	5.7	4.6	3.9	3.3	5.1	7.0	16.5	14.4	11.5	6.9	4.1	10.2	9.0	2.1	16.5	7.0
May 26	2.2	4.7	4.3	3.2	2.5	1.4	1.7	3.5	7.5	8.6	8.0	12.5	14.9	18.7	17.0	18.1	16.5	14.2	13.3	16.3	13.8	9.5	7.2	3.9	1.4	18.7	9.3
May 27	6.1	5.9	8.6	5.8	6.1	7.0	4.9	8.4	10.0	6.8	9.7	12.4	10.8	11.1	10.2	2.3	2.3	4.8	3.0	6.4	2.3	5.3	6.6	7.4	2.3	12.4	6.8
May 28	10.1	10.9	7.6	9.0	8.2	8.5	10.2	10.5	10.9	10.2	14.6	11.5	10.3	6.7	6.4	12.6	6.3	4.9	6.7	6.4	3.7	1.1	3.8	5.2	1.1	14.6	8.2
May 29	4.9	3.8	4.4	4.5	3.8	5.4	6.2	4.7	5.7	7.8	6.5	5.4	12.4	13.4	11.3	8.1	7.3	5.0	12.9	14.4	14.2	14.1	13.9	17.3	3.8	17.3	8.6
May 30	16.4	18.9	17.8	15.3	14.8	16.3	16.1	15.0	18.4	18.1	16.1	16.8	19.9	22.3	18.5	26.2	27.2	28.4	20.4	22.4	16.9	15.2	12.3	12.9	12.3	28.4	18.4
May 31	13.0	13.3	13.5	17.9	19.7	19.8	17.8	15.7	18.0	18.3	17.2	16.5	17.9	19.5	11.4	11.2	11.9	9.4	7.6	6.9	6.6	3.4	5.1	7.0	3.4	19.8	13.3
Diurnal Maximum	19.2	18.9	17.8	17.9	19.7	19.8	17.9	21.2	24.6	29.2	29.2	26.9	28.1	25.5	28.6	29.0	27.2	28.7	27.8	25.6	20.7	18.4	20.5	19.5			
Diurnal Average	6.9	7.1	7.5	7.5	7.8	7.5	8.2	8.9	10.1	10.6	10.9	11.5	11.8	11.1	10.5	10.8	11.3	12.5	12.6	11.2	9.2	8.5	8.4	7.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



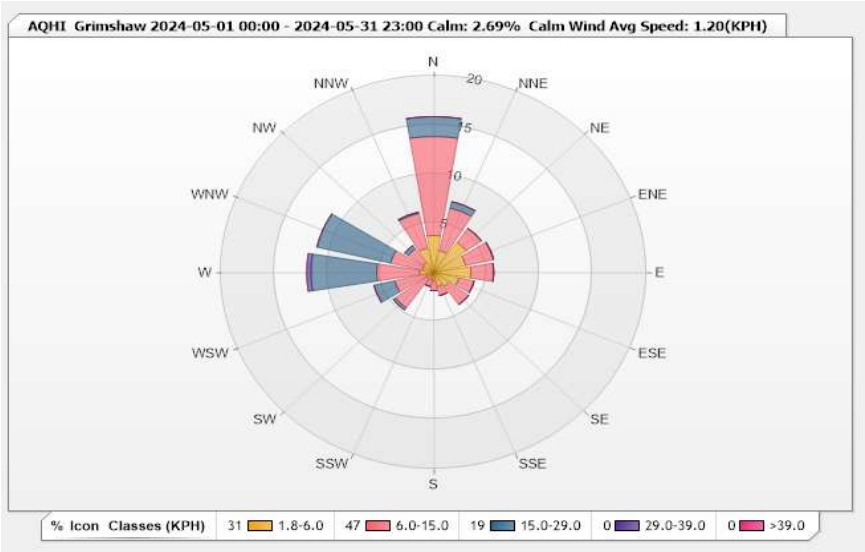


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 05-2024

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 2.69% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	3.76	10.08	2.02	0	0	15.86
NNE	2.28	4.44	0.67	0	0	7.39
NE	3.76	1.75	0	0	0	5.51
ENE	3.09	2.69	0	0	0	5.78
E	3.49	2.15	0	0	0	5.64
ESE	2.42	1.48	0	0	0	3.9
SE	1.75	2.28	0	0	0	4.03
SSE	1.48	0.94	0	0	0	2.42
S	0.81	1.08	0	0	0	1.89
SSW	0.27	1.21	0	0	0	1.48
SW	0.81	3.63	0.27	0	0	4.71
WSW	0.67	3.09	2.02	0	0	5.78
W	1.34	4.03	6.18	0.4	0	11.95
WNW	1.08	3.09	7.12	0	0	11.29
NW	1.21	1.75	0.4	0	0	3.36
NNW	2.55	3.63	0.13	0	0	6.31
Summary	30.77	47.32	18.81	0.4	0	97.3



Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

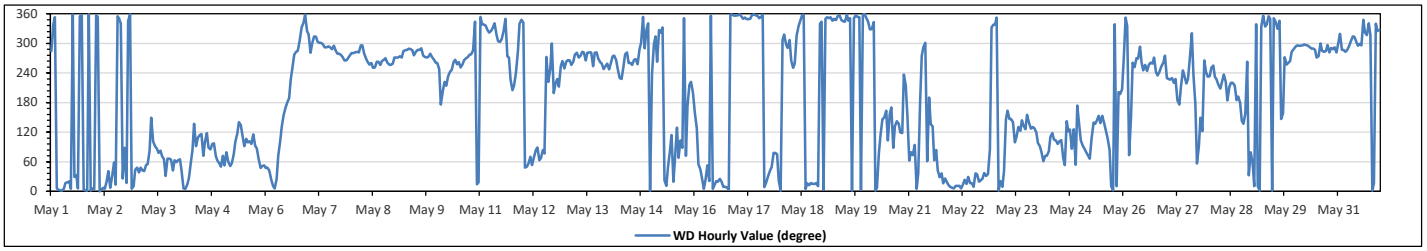
WIND DIRECTION (VWD) in sector

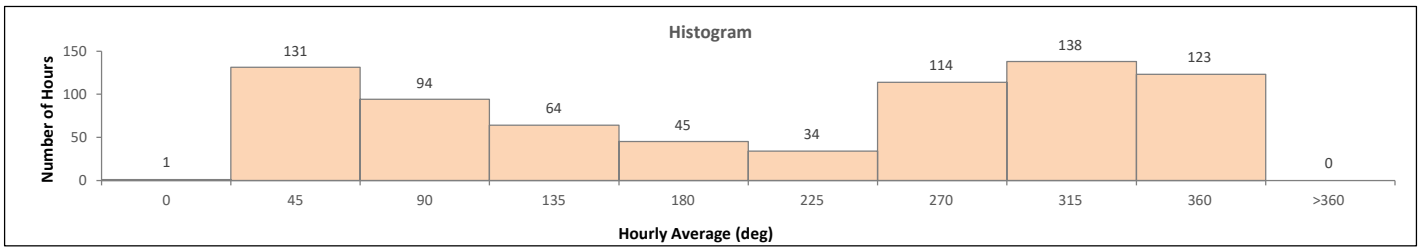
Monthly Average:	336 (NNW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
May 1	WNW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	N	N	NNE	NNE	N	N	N	N	N	N	N	N	N	3	N
May 2	N	N	N	N	N	N	N	NNE	NE	N	NNE	ENE	NNE	N	N	NNW	NNE	E	NNE	NNW	N	N	N	NE	12	NNE
May 3	NE	NE	NE	NE	NE	NE	NE	E	SSE	E	E	E	ENE	E	ENE	ENE	NNE	ENE	ENE	ENE	NE	ENE	ENE	ENE	65	ENE
May 4	ENE	NE	N	N	NNE	NNE	ENE	E	SE	E	ESE	ESE	ESE	ENE	E	ESE	E	E	E	E	ENE	ENE	NE	NE	74	ENE
May 5	ENE	NE	ENE	ENE	NE	ENE	ENE	E	ESE	SE	SE	ESE	E	ESE	E	E	E	ESE	E	E	ENE	NE	NE	NE	85	E
May 6	NE	NE	NE	NNE	N	N	NNE	ENE	E	SE	SSE	SSE	S	S	SW	WSW	W	W	WNW	NW	NNW	NNW	N	NW	355	N
May 7	NW	W	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	290	WNW
May 8	W	W	W	W	W	WNW	WNW	W	W	W	WSW	WSW	WSW	WSW	W	W	WSW	W	W	W	W	WSW	WSW	WSW	269	W
May 9	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	278	W
May 10	WSW	WSW	S	SSW	SW	SSW	SW	WSW	WSW	W	W	WSW	W	WSW	WSW	W	W	W	W	W	WNW	NNW	NNE	NNE	260	WSW
May 11	N	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NW	WNW	WNW	NW	NW	N	W	W	SW	SSW	SSW	WSW	WNW	NNW	NNW	310	NW
May 12	NNW	NE	NE	NE	ENE	NE	ENE	E	E	ENE	ENE	E	ENE	W	SW	WSW	WNW	SSW	SW	SW	SSW	WSW	W	WSW	66	ENE
May 13	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	WSW	W	W	W	W	WSW	WSW	WSW	WSW	269	W
May 14	WSW	WSW	W	W	W	WSW	SW	SW	WSW	W	W	WSW	WSW	WSW	W	W	WSW	WNW	WNW	N	WNW	NNW	NNW	N	276	W
May 15	WSW	WNW	NW	W	NW	NW	NNW	NNE	NNE	NE	E	ESE	NNE	ENE	SE	ENE	ESE	E	N	ENE	S	SW	SW	SSW	30	NNE
May 16	SSE	SE	NE	NE	NNE	N	NNE	NE	NNE	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	N	N	20	NNE
May 17	N	N	N	N	N	NNW	NNW	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NE	ENE	ENE	ENE	NNE	11	NNE
May 18	N	NW	NW	WNW	WNW	NW	W	WSW	WSW	NW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	338	NNW
May 19	N	N	N	N	N	NNW	N	NNW	N	N	NNW	NNW	NNW	N	NNW	N	N	N	N	N	N	N	N	N	353	N
May 20	N	NNW	NNW	NNW	NNW	N	N	ENE	ESE	SE	SSE	SSE	ESE	SSE	SSE	E	SE	SE	SE	ESE	ESE	SW	SSW	SSE	118	ESE
May 21	ENE	ENE	ENE	E	N	NE	S	W	WNW	WNW	ENE	S	SE	SE	ENE	E	NE	NNE	NE	NNE	NNE	NNE	NNE	N	46	NE
May 22	N	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	N	NE	NE	NNE	NNE	NNE	NE	NNE	NE	E	NNW	NNW	18	NNE
May 23	NNW	N	N	NNE	N	NE	SE	SSE	SE	SE	SE	E	ESE	SE	ESE	SE	SE	SE	SSE	SE	SE	SE	SE	ESE	116	ESE
May 24	E	E	E	ENE	ENE	ENE	E	ESE	ESE	ESE	ESE	E	E	ESE	ENE	NE	SE	ESE	SE	E	SE	NE	S	SE	98	E
May 25	ESE	E	E	ENE	ENE	ENE	ESE	SE	SE	SE	SSE	SE	SSE	SE	ESE	ESE	E	N	N	NNW	N	SSW	SSW	SSW	111	ESE
May 26	W	N	NNW	ENE	SSE	W	WSW	W	W	WNW	W	WSW	WSW	WSW	WSW	W	WSW	W	WSW	SW	WSW	WSW	W	W	262	W
May 27	SW	SW	SW	SW	SW	SW	S	S	SSW	WSW	SW	SW	SW	W	NW	SW	S	NE	E	SSE	ESE	W	WSW	SW	219	SW
May 28	SW	WSW	WSW	SW	SW	SW	SSW	SW	SW	SW	S	SSW	SW	SW	SSW	S	S	S	SE	SE	SSE	W	NNE	ENE	208	SSW
May 29	ENE	N	NNW	N	N	NNW	N	NNW	NNW	N	N	N	N	NNW	NNW	NNW	SE	SSE	W	WSW	WSW	W	W	WNW	333	NNW
May 30	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	WNW	W	WNW	WNW	WNW	W	290	WNW
May 31	WNW	NW	WNW	WNW	W	WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	NNW	NW	NW	NNW	NW	N	NNE	NNW	NW	NW	314	NW

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

AQHI - Grimshaw Station - May 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	29.2	kph	on May 10 at hr 9	Hours in Service:	744
Maximum Daily Value:	20.0	kph	on May 10	Hours of Data:	744
Minimum Hourly Value:	0.6	kph	on May 16 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	4.4	kph	on May 20	Hours of Calibration:	0
Monthly Average:	9.6	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 336 degree (NNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
May 1	3.5	4.2	6.1	7.8	8.4	9.4	13.3	13.1	11.7	11.0	8.5	10.6	11.5	8.0	8.7	12.0	11.8	12.2	11.7	10.7	10.1	9.7	10.8	7.7	3.5	13.3	9.7
	WNW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	N	N	NNE	NNE	N	N	N	N	N	N	N	N	N			3(N)
May 2	6.6	7.0	7.3	7.6	7.2	7.1	7.6	7.2	5.7	5.4	6.4	5.6	3.7	3.6	2.9	4.4	2.9	4.6	5.1	4.6	6.3	7.5	8.6	5.5	2.9	8.6	5.9
	N	N	N	N	N	N	N	NNE	NE	N	NNE	ENE	NNE	N	N	NNW	NNE	E	NNE	NNW	N	N	N	NE			12(NNE)
May 3	6.3	4.9	5.8	4.8	3.6	3.0	3.8	4.7	2.9	2.8	3.2	8.4	10.0	8.0	6.8	6.0	6.0	6.2	7.7	7.3	4.4	8.0	9.3	8.8	2.8	10.0	5.9
	NE	NE	NE	NE	NE	NE	NE	E	SSE	E	E	E	ENE	E	ENE	ENE	NNE	ENE	ENE	ENE	NE	ENE	ENE	ENE			65(ENE)
May 4	4.6	3.2	4.0	4.4	5.9	5.0	4.8	4.6	4.9	5.9	7.3	5.8	6.5	5.3	7.9	6.7	10.6	9.4	8.8	4.4	5.6	3.6	3.6	4.5	3.2	10.6	5.7
	ENE	NE	N	N	NNE	NNE	ENE	E	SE	E	ESE	ESE	ESE	ENE	E	ESE	E	E	E	E	ENE	ENE	NE	NE			74(ENE)
May 5	4.8	3.1	5.6	4.1	5.8	4.3	6.3	7.0	6.2	8.5	9.4	8.9	8.1	4.3	5.2	6.0	11.0	11.6	11.7	10.4	8.8	7.9	9.9	9.2	3.1	11.7	7.4
	ENE	NE	ENE	ENE	NE	ENE	ENE	E	ESE	SE	SE	ESE	E	ESE	E	E	E	ESE	E	E	ENE	NE	NE	NE			85(E)
May 6	8.3	7.6	6.1	6.1	6.2	6.4	5.5	7.4	7.8	9.0	14.7	14.5	12.1	8.5	9.7	12.5	18.6	18.1	17.1	14.2	9.8	9.1	4.1	1.9	1.9	18.6	9.8
	NE	NE	NE	NNE	N	N	NNE	ENE	E	SE	SSE	SSE	S	S	SW	WSW	W	W	WNW	NW	NNW	NNW	N	NW			355(N)
May 7	3.6	7.0	9.1	8.4	8.9	9.6	11.2	14.2	16.8	19.9	21.4	19.4	21.4	21.0	18.7	20.1	23.5	20.9	19.7	21.4	20.7	18.4	20.5	19.5	3.6	23.5	16.5
	NW	W	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W			290(WNW)
May 8	19.2	17.7	15.3	16.4	17.7	13.3	13.9	19.4	17.6	19.7	18.7	19.3	23.5	23.2	24.1	21.7	23.1	28.7	27.8	23.0	17.8	15.0	12.8	9.7	9.7	28.7	19.1
	W	W	W	W	W	WNW	WNW	W	W	W	WSW	WSW	WSW	WSW	W	W	WSW	W	W	W	W	WSW	WSW	WSW			269(W)
May 9	8.9	8.5	12.0	11.6	11.5	10.3	10.5	14.3	16.4	14.5	12.3	17.9	17.5	18.0	19.6	17.3	20.2	22.0	20.0	17.0	11.2	10.9	11.1	12.0	8.5	22.0	14.4
	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W			278(W)
May 10	10.6	3.0	4.5	8.5	13.9	13.3	17.9	21.2	24.6	**29.2**	**29.2**	26.9	28.1	25.5	28.6	29.0	27.0	28.0	27.8	25.6	16.3	15.1	14.8	11.5	3.0	**29.2**	**20.0**
	WSW	WSW	S	SSW	SW	SSW	SW	WSW	WSW	W	W	WSW	W	WSW	WSW	W	W	W	W	W	WNW	NNW	NNE	NNE			260(WSW)
May 11	9.8	8.2	8.5	7.7	7.2	9.2	9.4	8.0	6.7	5.3	5.9	7.4	6.6	6.3	4.1	3.9	2.1	7.2	11.6	7.3	3.6	3.5	2.7	2.2	2.1	11.6	6.4
	N	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NW	WNW	WNW	NW	NW	N	W	W	SW	SSW	SSW	WSW	WNW	NNW	NNW			310(NW)
May 12	1.0	2.1	3.1	3.3	3.0	4.0	6.6	5.2	6.8	8.0	8.9	5.7	6.0	0.8	4.8	4.8	4.7	11.6	14.6	6.4	4.7	9.6	9.7	8.6	0.8	14.6	6.0
	NNW	NE	NE	NE	ENE	NE	ENE	E	E	ENE	ENE	E	ENE	W	SW	WSW	WNW	SSW	SW	SW	SSW	WSW	W	WSW			66(ENE)
May 13	12.3	12.2	11.0	8.6	5.0	9.3	12.6	13.9	18.8	16.5	16.5	19.9	20.4	18.2	14.5	16.1	15.5	15.7	16.8	13.9	11.9	9.3	11.9	11.4	5.0	20.4	13.8
	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	WSW	W	W	W	W	WSW	WSW	WSW	WSW			269(W)
May 14	8.7	12.3	16.6	15.6	14.3	11.2	8.7	8.7	13.0	18.5	19.1	22.3	19.8	22.2	21.7	15.8	11.9	17.5	16.9	11.8	5.7	11.5	9.2	4.3	4.3	22.3	14.1
	WSW	WSW	W	W	W	WSW	SW	SW	WSW	W	W	WSW	WSW	WSW	W	W	WSW	WNW	WNW	N	WNW	NNW	NNW	N			276(W)
May 15	4.5	2.4	3.6	4.5	5.0	1.3	2.4	4.4	5.5	2.5	3.2	6.3	4.6	7.3	0.9	4.9	5.7	4.2	9.3	6.1	5.3	6.1	5.7	1.8	0.9	9.3	4.5
	WSW	WNW	NW	W	NW	NW	NNW	NNE	NNE	NE	E	ESE	NNE	ENE	SE	ENE	ESE	E	N	ENE	S	SW	SW	SSW			30(NNE)
May 16	**0.6**	1.6	3.5	3.5	4.5	3.3	3.5	4.0	4.1	5.1	3.3	6.6	6.8	4.6	7.5	8.7	10.0	15.8	16.8	16.0	16.9	18.3	17.1	15.5	**0.6**	18.3	8.2
	SSE	SE	NE	NE	NNE	N	NNE	NE	NNE	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	N	N			20(NNE)
May 17	13.3	13.3	14.1	13.8	13.4	13.8	15.3	16.8	18.0	17.0	16.7	16.5	12.2	11.9	10.6	9.8	9.4	10.0	9.5	8.0	9.0	4.9	1.2	2.5	1.2	18.0	11.7
	N	N	N	N	N	NNW	NNW	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NE	ENE	ENE	ENE	NNE			11(NNE)
May 18	2.4	2.3	2.8	3.3	4.1	3.5	5.2	3.8	3.6	7.0	8.5	10.7	12.7	13.5	13.9	15.0	15.5	15.2	17.4	16.9	17.8	15.6	8.8	7.1	2.3	17.8	9.4
	N	NW	NW	WNW	WNW	NW	W	WSW	WSW	NW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW			338(NNW)
May 19	10.2	10.7	9.5	8.8	10.4	10.5	10.0	10.7	13.6	11.4	11.5	11.5	11.5	10.1	9.5	8.5	10.0	9.8	8.9	7.0	7.1	6.9	5.9	5.9	5.9	13.6	9.6
	N	N	N	N	N	NNW	N	NNW	N	N	NNW	NNW	NNW	N	NNW	N	N	N	N	N	N	N	N	N			353(N)
May 20	3.8	4.1	4.3	4.8	3.4	2.9	2.5	2.3	3.6	5.1	5.1	5.5	2.6	4.0	5.1	4.8	4.2	10.3	10.7	6.1	4.2	0.9	3.1	2.2	0.9	10.7	**4.4**
	N	NNW	NNW	NNW	NNW	N	N	ENE	ESE	SE	SSE	SSE	ESE	SSE	SSE	E	SE	SE	SE	ESE	ESE	SW	SSW	SSE			118(ESE)
May 21	1.8	3.6	2.8	1.2	3.4	2.2	1.7	1.7	6.8	4.3	**0.6**	6.1	8.0	4.4	3.2	6.0	9.0	12.3	9.5	8.8	7.1	6.7	6.8	5.9	**0.6**	12.3	5.2
	ENE	ENE	ENE	E	N	NE	S	W	WNW	WNW	ENE	S	SE	SE	ENE	E	NE	NNE	NE	NNE	NNE	NNE	NNE	N			46(NE)
May 22	6.9	7.8	7.2	8.3	9.5	8.5	9.6	6.6	8.2	10.6	12.2	10.1	11.9	11.1	9.7	9.9	9.6	7.1	5.2	5.6	2.1	1.0	1.2	2.4	1.0	12.2	7.6
	N	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	N	NE	NE	NNE	NNE	NNE	NE	NNE	NE	E	NNW	NNW			18(NNE)
May 23	3.2	5.0	3.5	3.7	3.2	**0.6**	3.1	6.1	7.6	8.3	6.7	4.5	4.3	5.9	4.9	6.1	5.7	2.3	5.2	8.5	13.6	8.8	6.1	5.4	**0.6**	13.6	5.5
	NNW	N	N	NNE	N	NE	SE	SSE	SE	SE	SE	E	ESE	SE	ESE	SE	SE	SE	SSE	SE	SE	SE	SE	ESE			116(ESE)
May 24	5.0	5.4	3.9	4.3	4.8	5.8	5.5	5.3	6.2	6.2	6.4	6.0	4.1	4.2	4.4	2.4	4.9	2.9	3.5	3.3	2.0	2.5	6.4	2.9	2.0	6.4	4.5
	E	E	E	ENE	ENE	ENE	E	ESE	ESE	ESE	ESE	E	E	ESE	ENE	NE	SE	ESE	SE	E	SE	NE	S	SE			98(E)
May 25	2.1	5.2	6.2	5.6	6.2	4.8	5.7	7.8	6.7	6.4	9.6	5.7	4.6	3.9	3.3	5.1	7.0	16.5	14.4	11.5	6.9	4.1	10.2	9.0	2.1	16.5	7.0
	ESE	E	E	ENE	ENE	ENE	ESE	SE	SE	SE	SSE	SE	SSE	SE	ESE	ESE	E	N	N	NNW	N	SSW	SSW	SSW			111(ESE)
May 26	2.2	4.7	4.3	3.2	2.5	1.4	1.7	3.5	7.5	8.6	8.0	12.5	14.9	18.7	17.0	18.1	16.5	14.2	13.3	16.3	13.8	9.5	7.2	3.9	1.4	18.7	9.3
	W	N	NNW	ENE	SSE	W	WSW	W	W	WNW	W	WSW	WSW	WSW	WSW	W	WSW	W	WSW	SW	WSW	WSW	W	W			262(W)
May 27	6.1	5.9	8.6	5.8	6.1	7.0	4.9	8.4	10.0	6.8	9.7	12.4	10.8	11.1	10.2	2.3	2.3	4.8	3.0	6.4	2.3	5.3	6.6	7.4	2.3	12.4	6.8
	SW	SW	SW	SW	SW	SW	S	S	SSW	WSW	SW	SW	SW	W	NW	SW	S	NE	E	SSE	ESE	W	WSW	SW			219(SW)
May 28	10.1	10.9	7.6	9.0	8.2	8.5	10.2	10.5	10.9	10.2	14.6	11.5	10.3	6.7	6.4	12.6	6.3	4.9	6.7	6.4	3.7	1.1	3.8	5.2	1.1	14.6	8.2
	SW	WSW	WSW	SW	SW	SW	SSW	SW	SW	SW	S	SSW	SW	SW	SSW	S	S	S	SE	SE	SSE	W	NNE	ENE			208(SSW)
May 29	4.9	3.8	4.4	4.5	3.8	5.4	6.2	4.7	5.7	7.8	6.5	5.4	12.4	13.4	11.3	8.1	7.3	5.0	12.9	14.4	14.2	14.1	13.9	17.3	3.8	17.3	8.6
	ENE	N	NNW	N	N	NNW	N	NNW	NNW	N	N	N	N	NNW	NNW	NNW	SE	SSE	W	WSW	WSW	W	W	WNW			333(NNW)
May 30	16.4	18.9	17.8	15.3	14.8	16.3	16.1	15.0	18.4	18.1	16.1	16.8	19.9	22.3	18.5	26.2	27.2	28.4	20.4	22.4	16.9	15.2	12.3	12.9	12.3	28.4	18.4
	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	W	WNW	WNW	W	WNW	WNW	WNW	W			290(WNW)
May 31	13.0	13.3	13.5	17.9	19.7	19.8	17.8	15.7	18.0	18.3	17.2	16.5	17.9	19.5	11.4	11.2	11.9	9.4	7.6	6.9	6.6	3.4	5.1	7.0	3.4	19.8	13.3
	WNW	NW	WNW	WNW	W	WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	NNW	NW	NW	NNW	NW	N	NNE	NNW	NW	NW			314(NW)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

END OF REPORT

This page, 145 of 145, ends the May 2024 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202405-01561

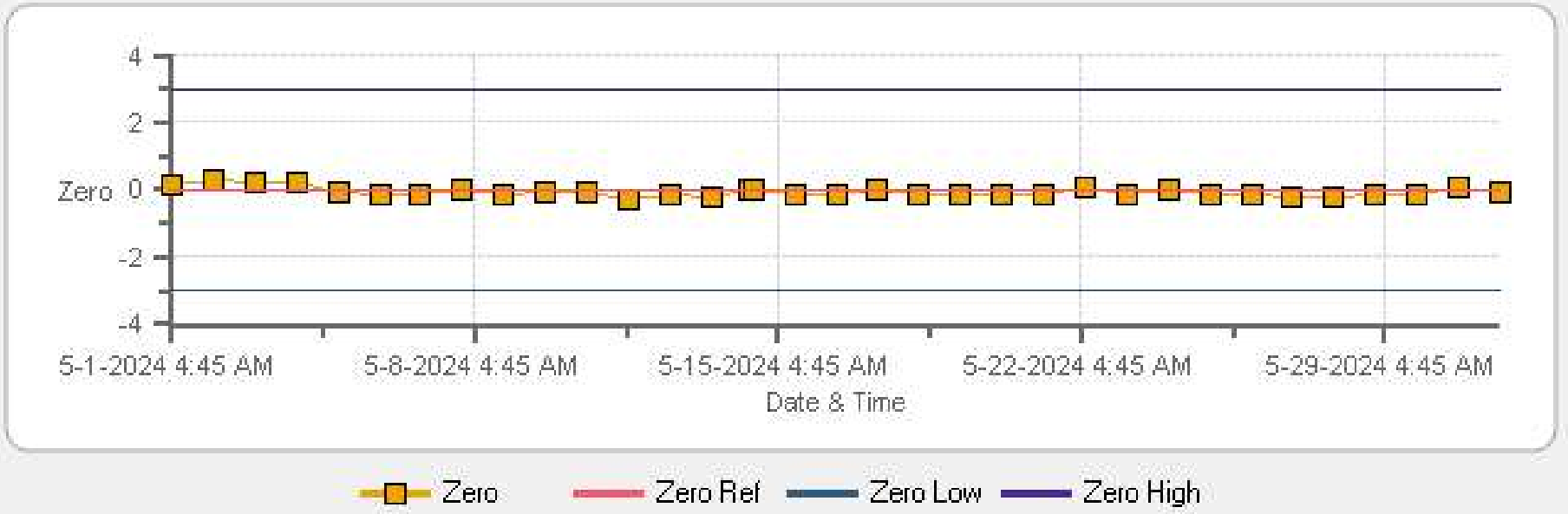
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

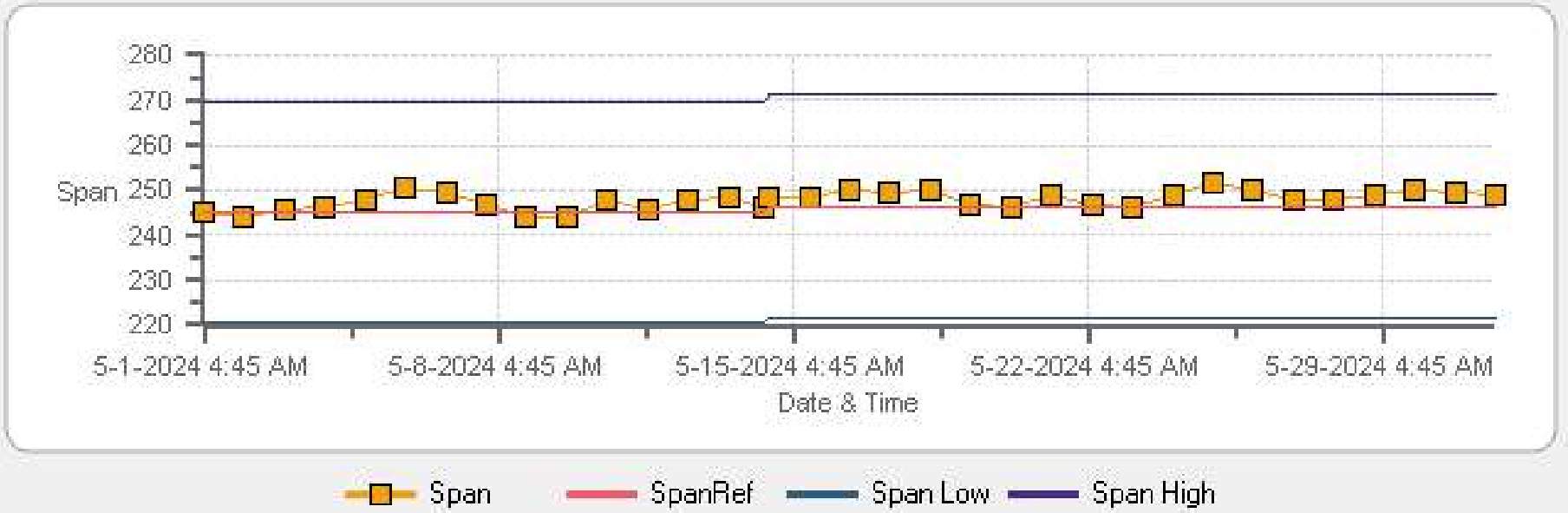
June 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

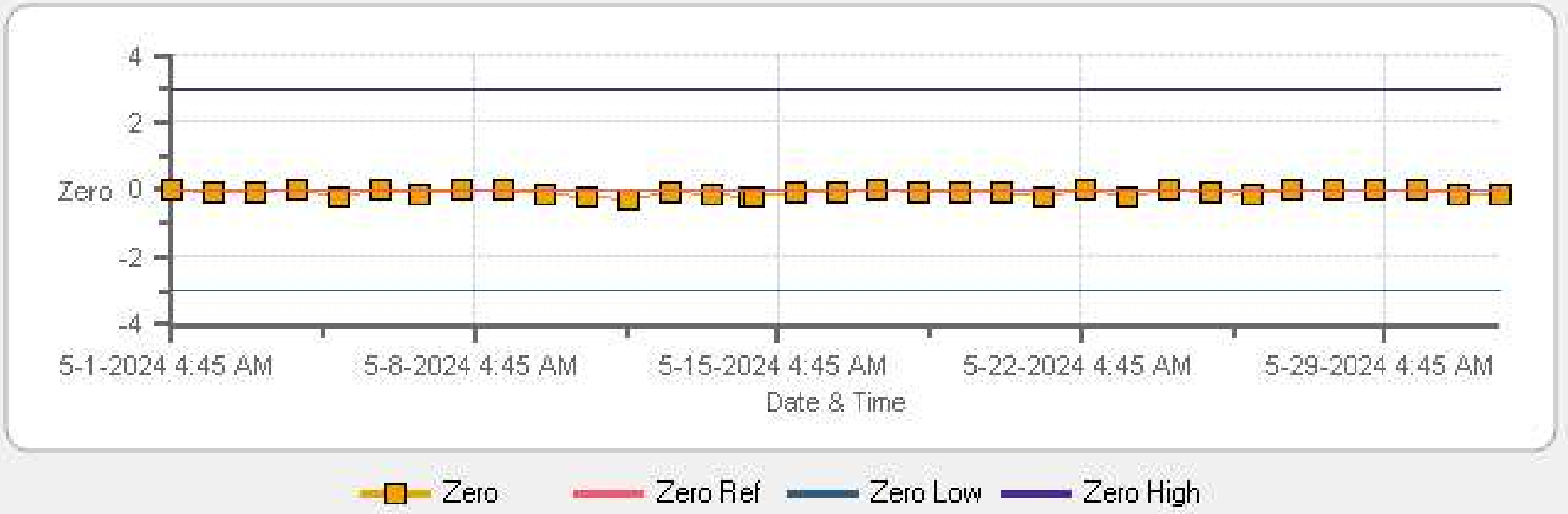
SO2[ppb] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Zero



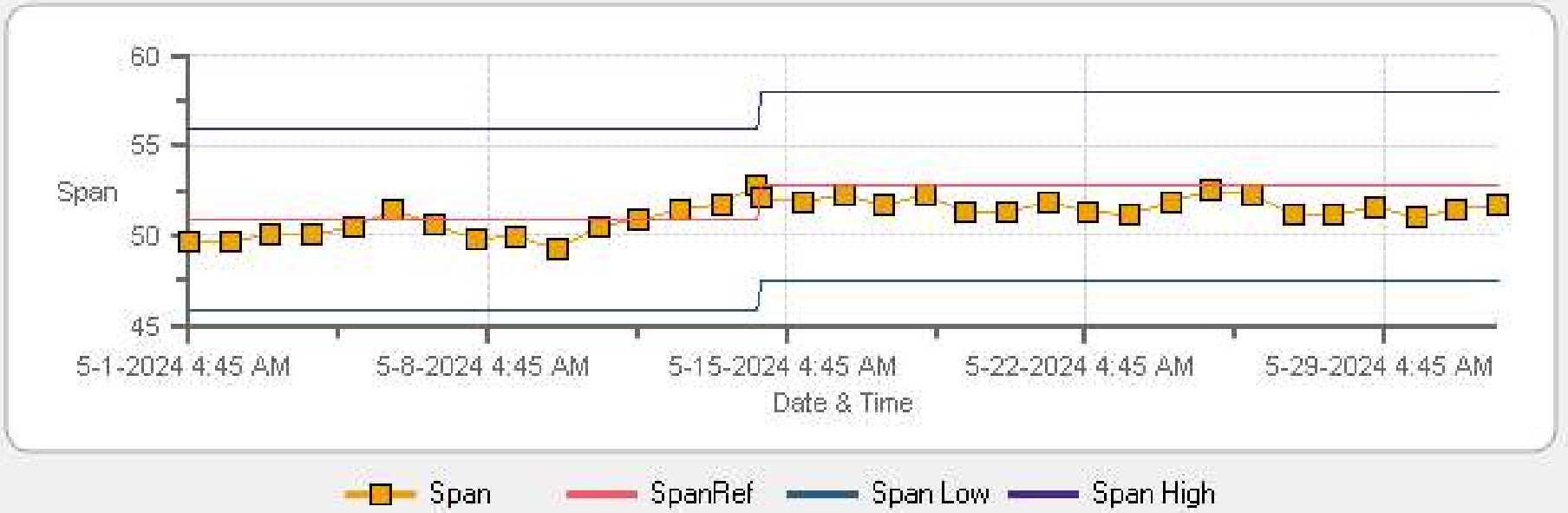
SO2[ppb] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Span

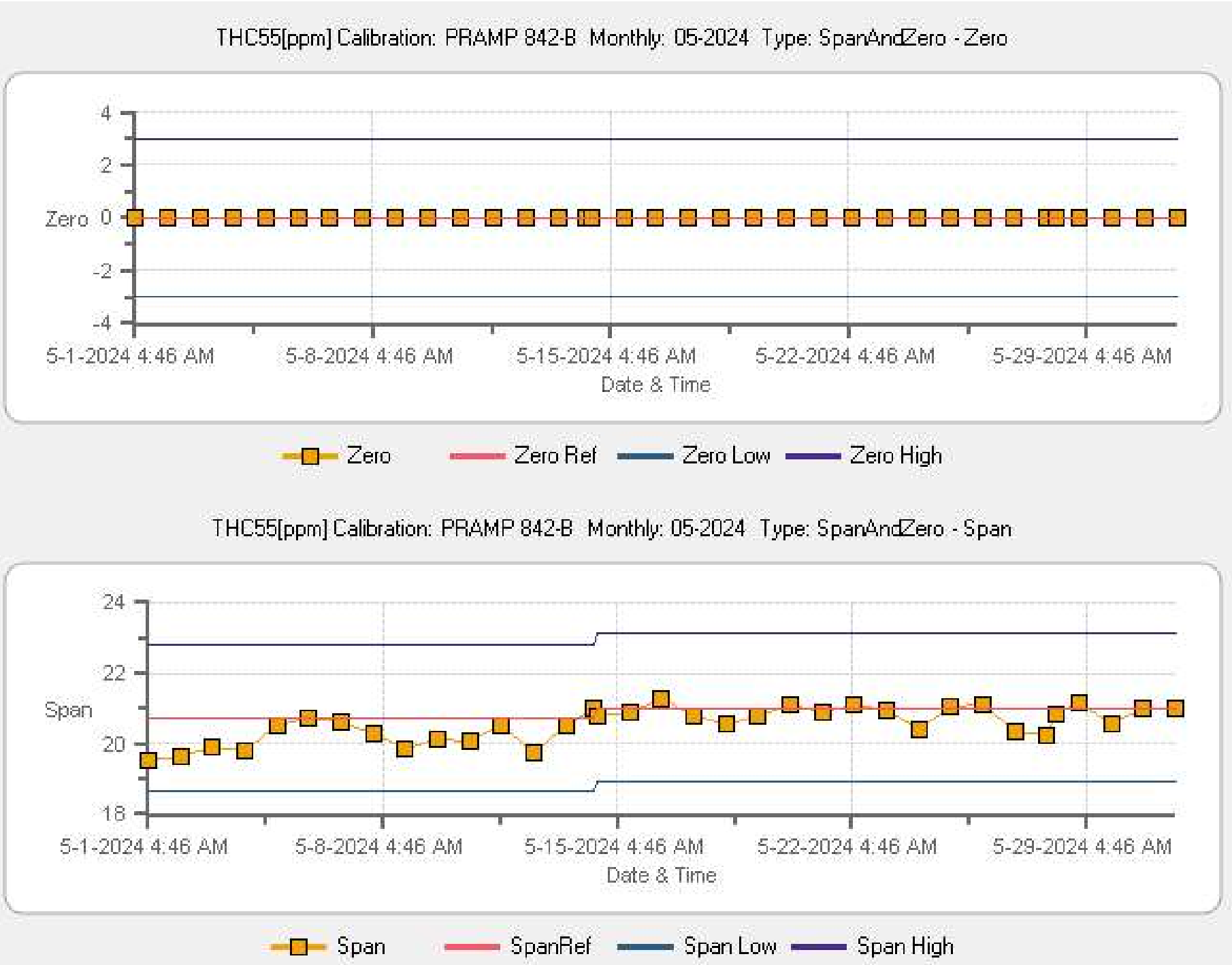


TRS[ppb] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Zero

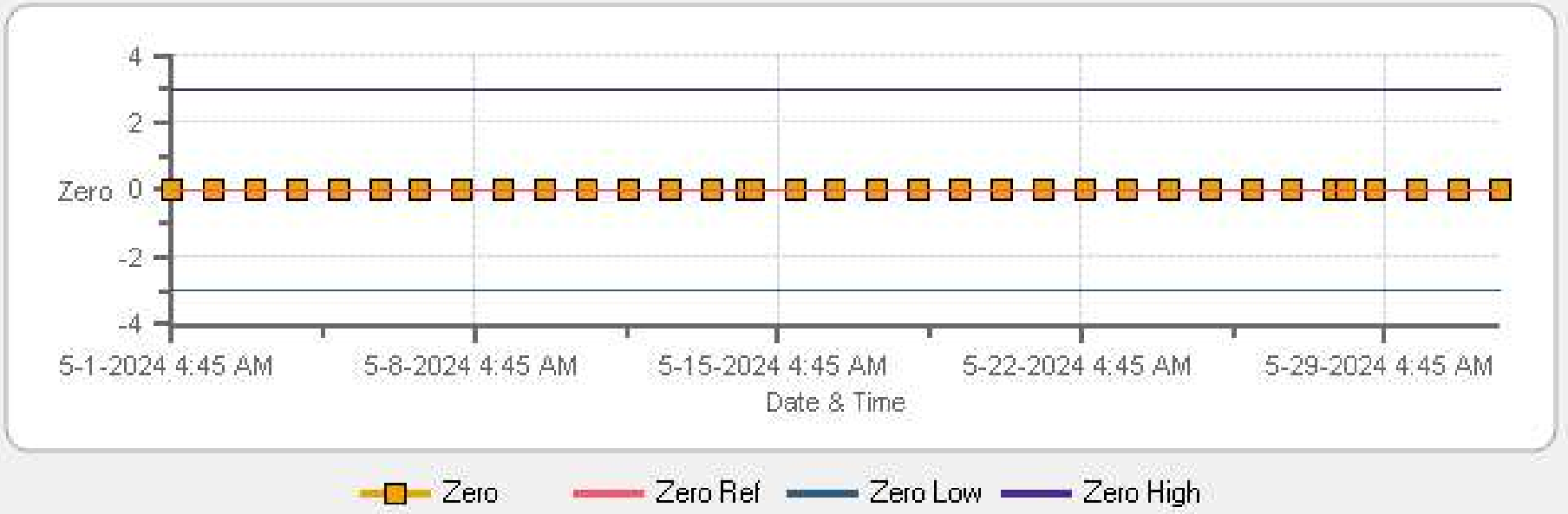


TRS[ppb] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Span

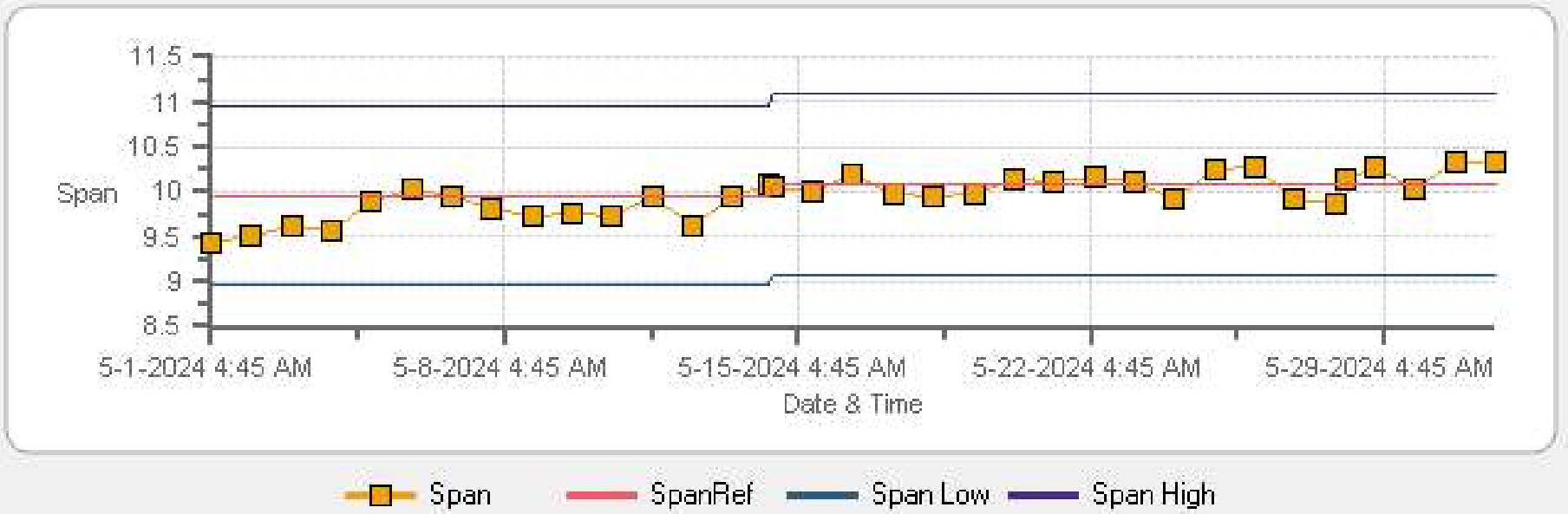



THC55[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
5-1-2024 4:46 AM
5-8-2024 4:46 AM
5-15-2024 4:46 AM
5-22-2024 4:46 AM
5-29-2024 4:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Span
24
22
Span
20
18
5-1-2024 4:46 AM
5-8-2024 4:46 AM
5-15-2024 4:46 AM
5-22-2024 4:46 AM
5-29-2024 4:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

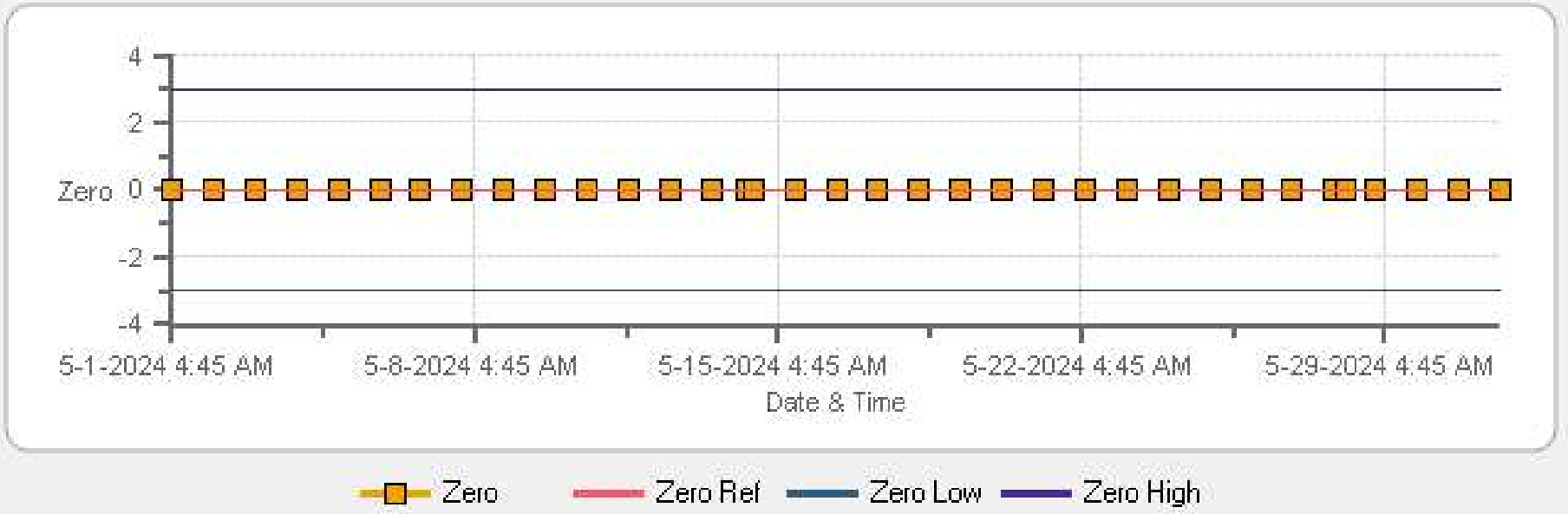
CH4[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Zero



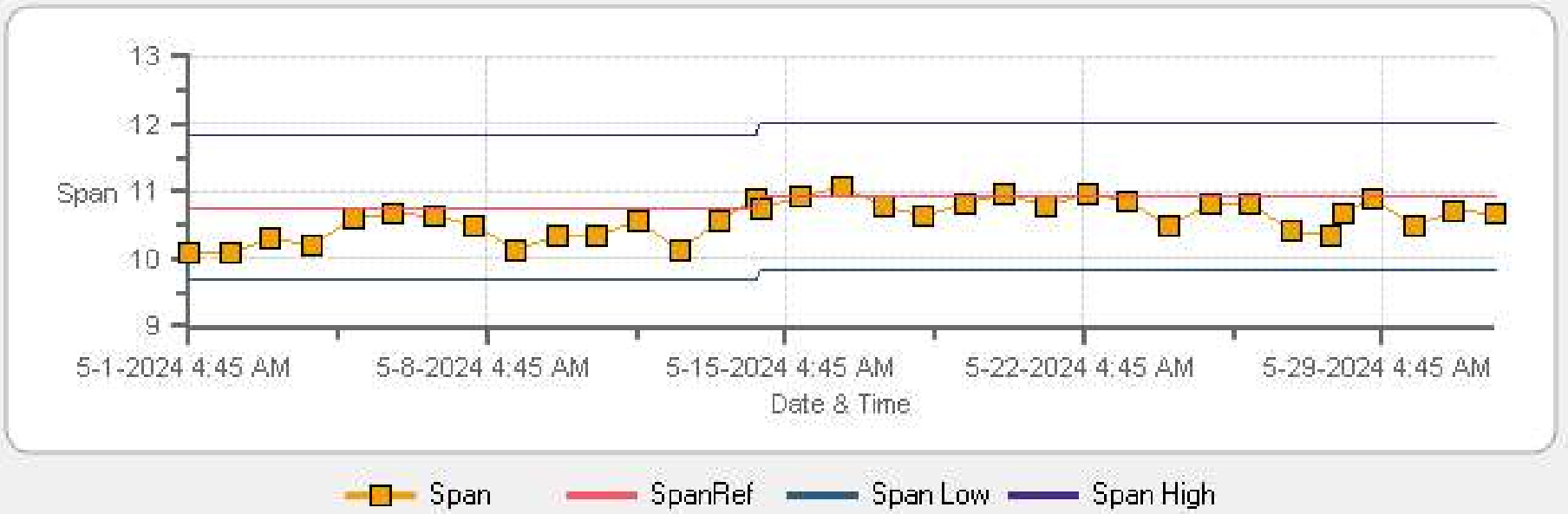
CH4[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 05-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	14-May-2024	PREVIOUS CALIBRATION DATE:	09-Apr-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.004
CLIENT:	PRAMP	TEMPERATURE (°C):	24.3
LOCATION:	842b	BAROMETRIC (mBar):	938
PURPOSE	Routine	START TIME (MST):	08:00
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:02

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	424
INITIAL		FINAL	
BKG/OFFSET	9.3	BKG/OFFSET	9.3
COEF/SLOPE	1.142	COEF/SLOPE	1.147
Expected (reference) Value	245.1	Expected (reference) Value	246.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	900	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	0	0		
3939	60.80	4000	380.00	375.1	380.1	1.013	1.000
3970	28.80	3999	180.05	n/a	181.1	n/a	0.994
3983	14.40	3997	90.07	n/a	90.8	n/a	0.992

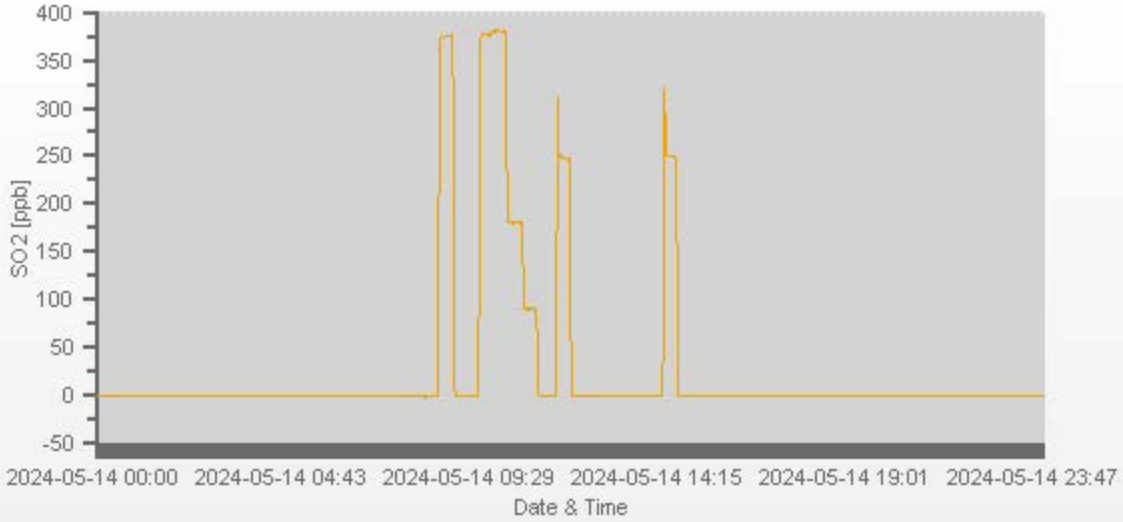
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: PRAMP 842-B Daily: 2024-05-14 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	14-May-2024	PREVIOUS CALIBRATION DATE:	09-Apr-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	24.3
LOCATION:	842b	BAROMETRIC (mBar):	938
PURPOSE	Routine	START TIME (MST):	08:00
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:02

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	375
INITIAL		FINAL	
BKG/OFFSET	15	BKG/OFFSET	15.3
COEF/SLOPE	0.935	COEF/SLOPE	0.956
Expected (reference) Value	50.85	Expected (reference) Value	52.73

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	-0.07	0		
3969	30.90	4000	77.95	75.51	77.89	1.031	1.001
3984	15.10	3999	38.10	n/a	38.21	n/a	0.997
3990	7.50	3997	18.93	n/a	19.14	n/a	0.989

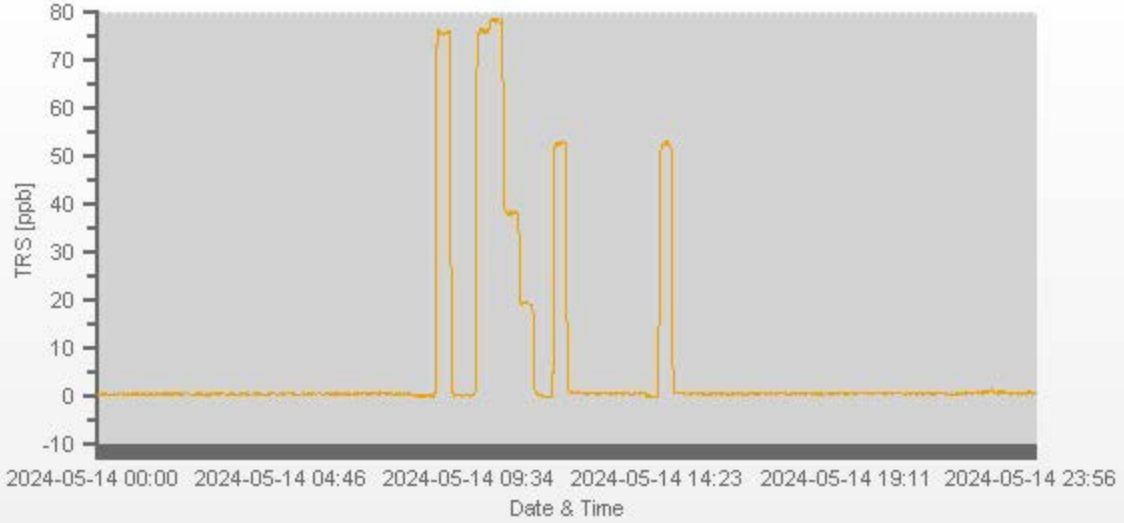
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

TRS Converter CDNOVA CDN #583. Sample filter changed.

TRS[ppb] Station: PRAMP 842-B Daily: 2024-05-14 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	14-May-2024	PREVIOUS CALIBRATION DATE:	09-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	24.3
LOCATION:	842b	BAROMETRIC (mBar):	938
PURPOSE	Routine	START TIME (MST):	08:00
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:46

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1090
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.002	0.998	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	API	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	900		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.95	10.76	20.72		10.09	10.91	21.00

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3095		3095	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.46	12.89	27.35	14.52	13.39	27.92	1.007	1.043	1.024	1.003	1.004	1.003
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.18	6.69	13.86	n/a	n/a	n/a	1.017	1.007	1.013
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.59	3.33	6.92	n/a	n/a	n/a	1.016	1.011	1.014

LINEAR REGRESSION ANALYSIS:

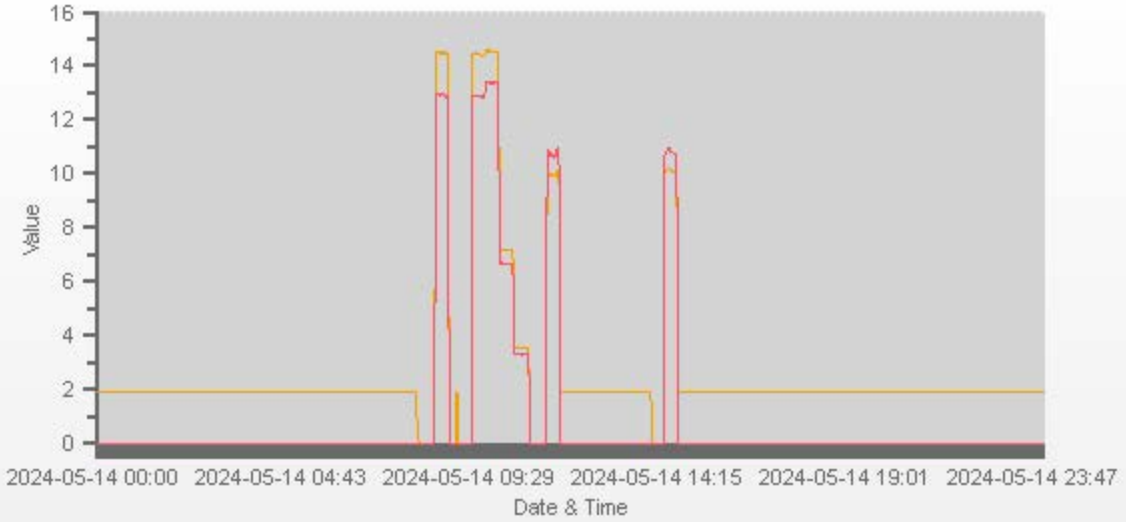
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.997	-0.2%
NMHC	1.000	0.997	-0.1%
THC	1.000	0.997	-0.1%

Comments:

H2 = AMA HG300 #190567058
PRAMP analyzer.

Use Zero Chrom? **No**

Station: PRAMP 842-B Daily: 2024-05-14 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	May 14, 2024
Technician:	Kevin Sebastian
Station:	PRAMP 842b

Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 15878
Temperature Sensor:	Rotronic	HC2A-S3	20370767
Barometric Pressure Sensor:	MetOne	92	Y23362
Relative Humidity Sensor:	Rotronic	HC2A-S3	20370767
Anemometer:	RM Young	05305AQ	174802

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	April 9, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	test time:10:49-10:52
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	Data Logger Response (mm):	Manual Specification = +/- 0.1 mm
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	April 9, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024
Reference Temperature (°C):	16.8
Station - Ambient Temperature (°C):	16.1
Temperature Difference (°C):	0.7

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	April 9, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024	
Reference Pressure - Units/Reading:	millibar	937
Station Pressure - Units/Reading:	millibar	936.6
Pressure Tolerance +/- 15% of error:	796 - 1078	0.04%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	April 9, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	28.00	
Station Hygrometer % RH- Reading:	30.60	
RH Tolerance +/- 15% of difference:	23.80 - 32.20	-9.3%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	January 1, 2017	Previous check date:	January 1, 2017
Wind Speed Observed (kph):	10-~20	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	16.1	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	842b	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	15:57 / 17:00
Calibration Purpose:	routine annual	**Weather Conditions:**	Mix of sun and clouds with rain showers

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174802	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 3, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	23	332	7.0	-2.0	4.5
60	300	59	303	1.0	-3.0	2.0
90	270	88	274	2.0	-4.0	3.0
120	240	118	242	2.0	-2.0	2.0
150	210	149	209	1.0	1.0	1.0
180	180	179	178	1.0	2.0	1.5
210	150	210	146	0.0	4.0	2.0
240	120	243	117	-3.0	3.0	3.0
270	90	274	89	-4.0	1.0	2.5
300	60	304	57	-4.0	3.0	3.5
330	30	334	29	-4.0	1.0	2.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.3**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202405-01562

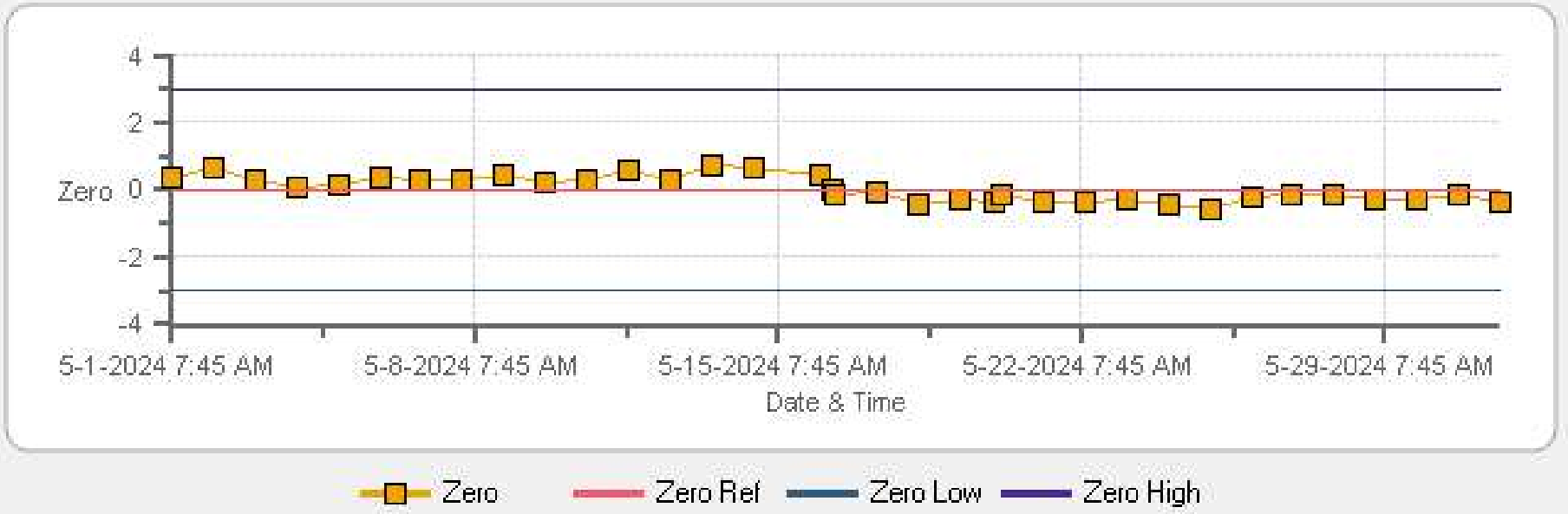
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

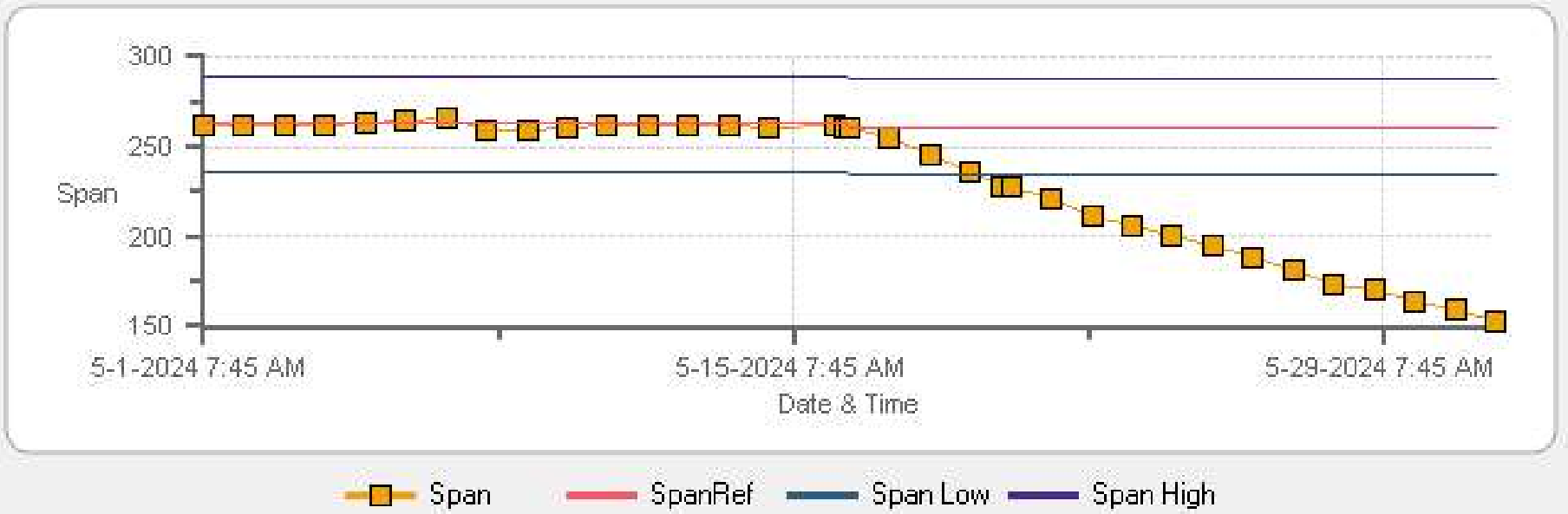
June 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

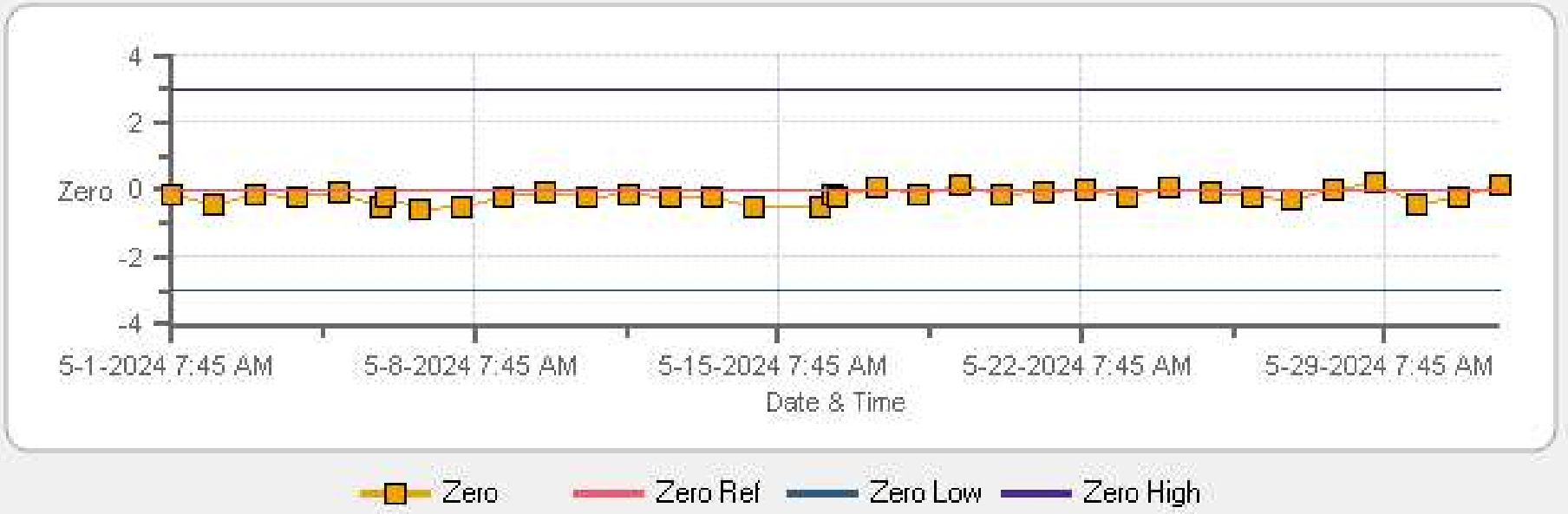
SO2[ppb] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Zero



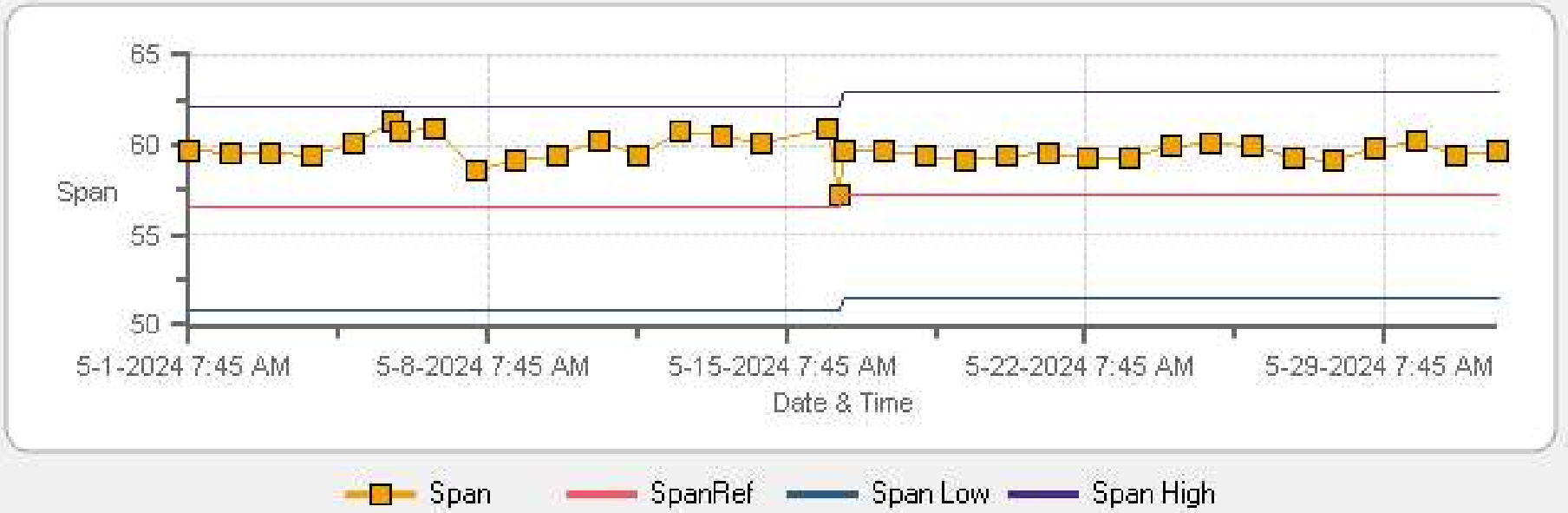
SO2[ppb] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Span



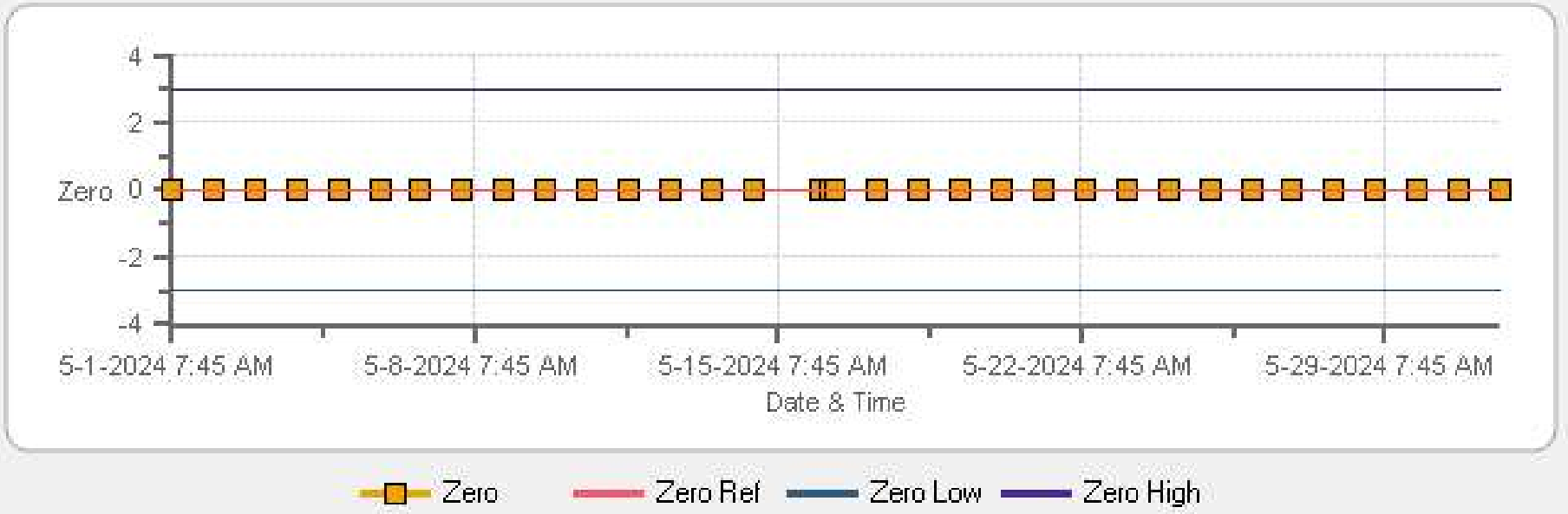
TRS[ppb] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Zero



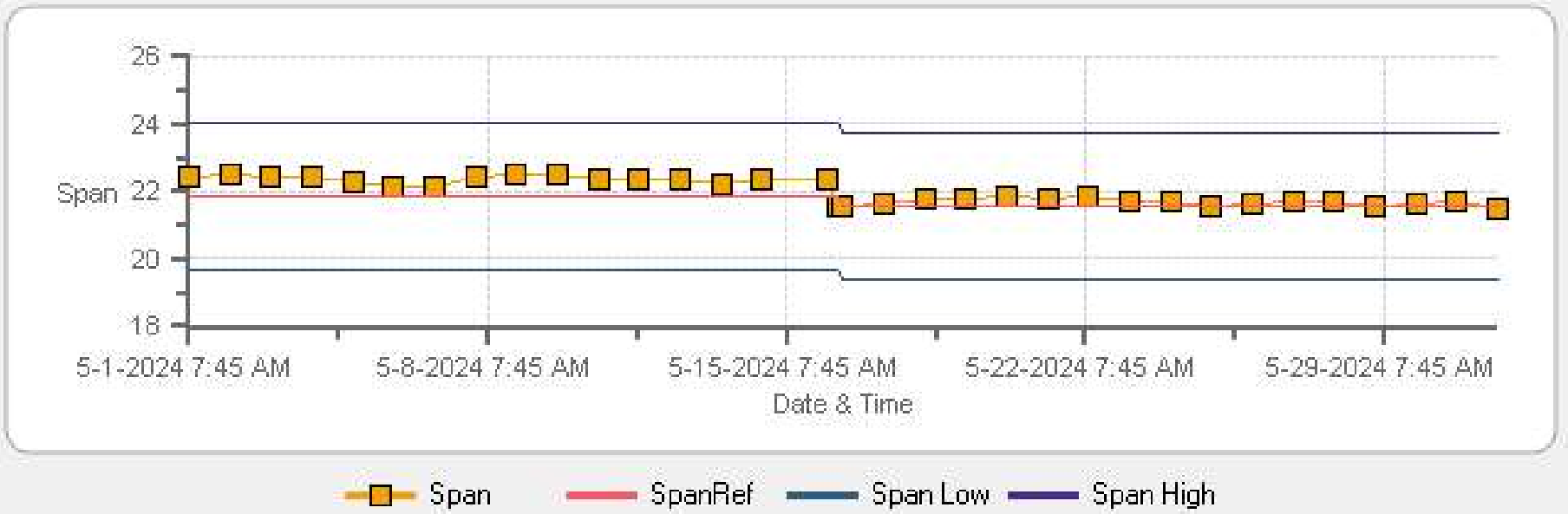
TRS[ppb] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Span



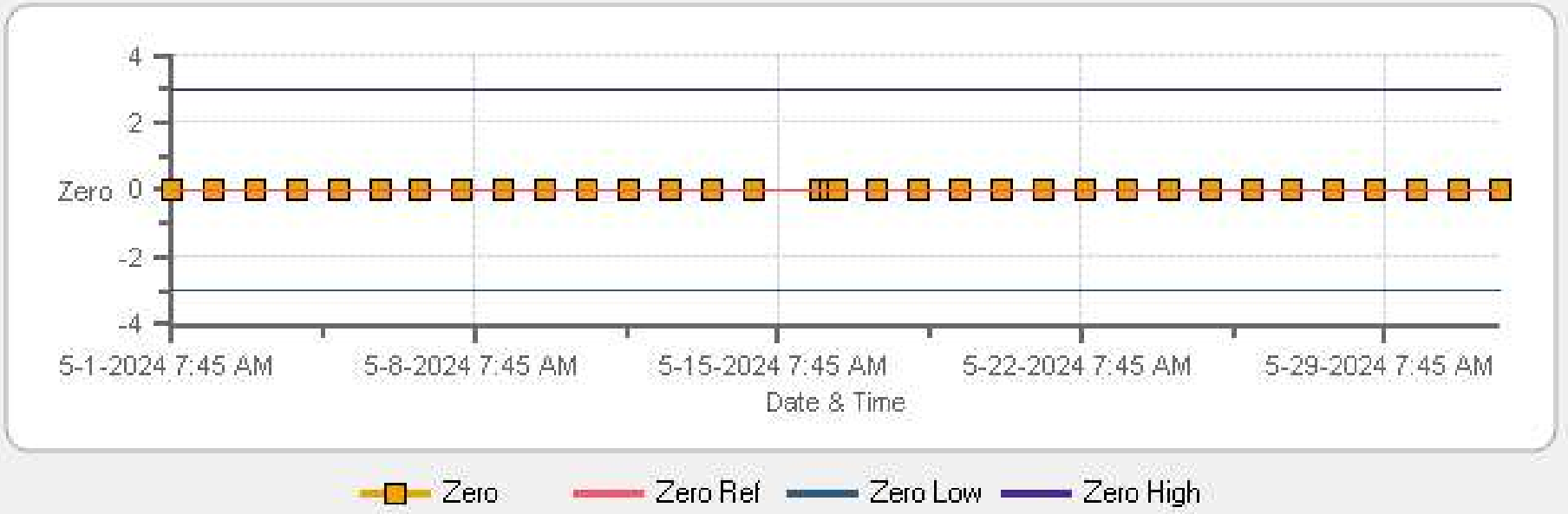
THC55[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Zero



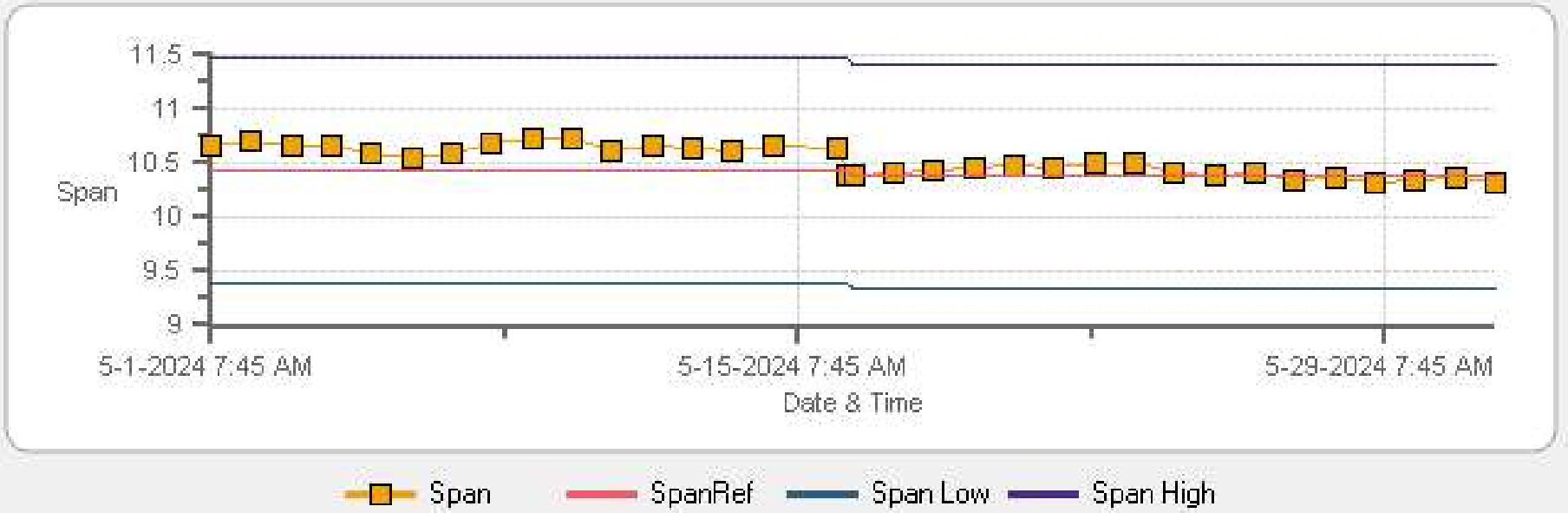
THC55[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Span



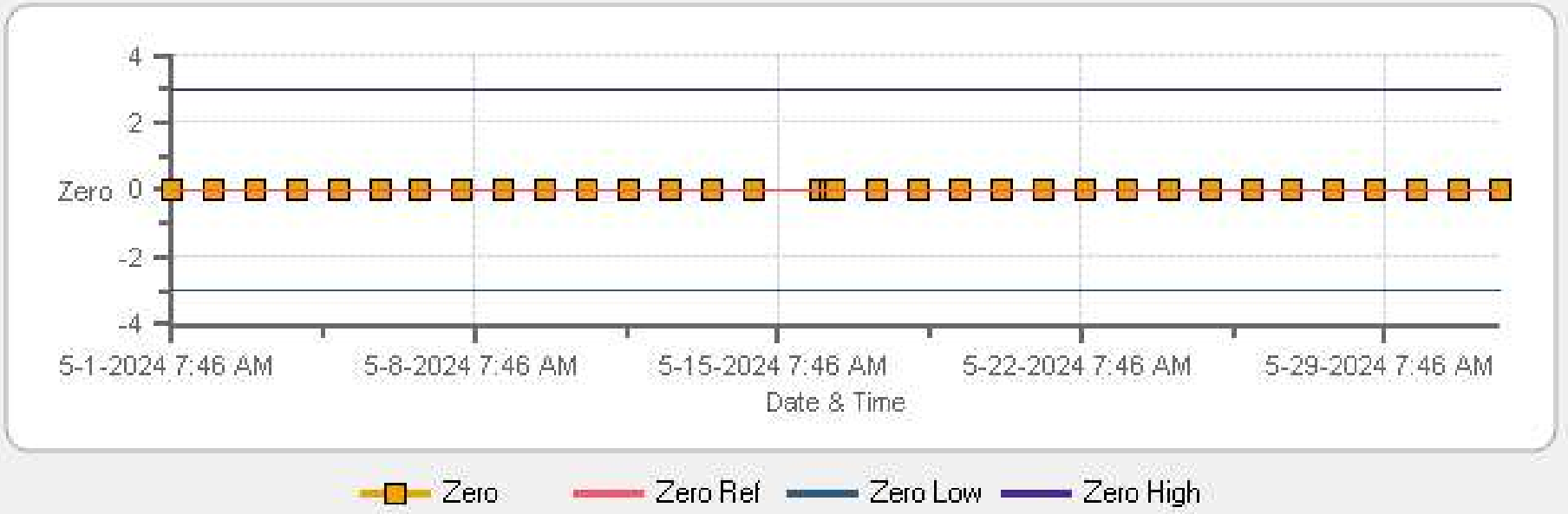
CH4[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Zero



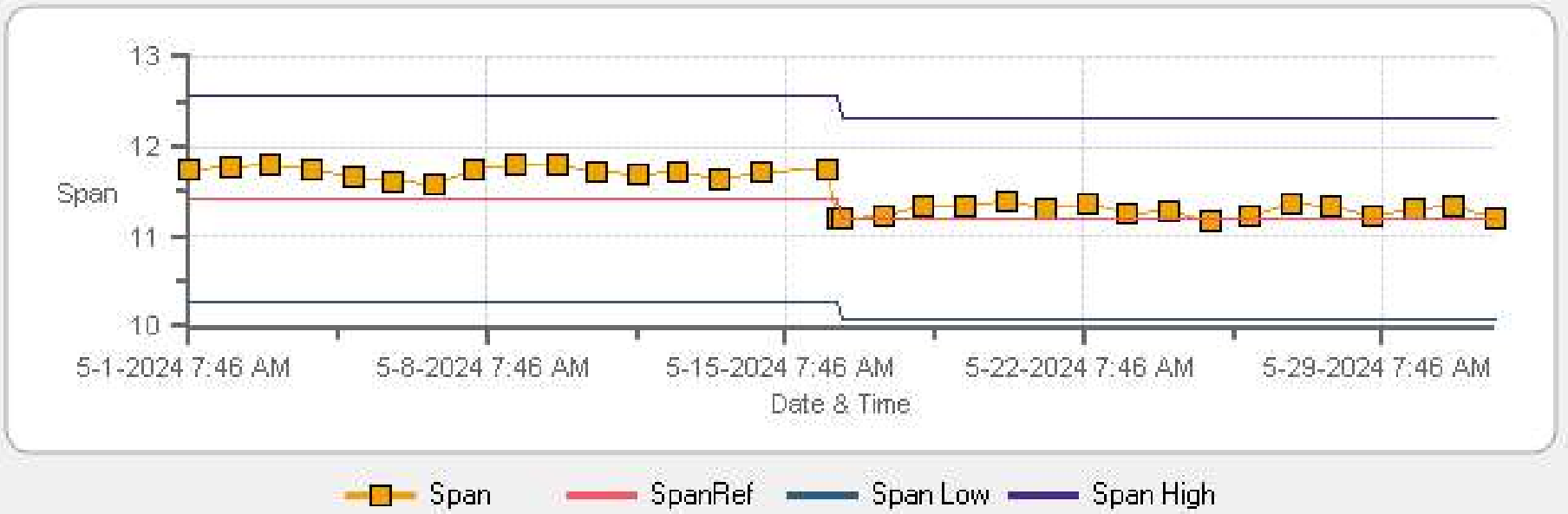
CH4[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 05-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	16-May-2024	PREVIOUS CALIBRATION DATE:	11-Apr-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.004
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	986c	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	09:07
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:24

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	431
INITIAL		FINAL	
BKG/OFFSET	18.9	BKG/OFFSET	19.6
COEF/SLOPE	1.054	COEF/SLOPE	1.047
Expected (reference) Value	262.7	Expected (reference) Value	261.1

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	900	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	1	0		
3940	60.80	4001	379.91	381.7	379.7	0.998	1.001
3972	28.80	4001	179.96	n/a	181.1	n/a	0.994
3985	14.40	3999	90.02	n/a	91.7	n/a	0.982

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.2%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: PRAMP 986-C Daily: 2024-05-16 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
SO2 [ppb]
2024-05-16 00:00
2024-05-16 04:43
2024-05-16 09:29
2024-05-16 14:15
2024-05-16 19:01
2024-05-16 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	16-May-2024	PREVIOUS CALIBRATION DATE:	11-Apr-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.005
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	986C	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	09:07
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	420
INITIAL		FINAL	
BKG/OFFSET	18.2	BKG/OFFSET	17.5
COEF/SLOPE	1.037	COEF/SLOPE	1.012
Expected (reference) Value	56.5	Expected (reference) Value	57.28

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

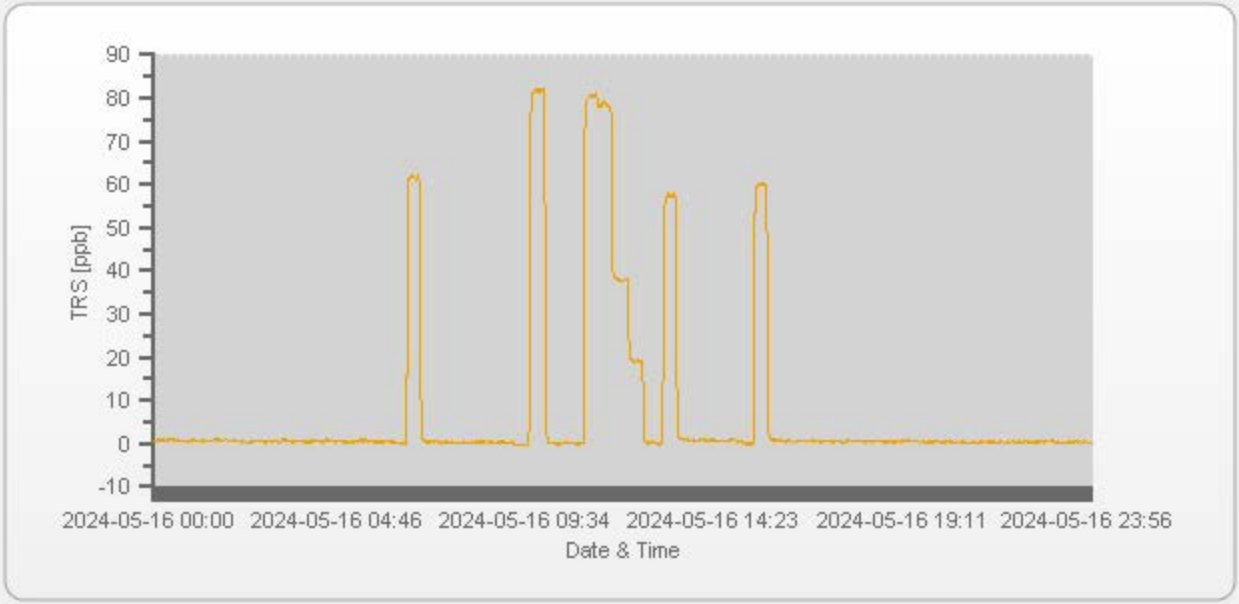
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.51	0		
3970	30.90	4001	77.93	81.34	77.89	0.952	1.000
3986	15.10	4001	38.08	n/a	37.72	n/a	1.010
3992	7.50	3999	18.92	n/a	19.27	n/a	0.982

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

TRS Converter CDNOVA CDN101 #530


TRS[ppb] Station: PRAMP 986-C Daily: 2024-05-16 Type: AVG 1 Min. [1 Min.]
90
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-05-16 00:00
2024-05-16 04:46
2024-05-16 09:34
2024-05-16 14:23
2024-05-16 19:11
2024-05-16 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	16-May-2024	PREVIOUS CALIBRATION DATE:	11-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	986C	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	09:07
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:49

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1022143392	1061
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.003	1.000	1.002

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	900		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.43	11.41	21.84		10.38	11.20	21.57

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.92	13.99	28.91	14.47	13.39	27.86	0.976	0.961	0.969	1.006	1.004	1.005
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.24	6.66	13.90	n/a	n/a	n/a	1.008	1.011	1.010
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.60	3.31	6.92	n/a	n/a	n/a	1.014	1.017	1.014

LINEAR REGRESSION ANALYSIS:

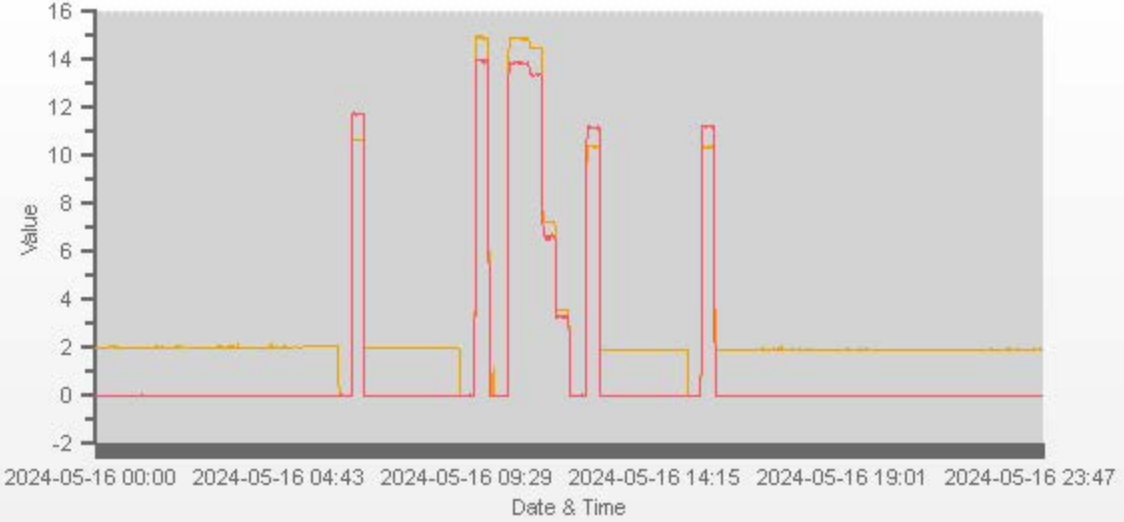
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.994	-0.1%
NMHC	1.000	0.997	-0.1%
THC	1.000	0.995	-0.1%

Comments:

Sample filter changed
BV analyzer

Use Zero Chrom? **No**

Station: PRAMP 986-C Daily: 2024-05-16 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	May 16, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP 986c		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-32	20626912
Barometric Pressure Sensor:	MetOne	092	Y23358
Relative Humidity Sensor:	Rotronic	HC2-S3	20626912
Anemometer:	RM Young	05305AQ	180340

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	April 11, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Tested: 12:14-12:18
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	**Data Logger Response (mm):**	**Manual Specification = +/- 0.1 mm**
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	April 11, 2024	
Parameter:	Temperature @ 2 metres	
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025	
Reference Temperature (^{o}C):	7.8	
Station - Ambient Temperature (^{o}C):	7.7	
Temperature Difference (^{o}C):	0.1	

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	April 11, 2024	
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024	
Reference Pressure - Units/Reading:	millibar	930
Station Pressure - Units/Reading:	millibar	930
Pressure Tolerance +/- 15% of error:	791 - 1070	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	April 11, 2024	
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025	
Reference Hygrometer % RH- Reading:	89.10	
Station Hygrometer % RH- Reading:	94.50	
RH Tolerance +/- 15% of difference:	75.74 - 102.47	-6.1%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	April 11, 2024	Previous check date:	April 11, 2024
Wind Speed Observed (kph):	0~5	Wind Direction Observed:	SE
Wind speed on Data Logger (kph):	2.4	Wind Direction on Data Logger:	SE
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	986C	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	14:01 / 15:03
Calibration Purpose:	routine annual	**Weather Conditions:**	Rain fall heavy at times

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	180340	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 5, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.1	1.003
7000	129.0	128.9	129.3	0.999
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	31	331	-1.0	-1.0	1.0
60	300	60	301	0.0	-1.0	0.5
90	270	90	271	0.0	-1.0	0.5
120	240	119	240	1.0	0.0	0.5
150	210	148	207	2.0	3.0	2.5
180	180	178	178	2.0	2.0	2.0
210	150	208	148	2.0	2.0	2.0
240	120	240	122	0.0	-2.0	1.0
270	90	272	90	-2.0	0.0	1.0
300	60	301	60	-1.0	0.0	0.5
330	30	331	32	-1.0	-2.0	1.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.2**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues

END OF REPORT

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202405-01563

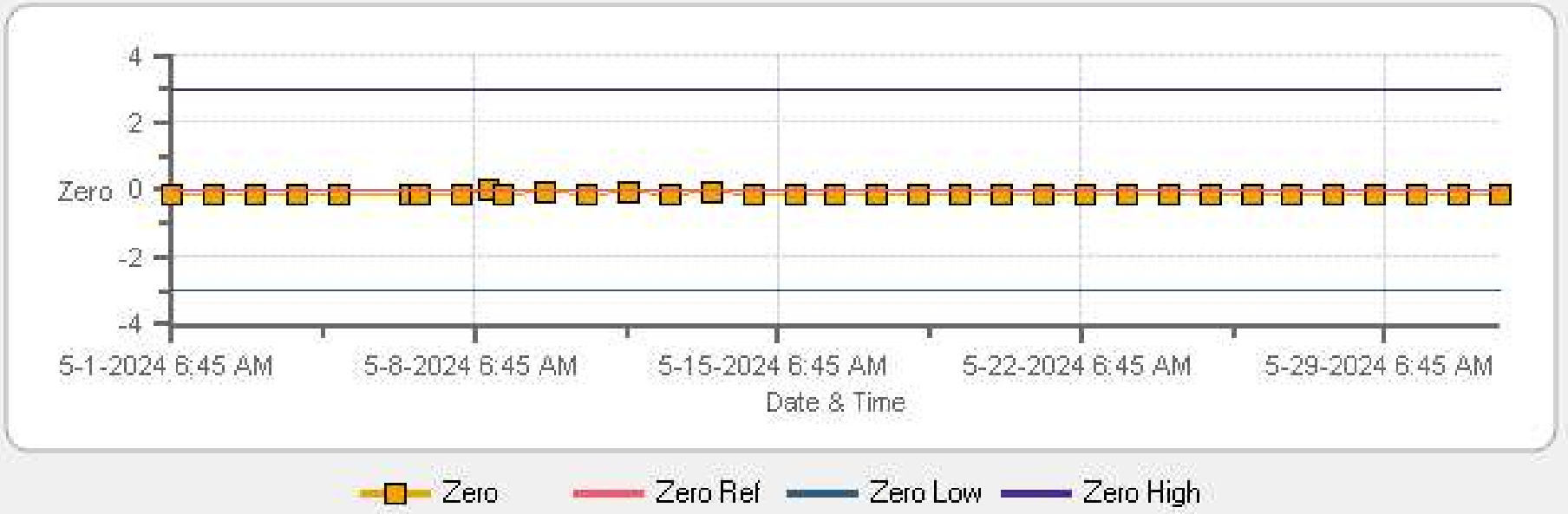
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

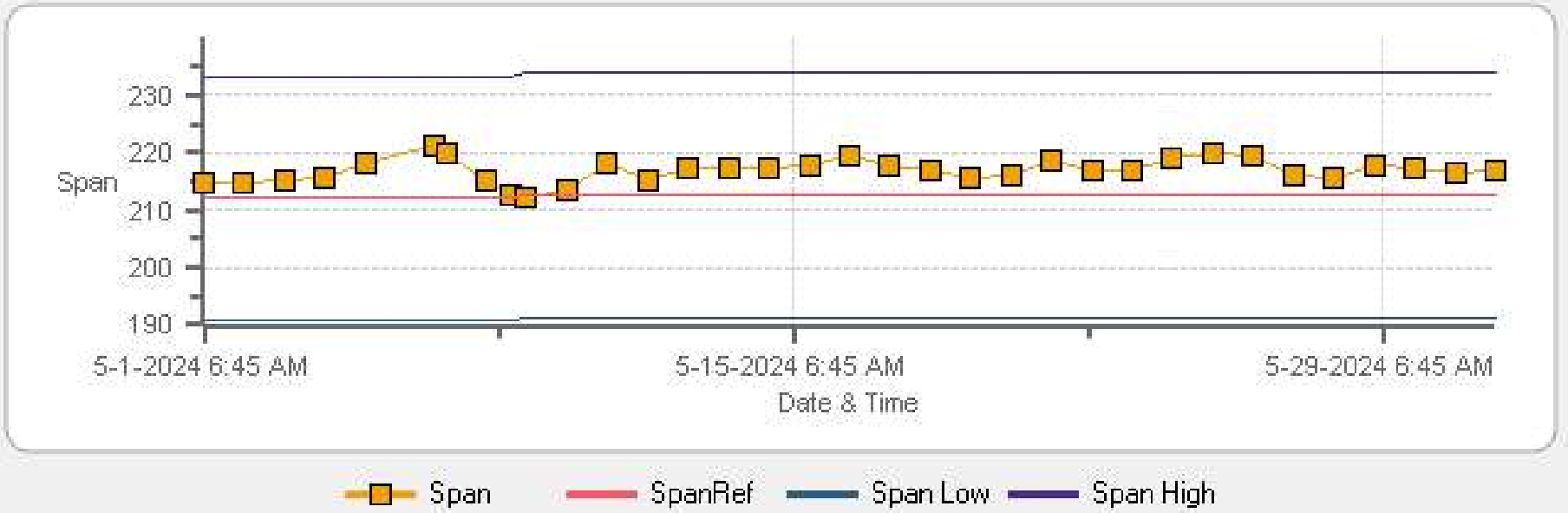
June 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

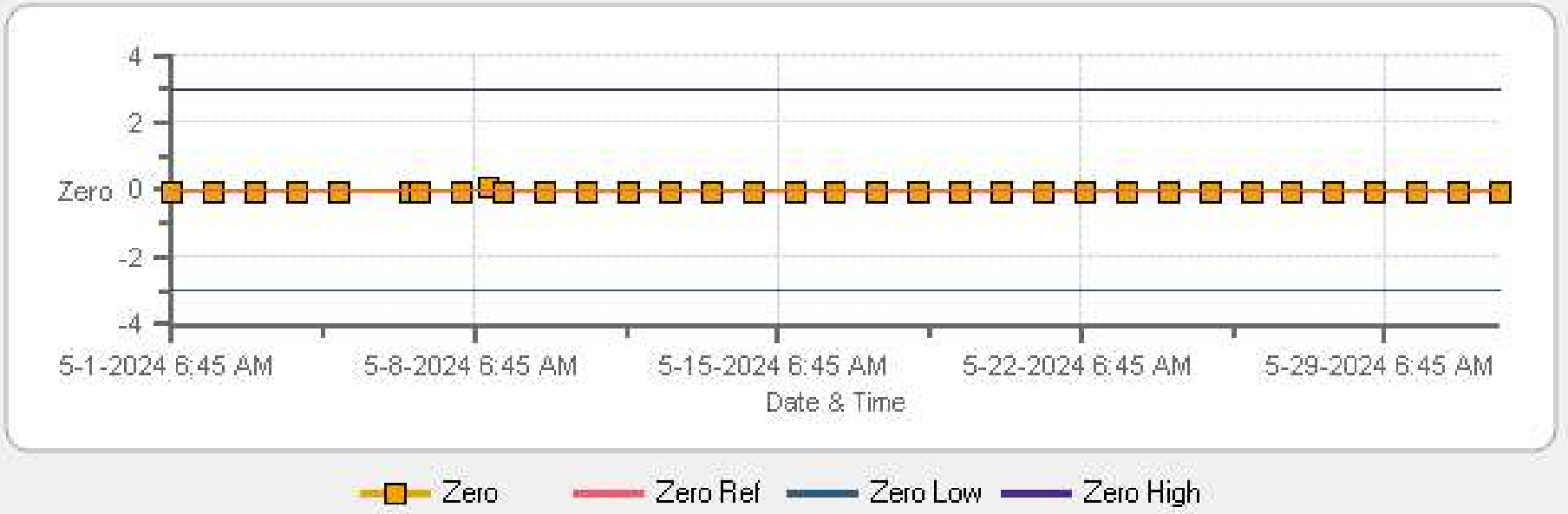
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Zero



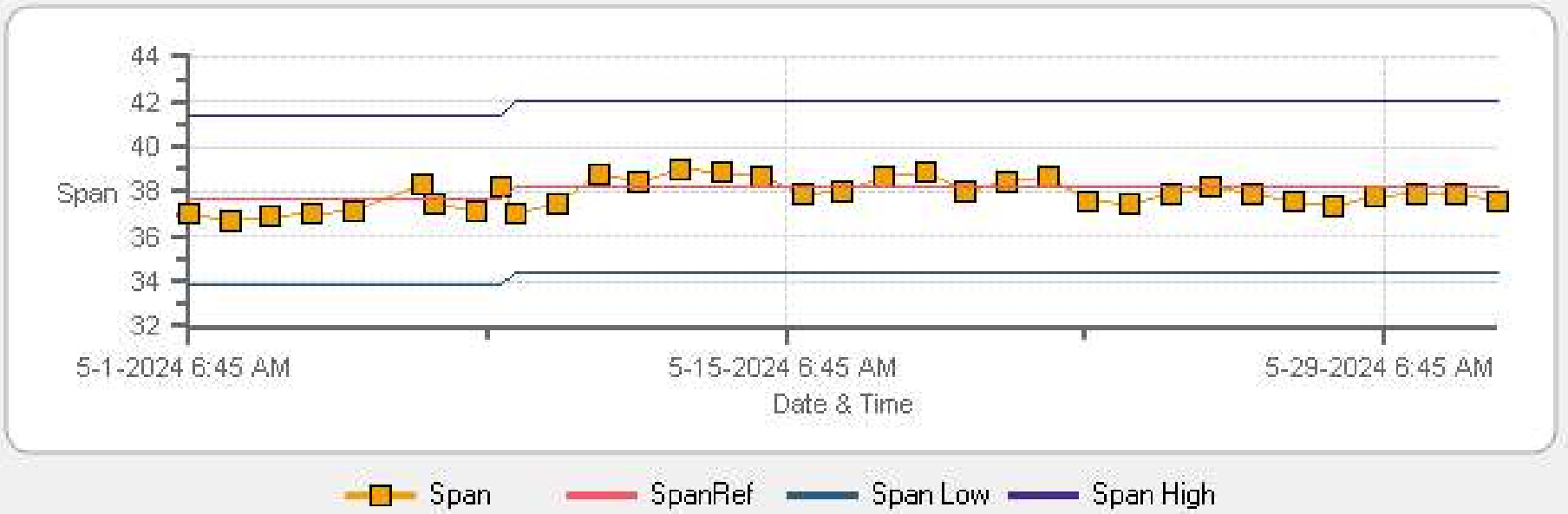
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Span



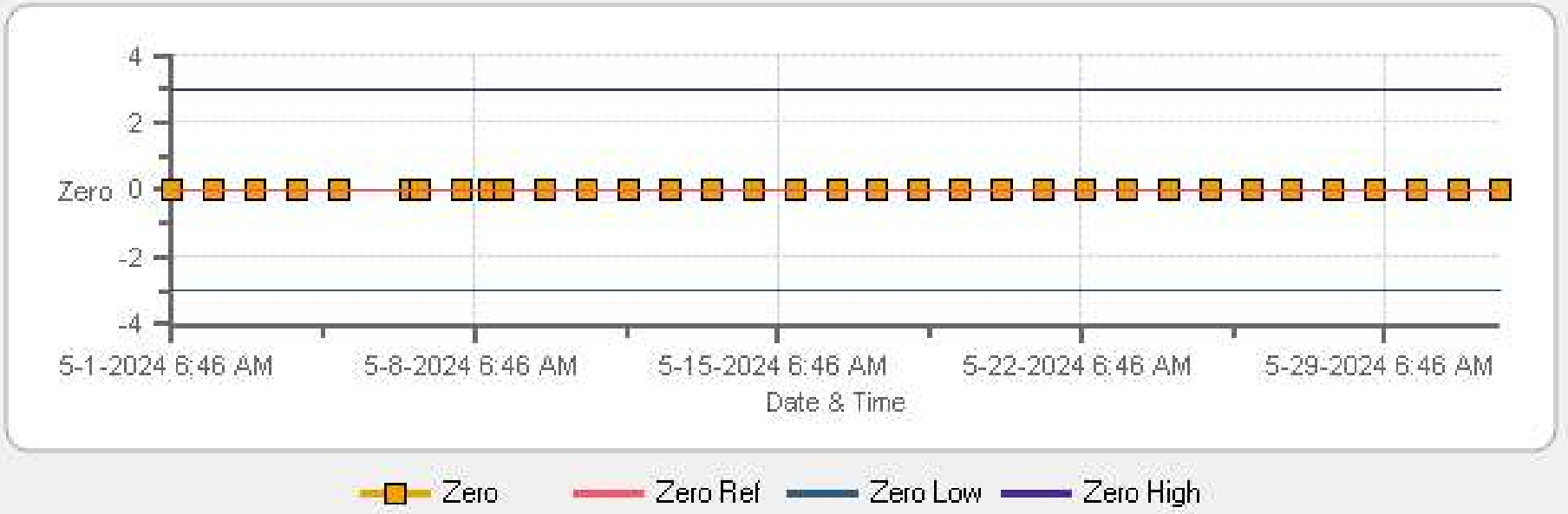
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Zero



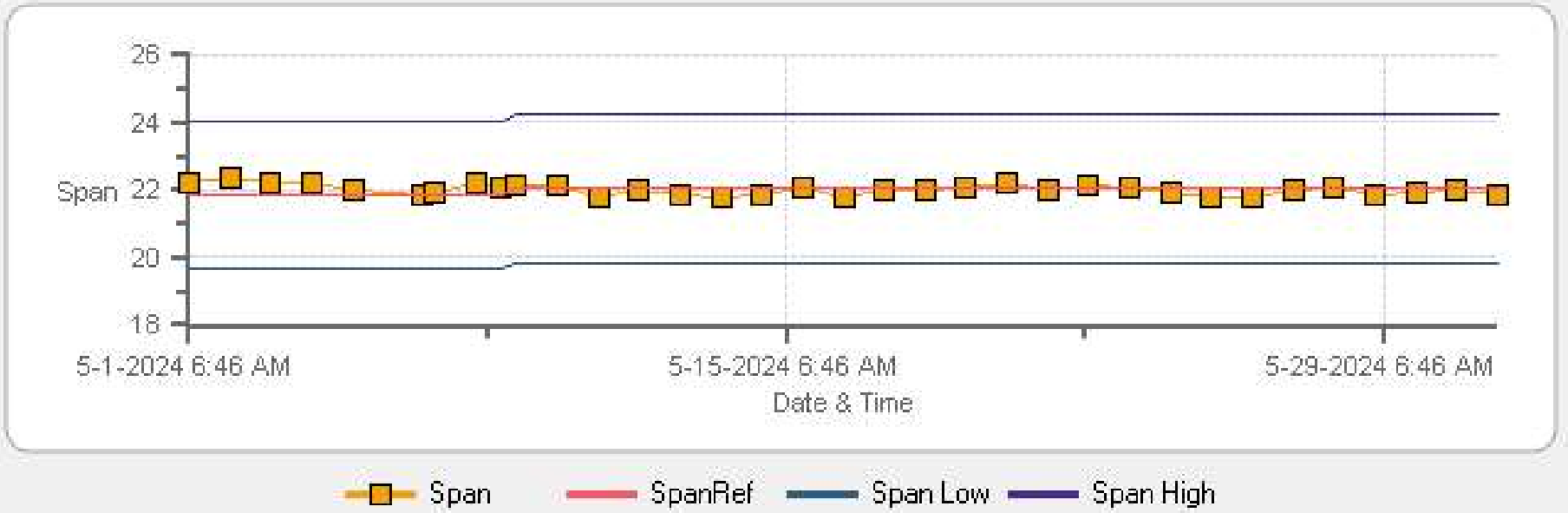
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Span



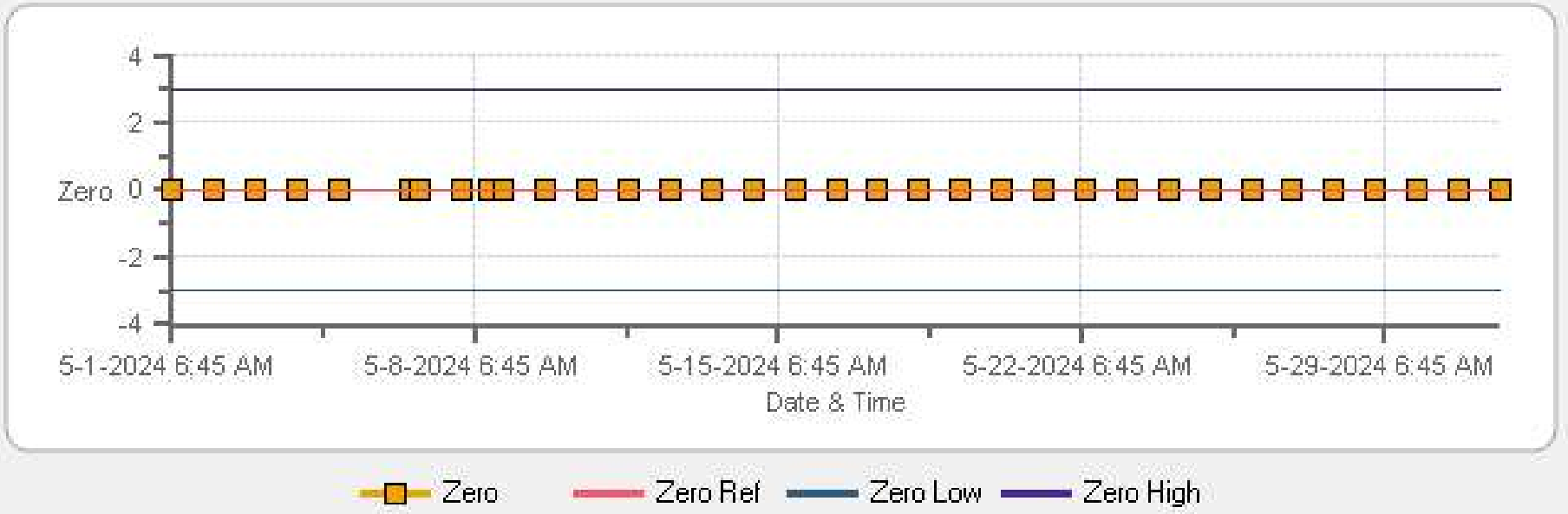
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Zero



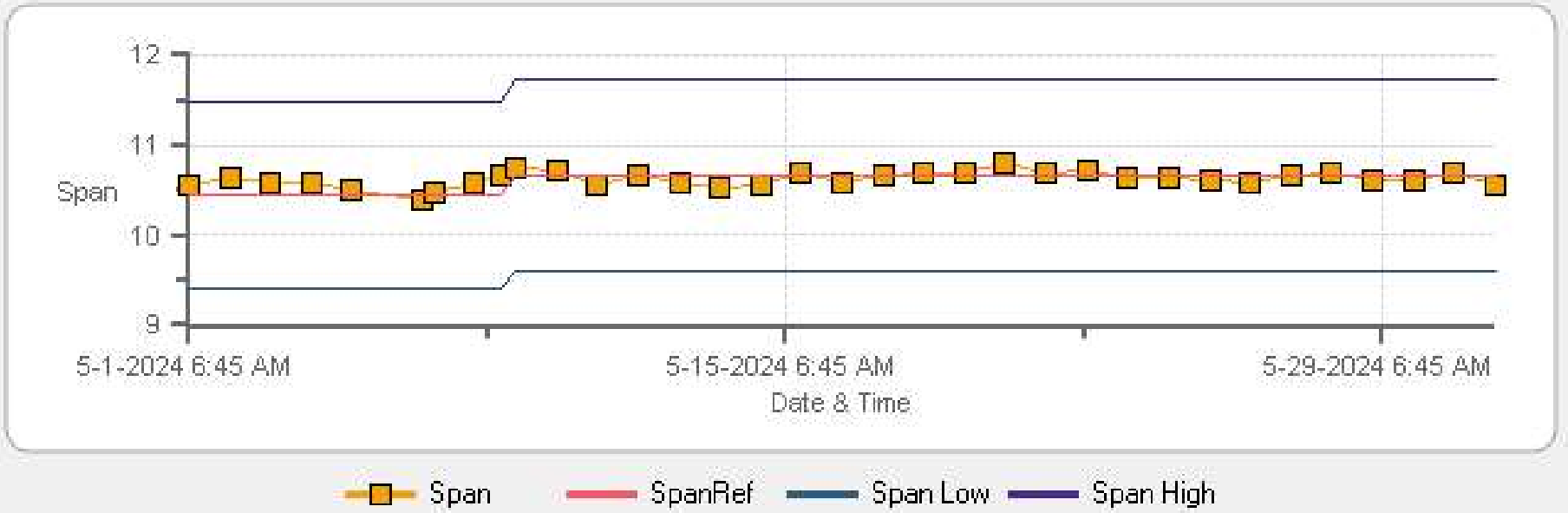
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Span



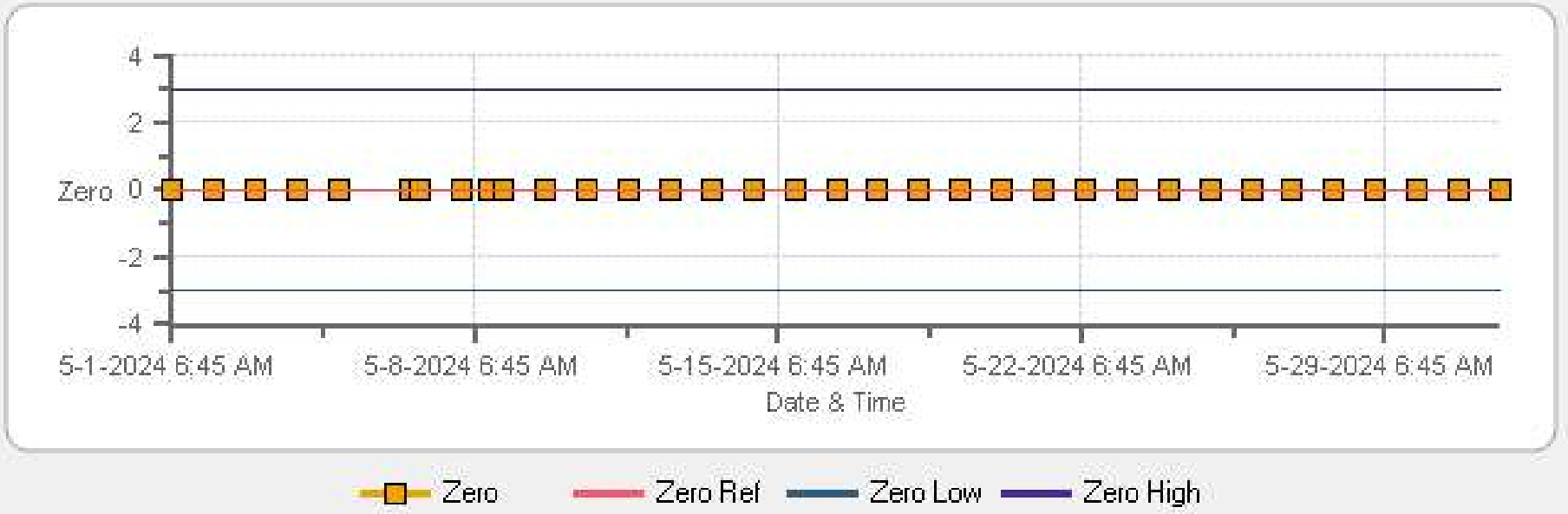
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Zero



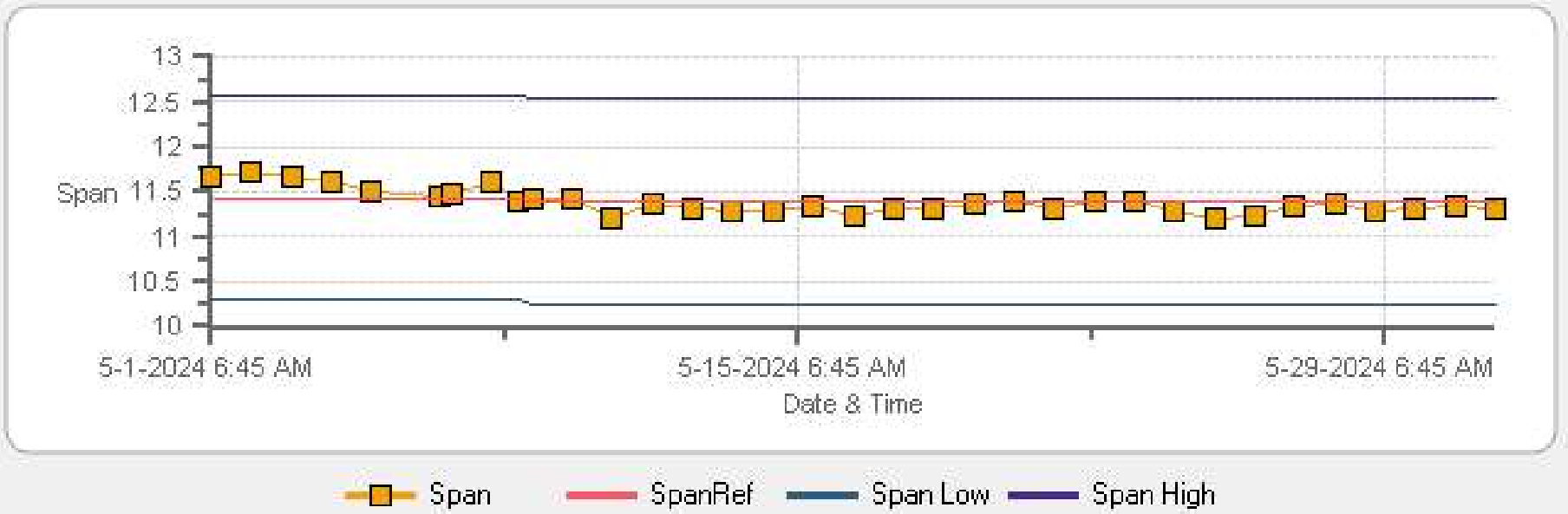
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 05-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	08-May-2024	PREVIOUS CALIBRATION DATE:	03-Apr-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	22.2
LOCATION:	Reno-B	BAROMETRIC (mBar):	946
PURPOSE	Routine	START TIME (MST):	10:20
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:19

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	439
INITIAL		FINAL	
BKG/OFFSET	1.32	BKG/OFFSET	1.31
COEF/SLOPE	0.915	COEF/SLOPE	0.913
Expected (reference) Value	212.1	Expected (reference) Value	212.7

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1000	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

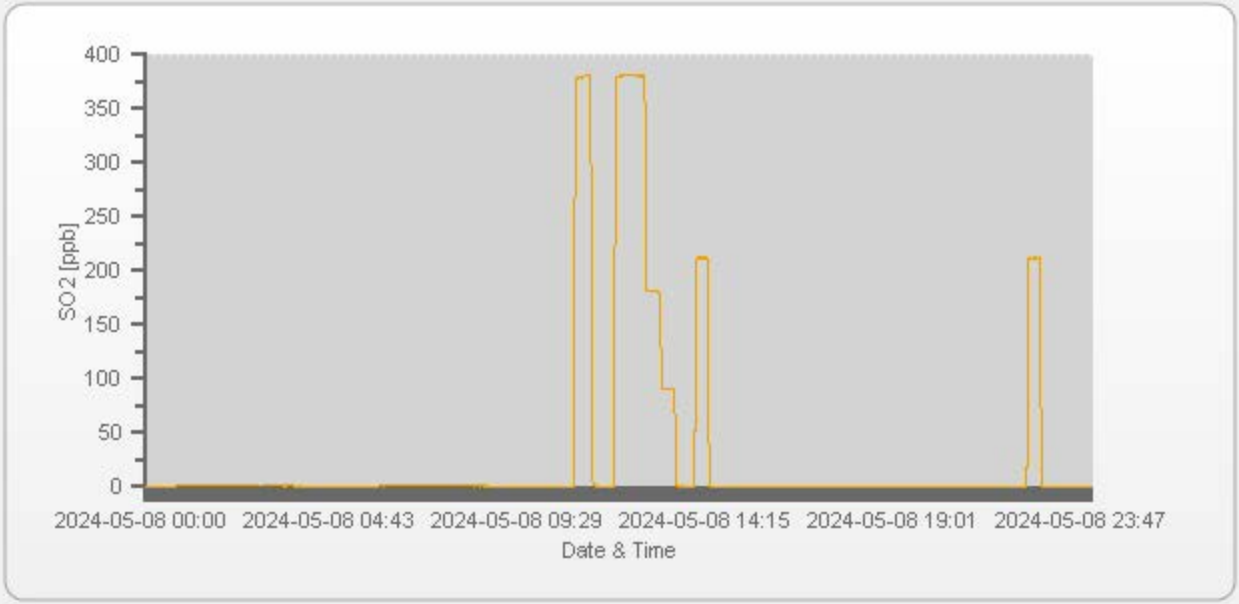
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.1	0		
3939	60.80	4000	380.00	380.9	380.4	0.997	0.999
3971	28.80	4000	180.00	n/a	180.7	n/a	0.996
3986	14.40	4000	90.00	n/a	90.4	n/a	0.996

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample filter changed


SO2[ppb] Station: PRAMP RENO-B Daily: 2024-05-08 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-05-08 00:00
2024-05-08 04:43
2024-05-08 09:29
2024-05-08 14:15
2024-05-08 19:01
2024-05-08 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	08-May-2024	PREVIOUS CALIBRATION DATE:	03-Apr-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.994
CLIENT:	PRAMP	TEMPERATURE (°C):	22.2
LOCATION:	Reno-B	BAROMETRIC (mBar):	946
PURPOSE	Routine	START TIME (MST):	10:20
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:19

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	391
INITIAL		FINAL	
BKG/OFFSET	1.11	BKG/OFFSET	1.11
COEF/SLOPE	0.915	COEF/SLOPE	0.925
Expected (reference) Value	37.64	Expected (reference) Value	38.21

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

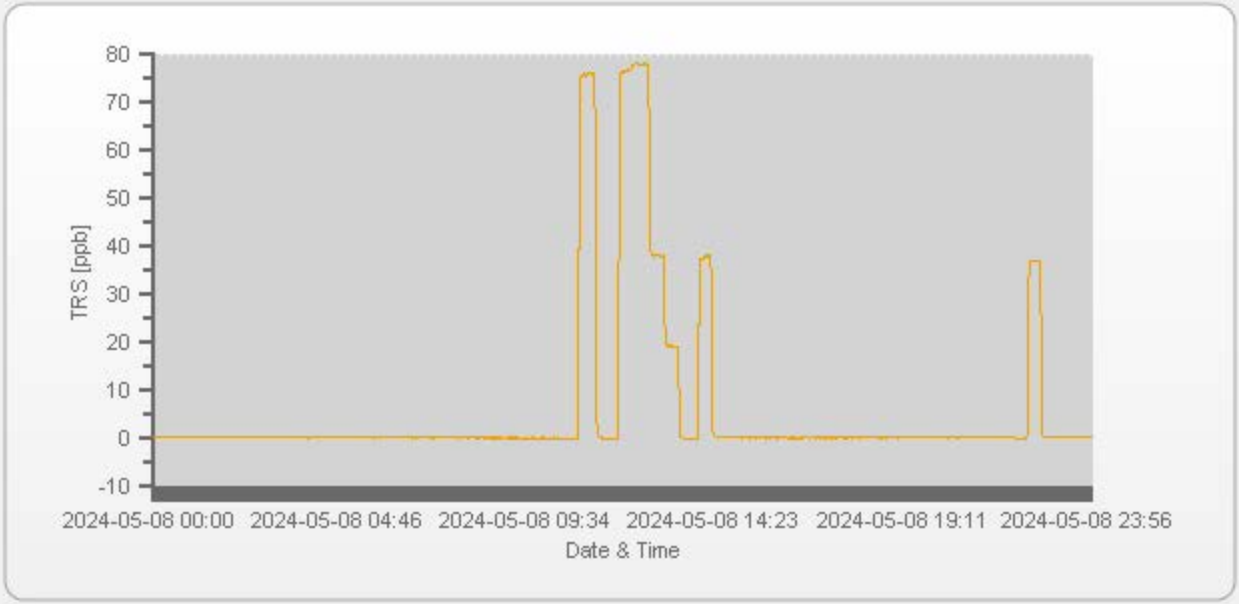
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.08	0		
3969	30.90	4000	77.95	76.16	78.16	1.022	0.997
3985	15.10	4000	38.09	n/a	38.07	n/a	1.001
3993	7.50	4000	18.92	n/a	19.31	n/a	0.980

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.1%

COMMENTS:

TRS Converter CDNOVA CDN-101 #590.
Sample Filter Changed


TRS[ppb] Station: PRAMP RENO-B Daily: 2024-05-08 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-05-08 00:00
2024-05-08 04:46
2024-05-08 09:34
2024-05-08 14:23
2024-05-08 19:11
2024-05-08 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	08-May-2024	PREVIOUS CALIBRATION DATE:	09-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.2
LOCATION:	Reno-B	BAROMETRIC (mBar):	946
PURPOSE	Routine	START TIME (MST):	10:20
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:19

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1193585652	1081
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.002	0.999	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	1000		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	11-Aug-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.44	11.43	21.86		10.67	11.39	22.06

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3095		3095	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.71	13.86	28.58	14.51	13.48	28.00	0.990	0.970	0.980	1.004	0.997	1.000
3072	25.20	3097	7.30	6.74	14.03	n/a	n/a	n/a	7.30	6.77	14.07	n/a	n/a	n/a	1.000	0.995	0.997
3084	12.60	3097	3.65	3.37	7.02	n/a	n/a	n/a	3.66	3.38	7.04	n/a	n/a	n/a	0.997	0.996	0.997

LINEAR REGRESSION ANALYSIS:

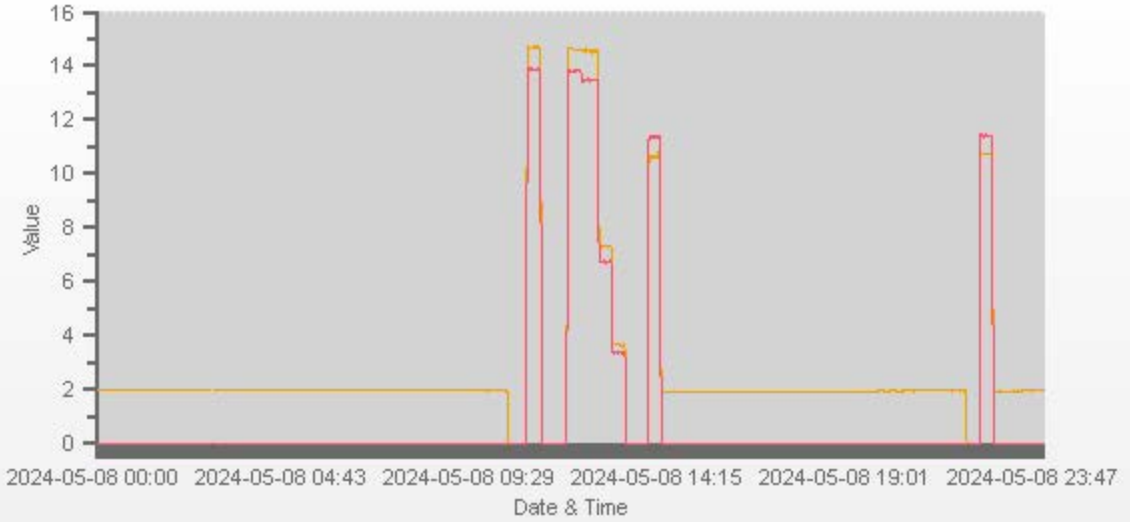
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.996	0.1%
NMHC	1.000	1.003	0.0%
THC	1.000	1.000	0.0%

Comments:

H2 = AMA HG300 #210467069
Sample Filter Changed

Use Zero Chrom? **Yes**

Station: PRAMP RENO-B Daily: 2024-05-08 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	May 8, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP Reno-B		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15877
Temperature Sensor:	Rotronic	HC2-S3	20467597
Barometric Pressure Sensor:	MetOne	92	A17940
Relative Humidity Sensor:	Rotronic	HC2-S3	20467597
Anemometer:	RM Young	05305AQ	174795

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	April 3, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Audit: 12:45-12:50
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tip are heard. (10 tips = 1 ml)

# of Tips	**Data Logger Response (ml):**	**Manual Specification = +/- 0.1 ml**
10	1.00	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	April 3, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	FS 181341226 expires July 17, 2024
Reference Temperature (^{o}C):	15.1
Station - Ambient Temperature (^{o}C):	14.5
Temperature Difference (^{o}C):	0.6

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	April 3, 2024	
Reference Barometer ID:	Equipment ID - 05535 Brunton Expiry - July 17 2024	
Reference Pressure - Units/Reading:	millibar	945
Station Pressure - Units/Reading:	millibar	945
Pressure Tolerance +/- 15% of error:	803 - 1087	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	April 3, 2024	
Reference Hygrometer ID:	FS 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	18.80	
Station Hygrometer % RH- Reading:	20.40	
RH Tolerance +/- 15% of difference:	15.98 - 21.62	-8.5%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	NW
Wind speed on Data Logger (kph):	19.1	Wind Direction on Data Logger:	NW
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Reno-B	**Reviewed By:**	Limin Li
Audit Date:	August 1, 2023	**Start/End Time (mst):**	09:54 / 11:18
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with drizzle

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174795	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	November 23, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.6	0.999
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	1	354	1.0	1.0	1.0
30	330	30	332	0.0	-2.0	1.0
60	300	60	302	0.0	-2.0	1.0
90	270	89	272	1.0	-2.0	1.5
120	240	120	241	0.0	-1.0	0.5
150	210	149	211	1.0	-1.0	1.0
180	180	181	182	-1.0	-2.0	1.5
210	150	211	150	-1.0	0.0	0.5
240	120	241	120	-1.0	0.0	0.5
270	90	271	90	-1.0	0.0	0.5
300	60	301	60	-1.0	0.0	0.5
330	30	331	29	-1.0	1.0	1.0
355	0	354	1	1.0	1.0	1.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**0.9**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues

END OF REPORT

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202405-01689

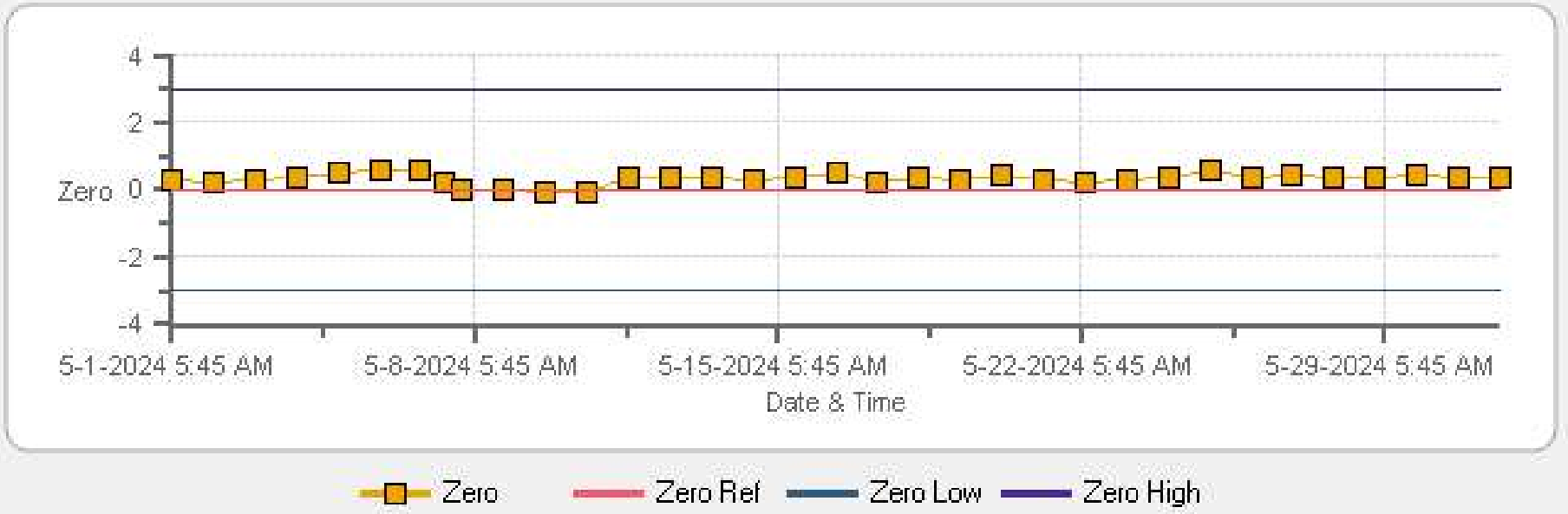
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

June 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero



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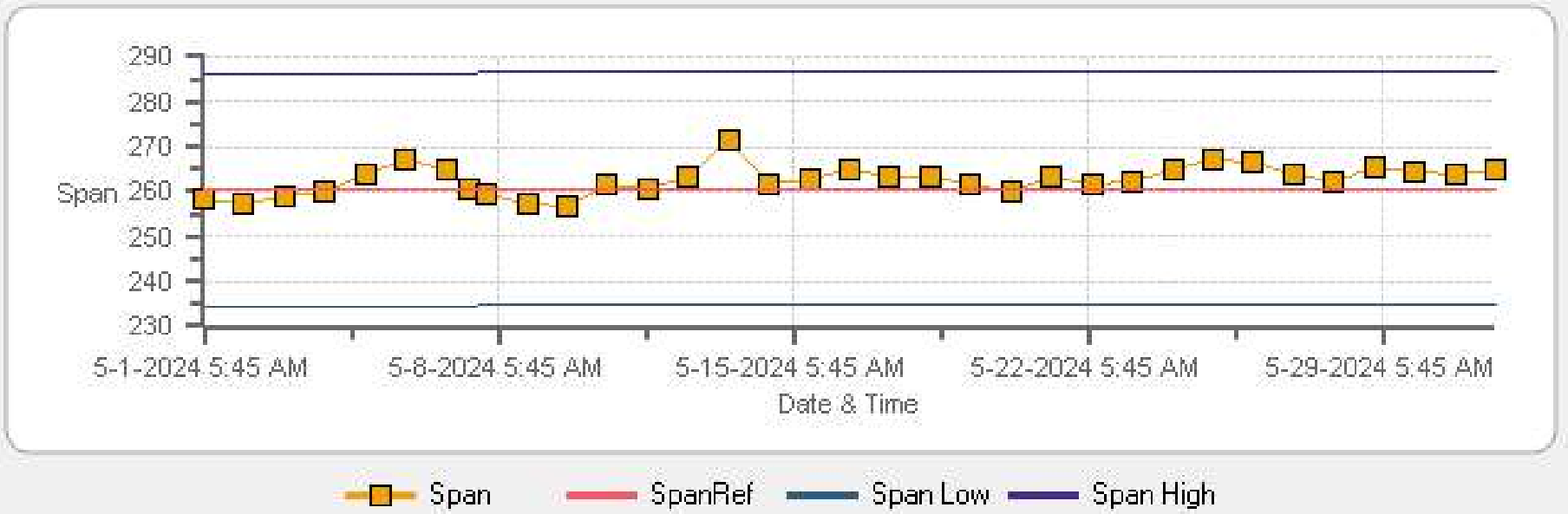
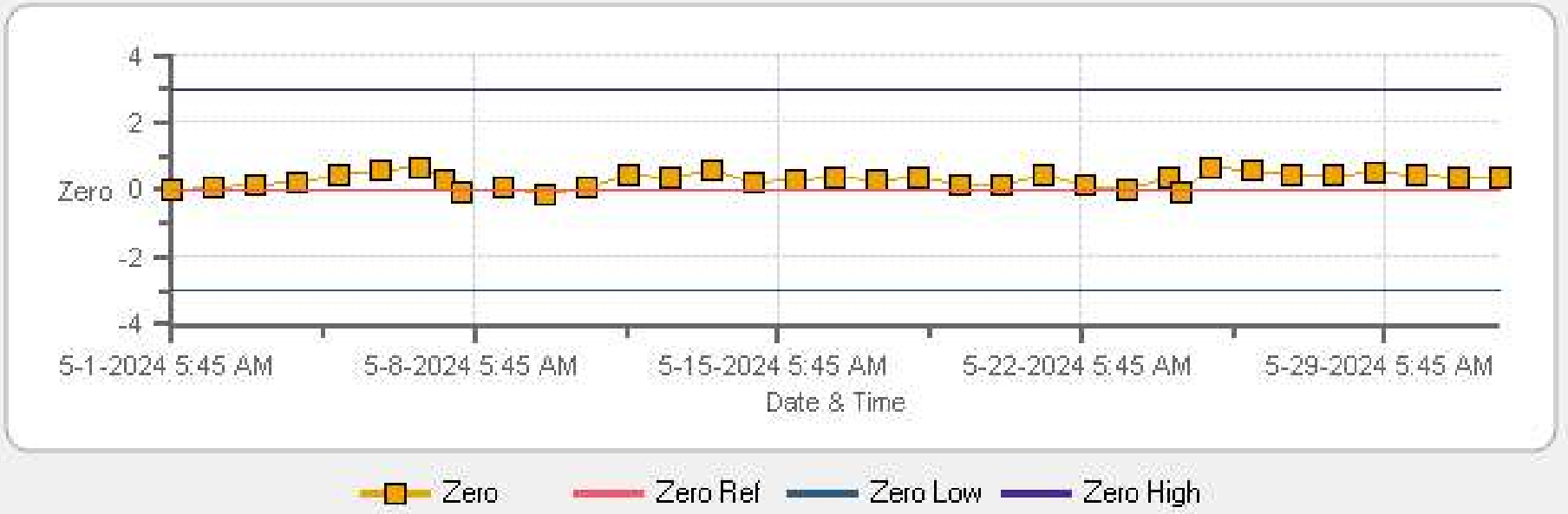
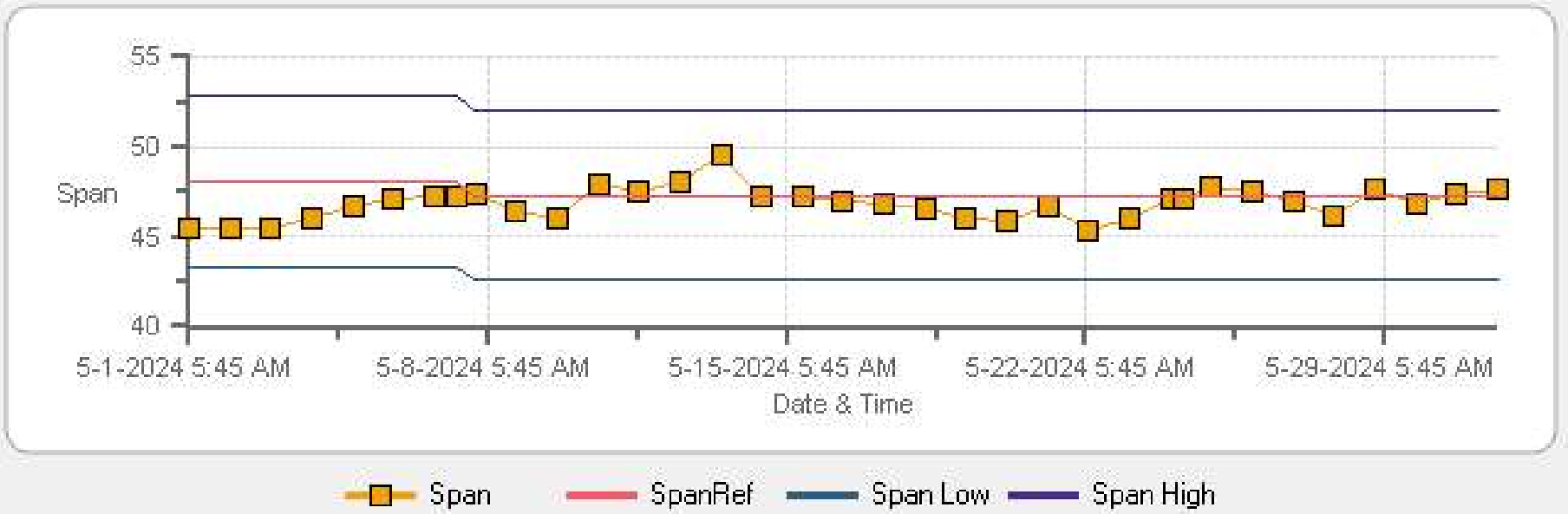


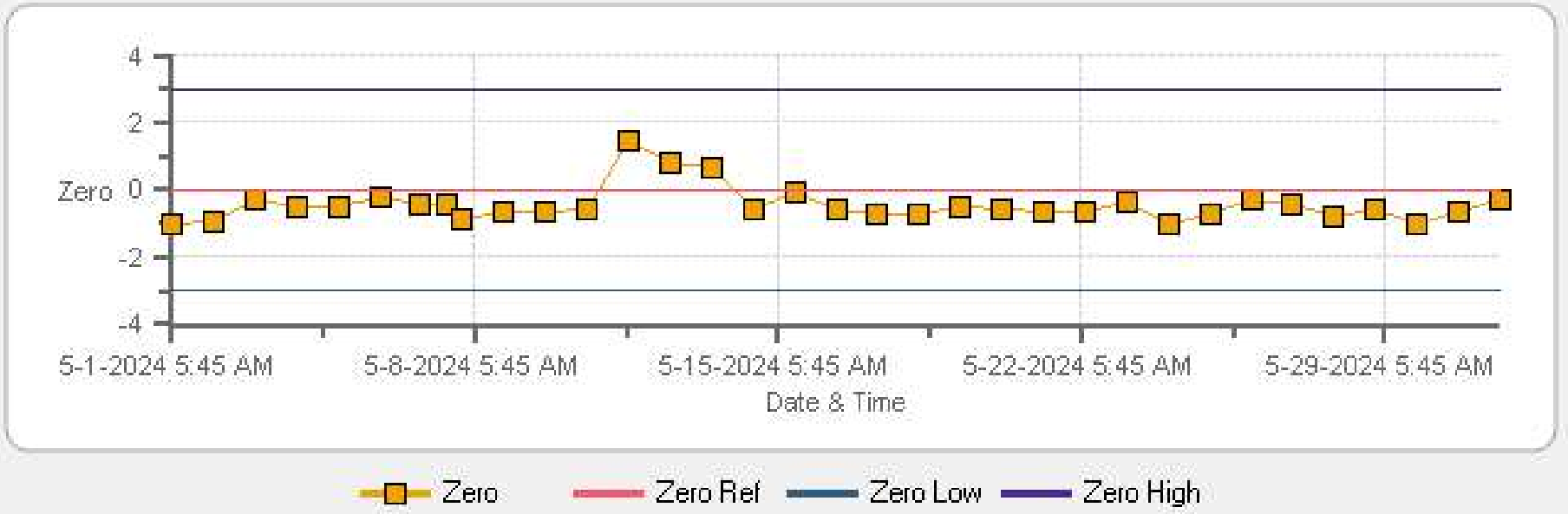
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero



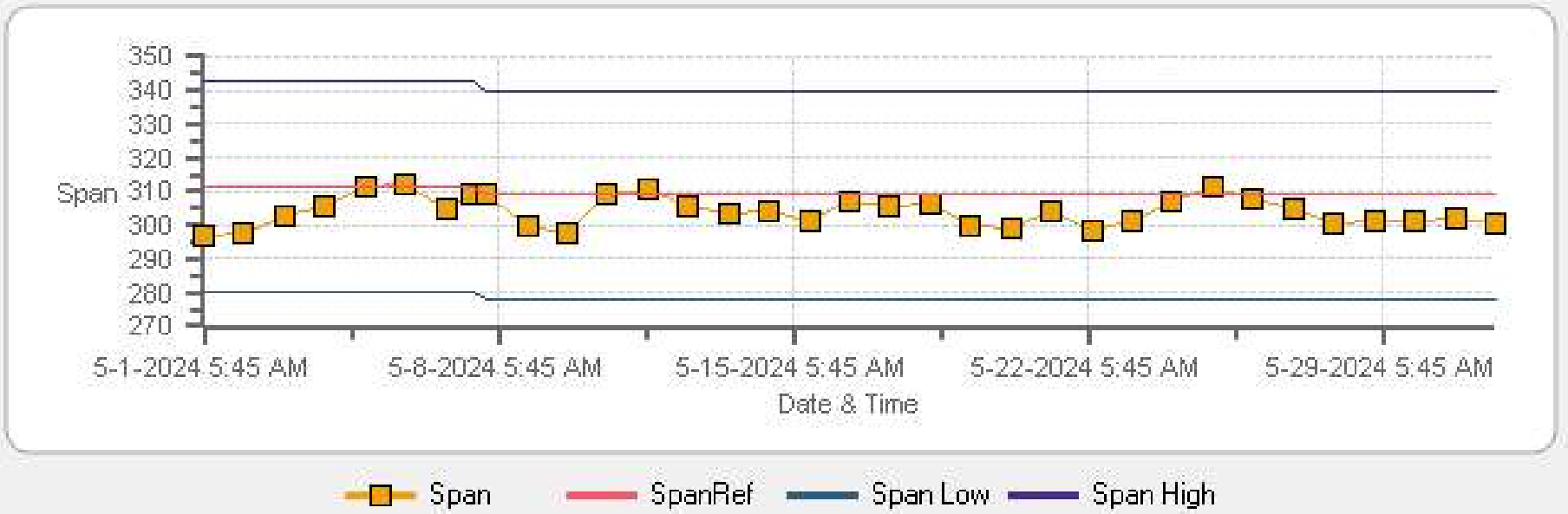
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span



NOX[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero

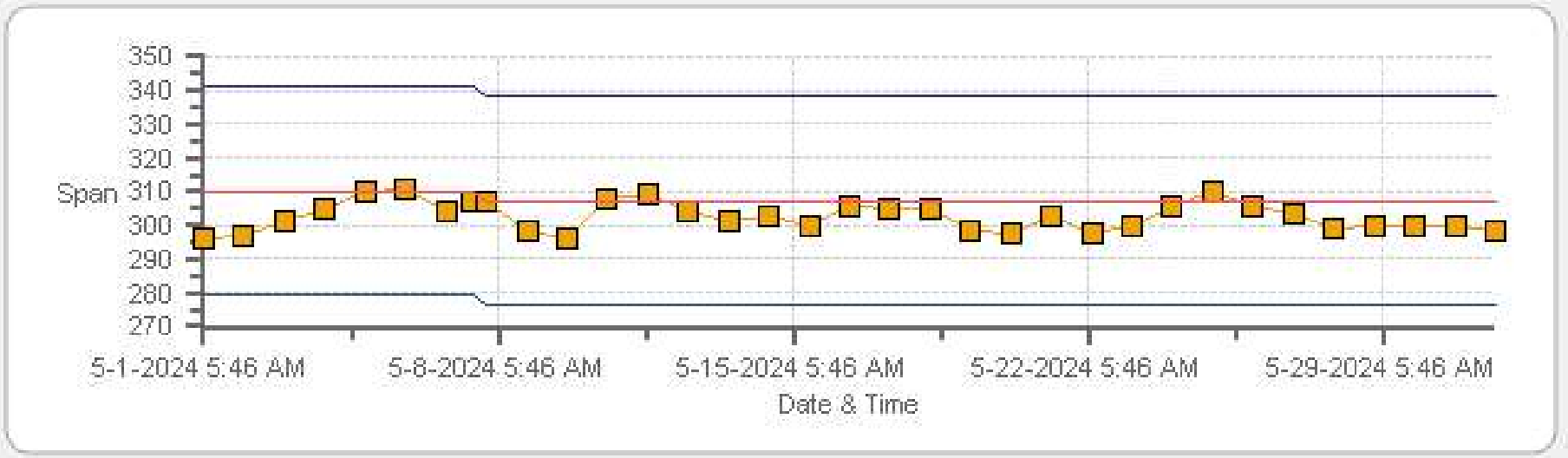


NOX[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span

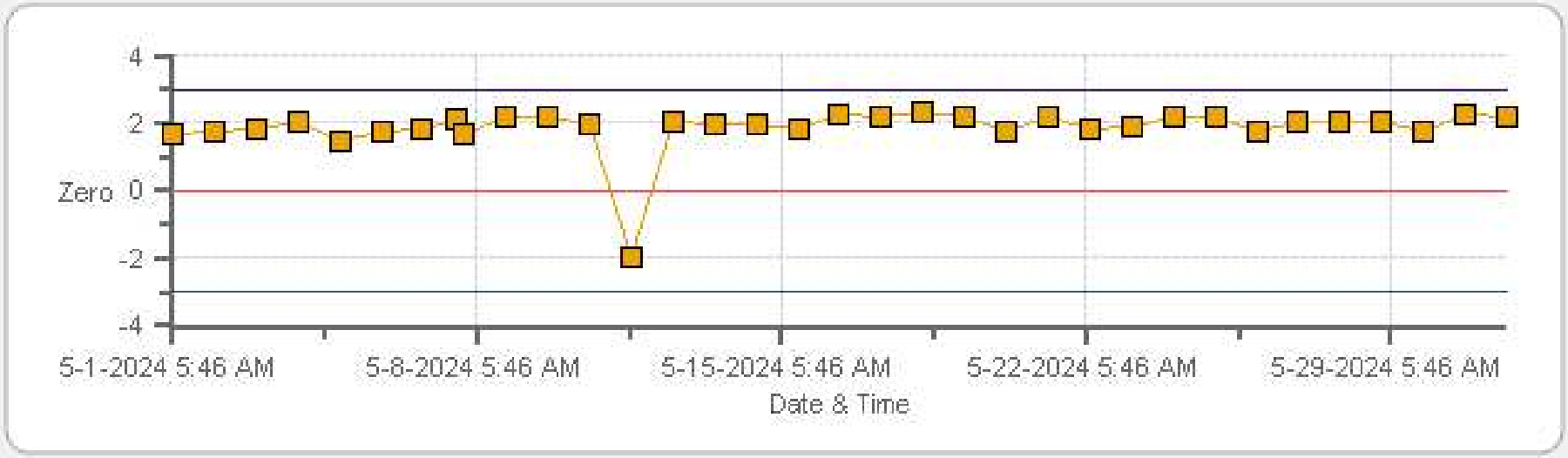


NO2[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero

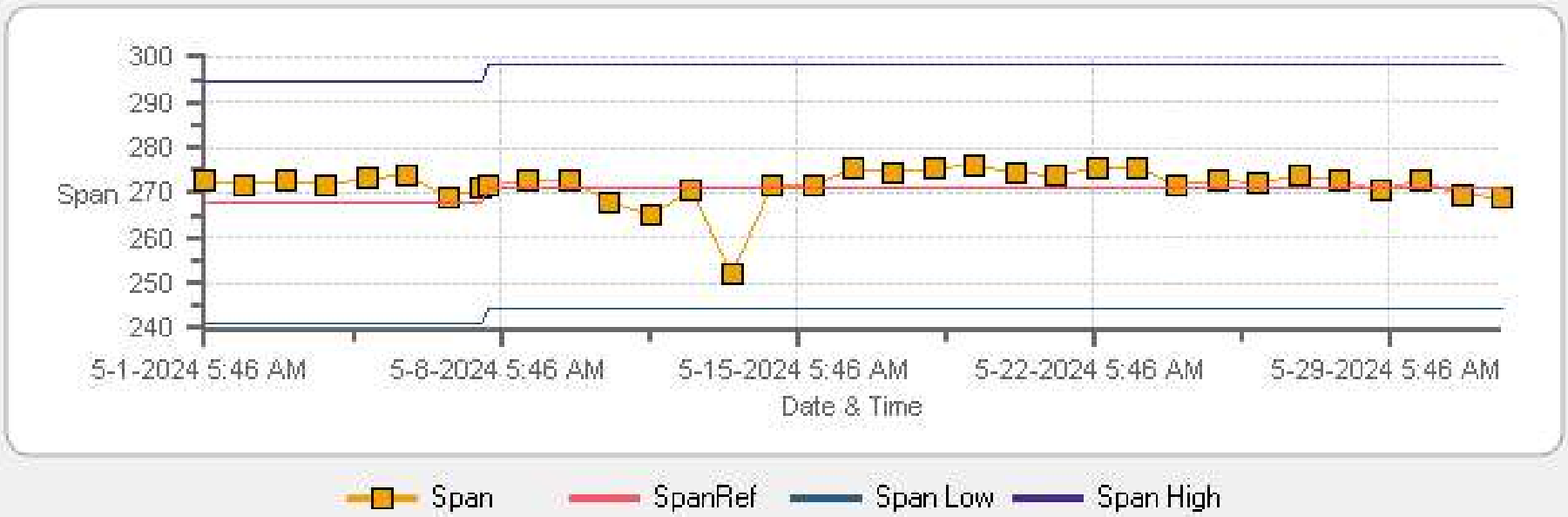
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span

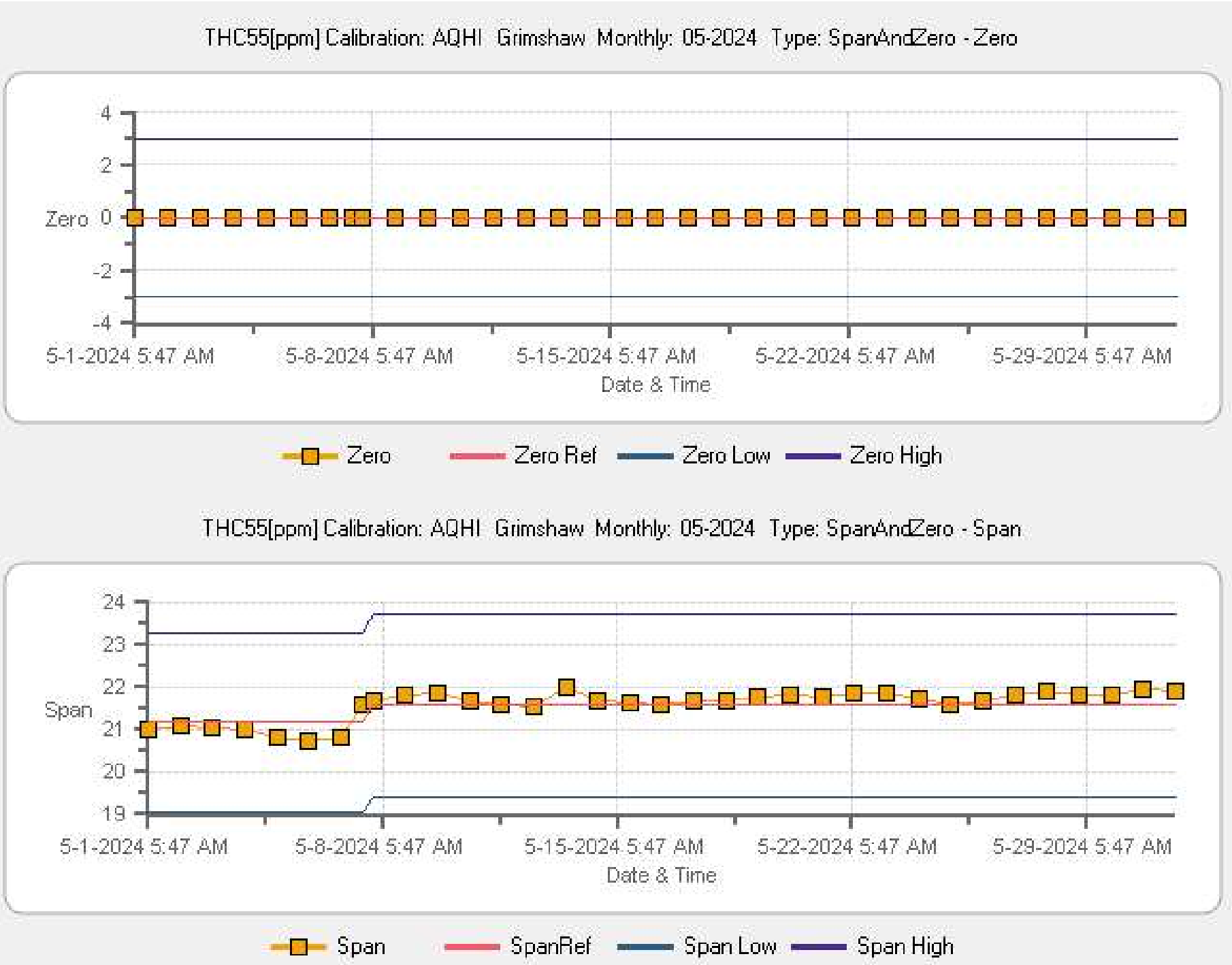


O3[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero

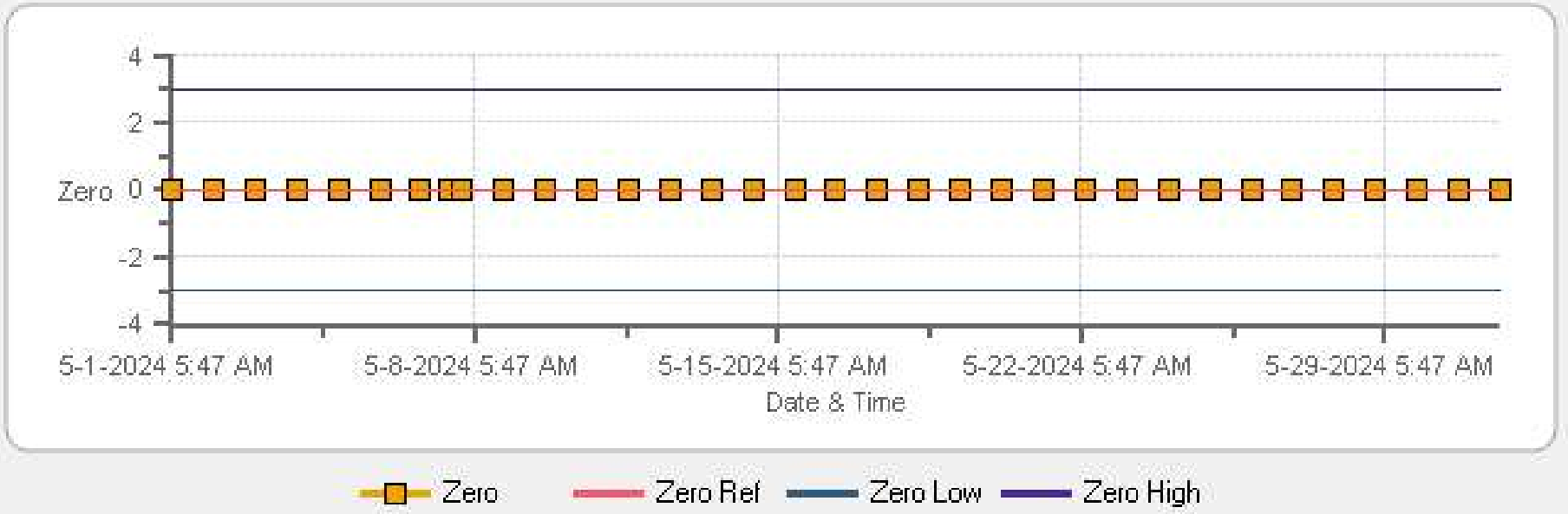


O3[ppb] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span

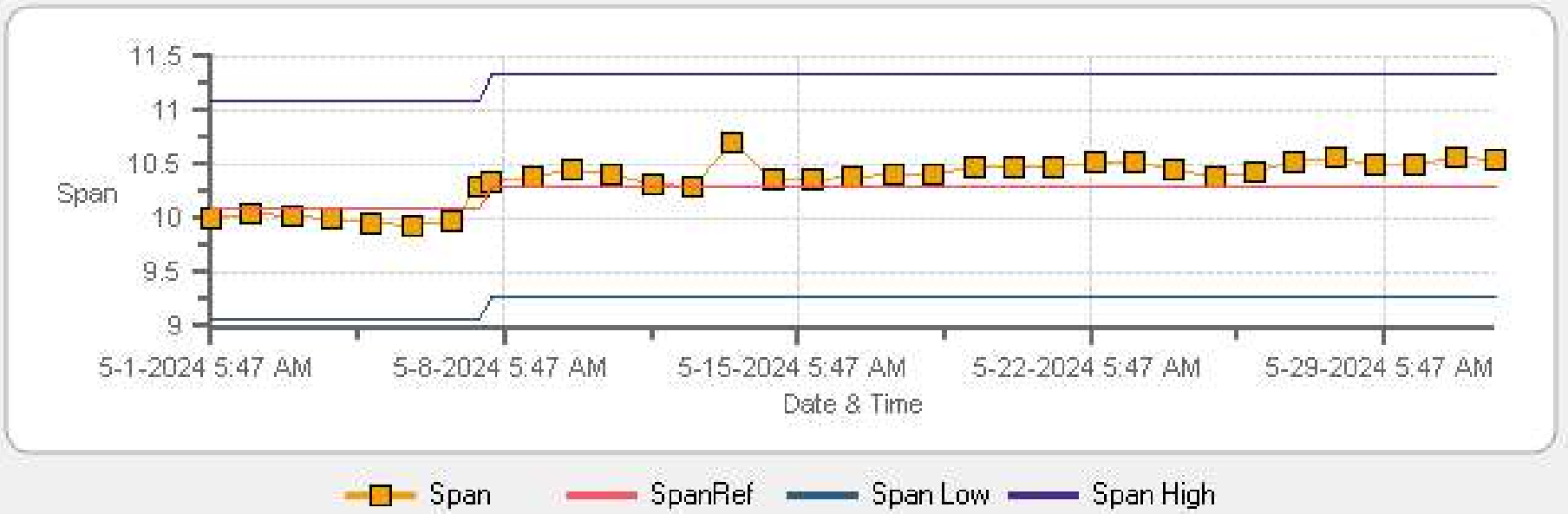



THC55[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
5-1-2024 5:47 AM
5-8-2024 5:47 AM
5-15-2024 5:47 AM
5-22-2024 5:47 AM
5-29-2024 5:47 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span
24
23
22
Span
21
20
19
5-1-2024 5:47 AM
5-8-2024 5:47 AM
5-15-2024 5:47 AM
5-22-2024 5:47 AM
5-29-2024 5:47 AM
Date & Time
Span
SpanRef
Span Low
Span High

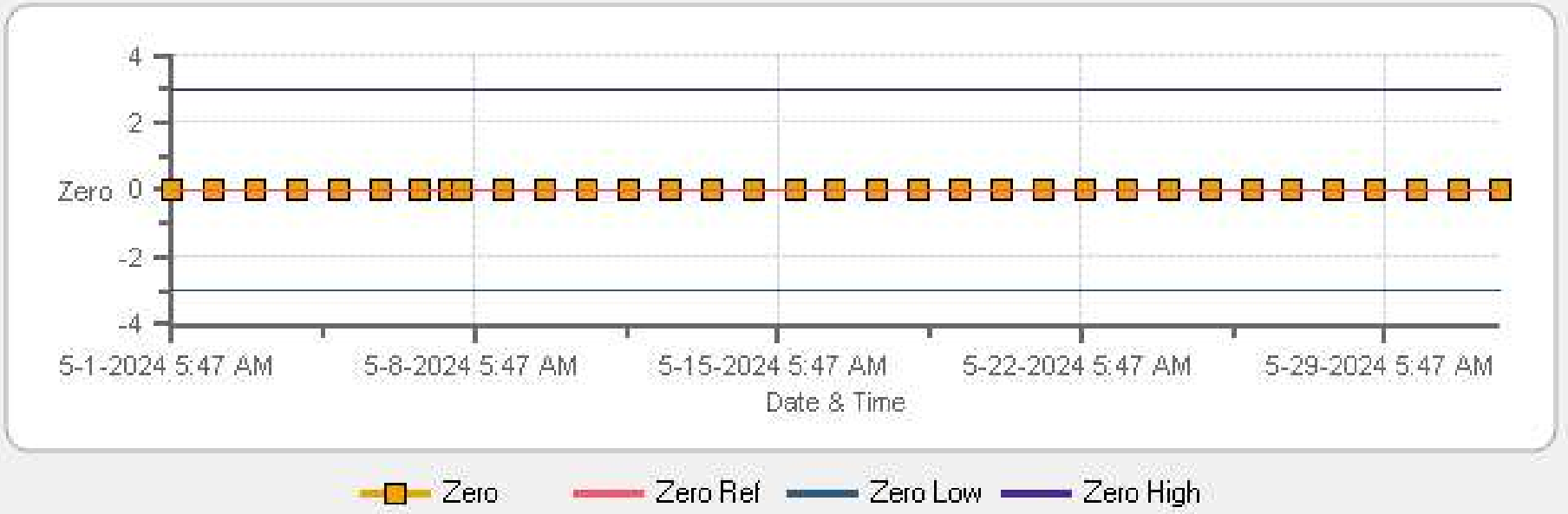
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero



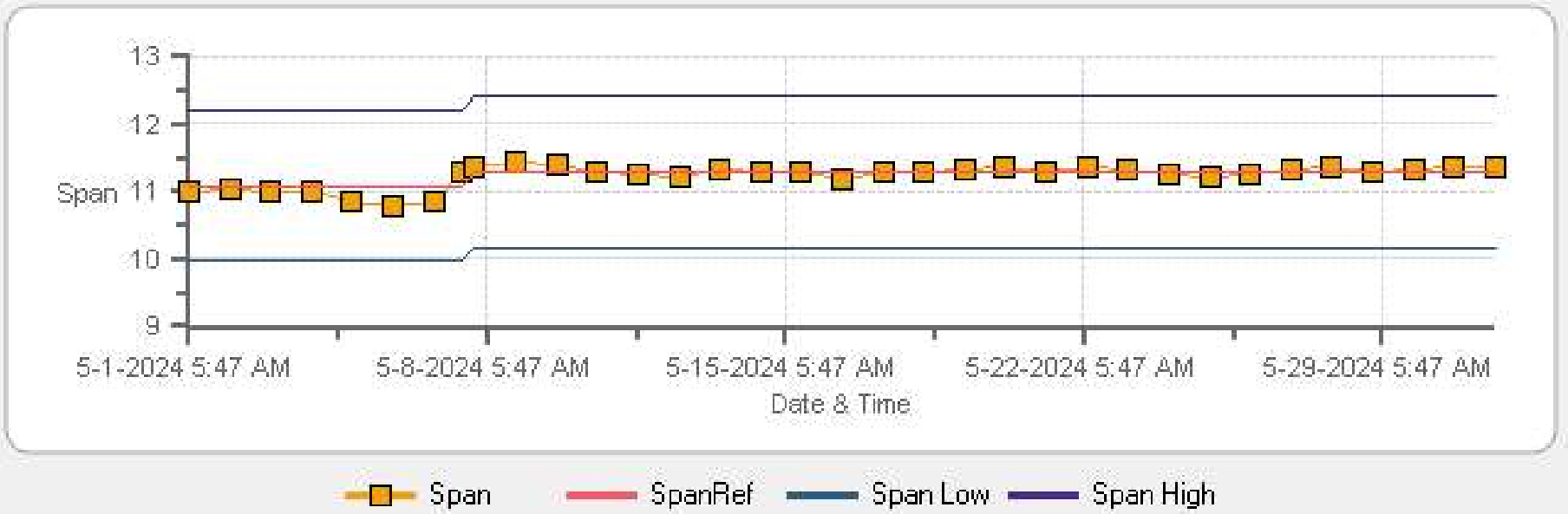
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 05-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	07-May-2024	PREVIOUS CALIBRATION DATE:	02-Apr-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Grimshaw	BAROMETRIC (mBar):	935
PURPOSE	Routine	START TIME (MST):	08:13
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:11

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	477
INITIAL		FINAL	
BKG/OFFSET	33.2	BKG/OFFSET	33.7
COEF/SLOPE	0.945	COEF/SLOPE	0.942
Expected (reference) Value	260.3	Expected (reference) Value	260.8

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	1100	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

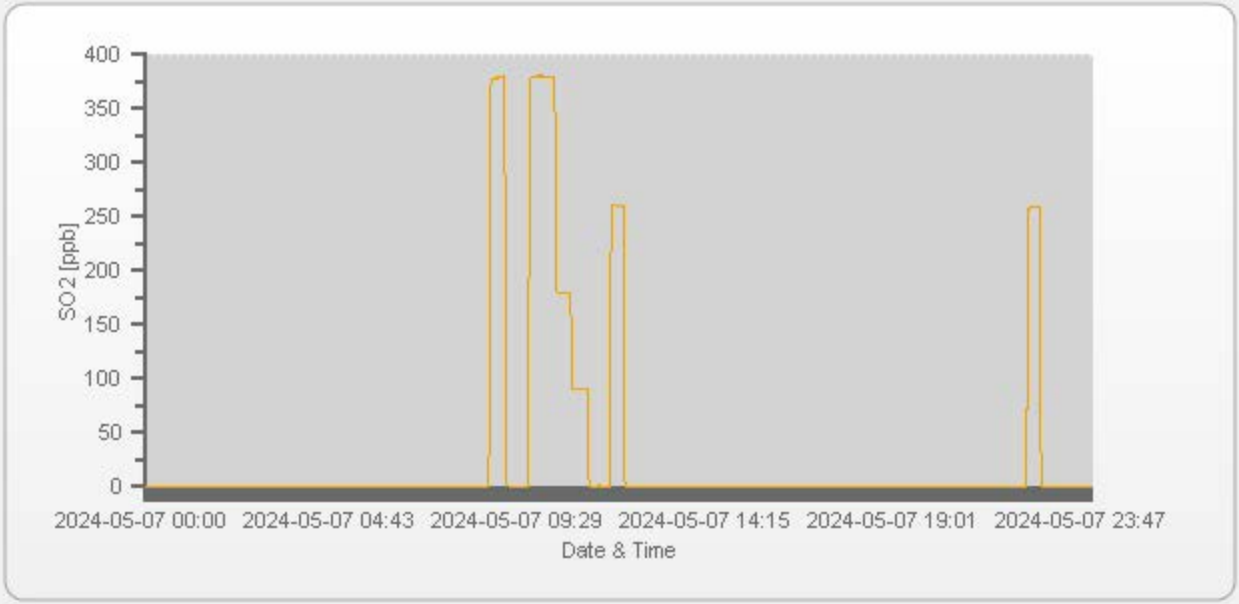
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.3	0		
3938	60.80	3999	380.10	379.3	380	1.003	1.000
3971	28.80	4000	180.00	n/a	179.7	n/a	1.002
3987	14.40	4001	89.98	n/a	90.1	n/a	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.0%

COMMENTS:

Sample filter changed.


SO2[ppb] Station: AQHI Grimshaw Daily: 2024-05-07 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-05-07 00:00
2024-05-07 04:43
2024-05-07 09:29
2024-05-07 14:15
2024-05-07 19:01
2024-05-07 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	07-May-2024	PREVIOUS CALIBRATION DATE:	02-Apr-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.003
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Grimshaw	BAROMETRIC (mBar):	935
PURPOSE	Routine	START TIME (MST):	08:13
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	12:11

ANALYZER:

MAKE/MODEL	Teledyne T100U	RANGE	100 ppb
SERIAL #	132	FLOW (mL/min)	543
INITIAL		FINAL	
BKG/OFFSET	66.4	BKG/OFFSET	66.9
COEF/SLOPE	0.671	COEF/SLOPE	0.688
Expected (reference) Value	48.06	Expected (reference) Value	47.29

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.04	0		
3968	30.90	3999	77.96	75.4	78.06	1.033	0.999
3985	15.10	4000	38.09	n/a	37.6	n/a	1.013
3994	7.50	4001	18.91	n/a	18.33	n/a	1.032

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.003	-0.4%

COMMENTS:

Converter, CDNova CDN-101 #576.

TRS[ppb] Station: AQHI Grimshaw Daily: 2024-05-07 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-05-07 00:00
2024-05-07 04:46
2024-05-07 09:34
2024-05-07 14:23
2024-05-07 19:11
2024-05-07 23:56
Date & Time
TRS [ppb]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

DATE:	07-May-2024	PREVIOUS CALIBRATION DATE:	02-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Grimshaw	BAROMETRIC (mBar):	935
PURPOSE	Routine	START TIME (MST):	08:13
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:31

ANALYZER:

MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
SERIAL #:	837	NOx	0.999
FLOW (mL/min)	441	NO	0.998
RANGE (ppb)	500	NO2	1.002
GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:		FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	EY0001716	HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	49.2 / 49.4	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	650	LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Nov-2029	LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.1	0.2	n/a	BKG/OFFSET:	1.3	-0.6	n/a
SLOPE/COEF/CE:	0.987	0.987	0.996	SLOPE/COEF/CE:	0.993	0.989	0.996

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	311.3	1.2	310.2		309.1	1.7	307.4

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	395	250	240-275	n/a
MID	180	154	150-157	Mid
LOW	90	54	50-58	Low
EXTRA 1	n/a	340	300-370	High

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
5000		5000	0.0	0.0	0.0	-0.5	1.4	1.9	0.0	0.0	0.0						
4959	40.10	4999	394.7	396.3	1.6	390.2	390.2	0.1	393.4	398.6	5.2	1.010	1.019		1.003	0.994	
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	179.2	179.5	0.3	n/a	n/a		1.005	1.007	
4991	9.20	5000	90.5	90.9	0.4	n/a	n/a	n/a	89.7	89.7	-0.1	n/a	n/a		1.009	1.013	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	40.20	5000	0	394.5	395.5	1.1				
AS-FOUND HIGH	40.20	5000	260	133.1	396.3	263.2	261.4	262.1	0.997	100.27%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	40.20	5000	153	241.0	397.5	156.5	153.5	155.4	0.988	101.24%
LOW	40.20	5000	56	343.5	396.1	52.6	51	51.5	0.990	100.98%
NO2 adjustment not required.									AVERAGE:	100.83%

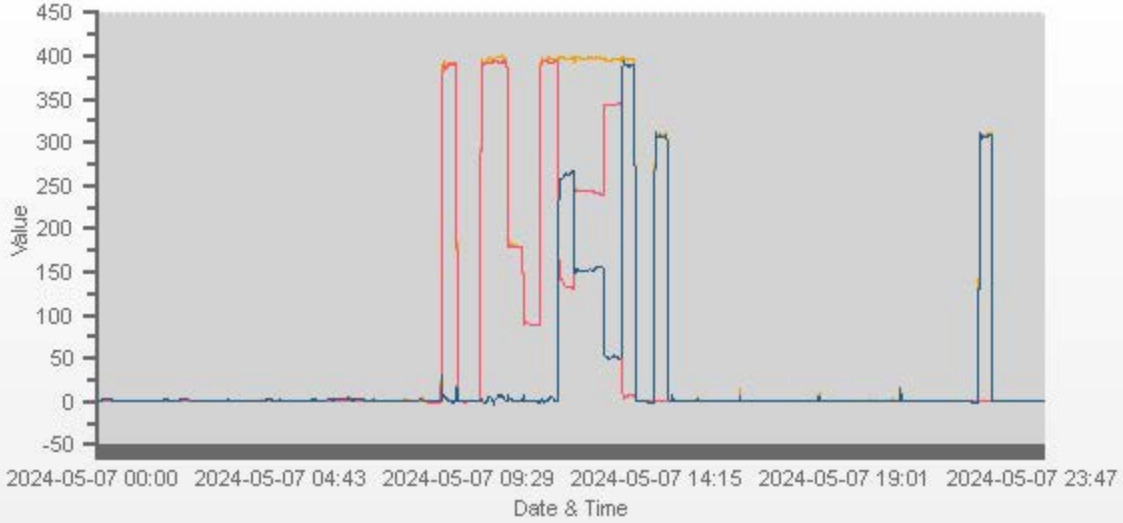
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	0.997	-0.06%
NOx	1.000	1.007	-0.24%
NO2	1.000	1.001	0.18%

COMMENTS:

Sample filter changed.
Extra point for O3. Setpoint = 380, NO drop (O3) = 387.6

Station: AQHI Grimshaw Daily: 2024-05-07 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	07-May-2024	PREVIOUS CALIBRATION DATE:	02-Apr-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	24.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	13:49
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:52

ANALYZER:

MAKE/MODEL	Teledyne T400	RANGE	500 ppb
SERIAL #	824	FLOW (mL/min)	751
INITIAL		FINAL	
BKG/OFFSET	-1.2	BKG/OFFSET	-1.5
COEF/SLOPE	0.992	COEF/SLOPE	1.001
Expected (reference) Value	267.6	Expected (reference) Value	271.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	26801218	ID:	80
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	07-May-2024	GPT END TIME:	13:40

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
RANGE	300 - 400	150 - 200	50 - 100

CALIBRATION:

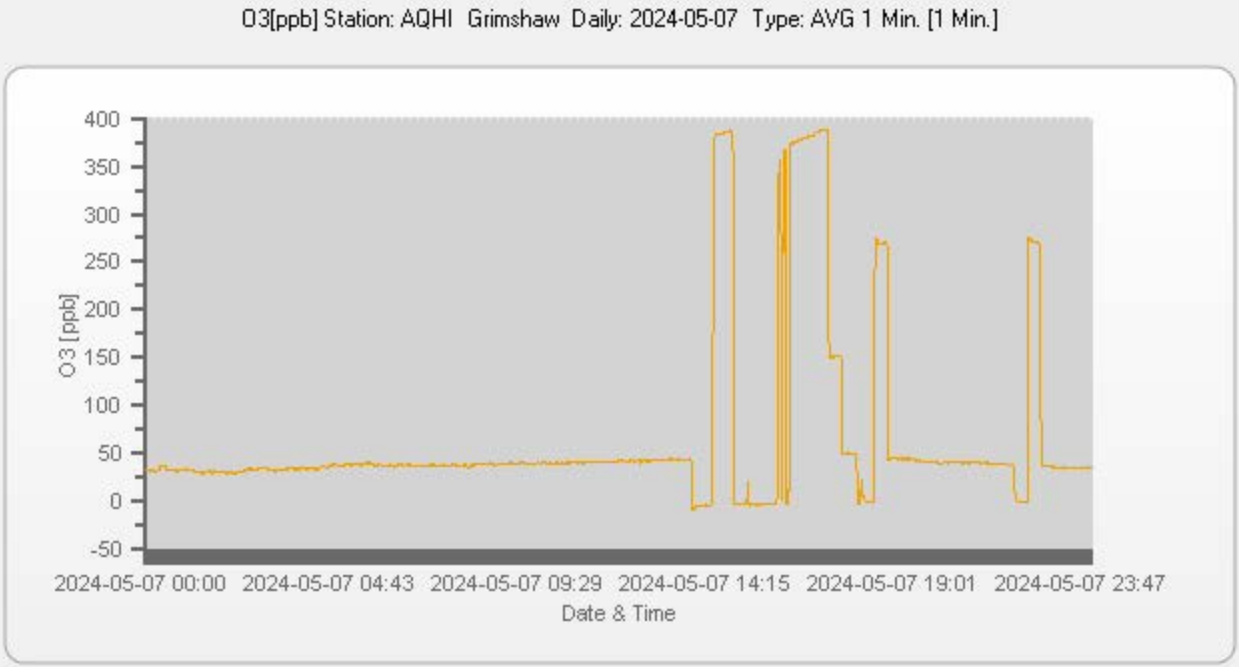
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000		5000	0.0	-1.3	0.0		
5000		5000	387.6	388.1	388.9	0.995	0.997
5000		5000	153.5	n/a	153.9	n/a	0.997
5000		5000	51.0	n/a	52.3	n/a	0.975

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.1%

COMMENTS:

Sample filter changed
16:01-16:20- Corrected Calibration line due to low response


O3[ppb] Station: AQHI Grimshaw Daily: 2024-05-07 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
O3 [ppb]
2024-05-07 00:00
2024-05-07 04:43
2024-05-07 09:29
2024-05-07 14:15
2024-05-07 19:01
2024-05-07 23:47
Date & Time
O3 [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	07-May-2024	PREVIOUS CALIBRATION DATE:	19-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	20.9
LOCATION:	Grimshaw	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	11:43
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:23

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1123
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.998	0.999	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	1000		LOW ID:	n/a
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.08	11.09	21.16		10.30	11.28	21.58

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
2999		2999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
2950	48.70	2999	14.57	13.44	28.01	14.13	13.03	27.21	14.58	13.52	28.09	1.031	1.032	1.029	0.999	0.994	0.997
2975	24.30	2999	7.27	6.71	13.98	n/a	n/a	n/a	7.40	6.81	14.21	n/a	n/a	n/a	0.982	0.985	0.983
2987	12.20	2999	3.65	3.37	7.02	n/a	n/a	n/a	3.77	3.46	7.23	n/a	n/a	n/a	0.968	0.973	0.970

LINEAR REGRESSION ANALYSIS:

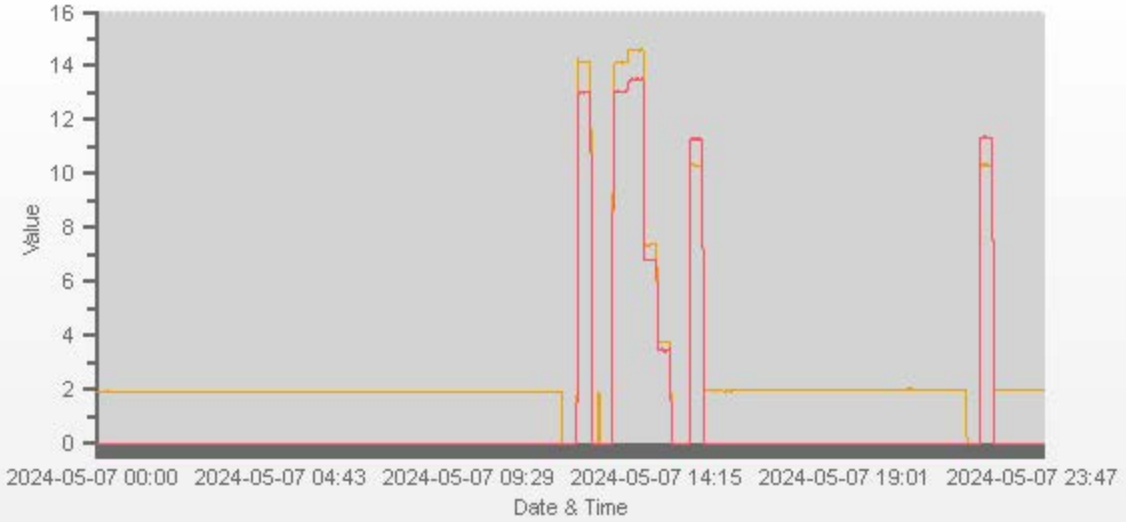
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.999	0.4%
NMHC	1.000	1.005	0.2%
THC	1.000	1.001	0.3%

Comments:

H2 = AMA HG300 #190567059
Sample Filter Changed

Use Zero Chrom? **No**

Station: AQHI Grimshaw Daily: 2024-05-07 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	May 7, 2024	April 2, 2024	**Weather Conditions:**	Clear	
Company:	PRAMP		**Start Time (mst):**	14:41	
Station:	Grimshaw		**End Time (mst):**	14:58	
Parameter:	PM 2.5		**Performed By/Reviewer:**	Kevin Sebastian	Chris Wesson
Instrument Data:					
Make/Model:	Teledyne T640		**Serial Number:**	318	
Owner:	PRAMP		**Alarms (detail in comments):**	No	
Reference Standards/I.D./Expiry Date:					
Flow Standard:	Deltacal DC1 #201587, Exp Dec 19, 2024		**Temperature:**	Deltacal DC1 #201587, Exp Dec 19, 2024	
Digital Manometer:	Deltacal DC1 #201587, Exp Dec 19, 2024		**Pressure:**	Deltacal DC1 #201587, Exp Dec 19, 2024	

DIAGNOSTICS:

Ambient Pressure (mmHg)	702.9	Ambient Temp (°C)	17.0	ASC Heater Duty (%)	0.0
Box Temp (°C)	28.4	Current PMT HV (V)	1528	LED Temp (°C)	37.00
P3 Value	49	PMT Setting (V)	1532	Pump PWM (%)	59
Sample Flow (L/min)	5.05	Sample RH (%RH)	12.0	Sample Temp (°C)	26.7

Item:	As-found		As-left		Tolerance
	Reference	T640x	Reference	T640x	
Zero Test (Leak Check)	PM10	0.0	0	0.0	0.0 to 0.2
	PM2.5	0.0	0	0.0	
Ambient Pressure (mmHg)	703.0	702.9	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	16.10	17	n/a		+/- 2°C
Sample Flow (L/min)	5.00	5.02	n/a	n/a	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
Additional Monthly Maintenance :					***Completed***
				Inlet cleaned?	Yes
				Sample tubing inspected (inner and outer)?	Yes

Comments:

n/a

Meteorological System Checklist

Date:	May 7, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP Grimshaw		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Vaisala	HMP155	N2910506
Barometric Pressure Sensor:	MetOne	92	A2397
Relative Humidity Sensor:	Vaisala	HMP155	N2910506
Anemometer:	RM Young	05305AQ	174801
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	April 2, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	16.8		
Station - Ambient Temperature (°C):	16.2		
Temperature Difference (°C):	0.6		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	April 2, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	936	
Station Pressure - Units/Reading:	millibar	937	
Pressure Tolerance +/- 15% of error:	796 - 1076	-0.11%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	April 2, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	22.30		
Station Hygrometer % RH- Reading:	20.90		
RH Tolerance +/- 15% of difference:	18.96 - 25.65	6.3%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	April 2, 2024	Previous check date:	April 2, 2024
Wind Speed Observed (kph):	>20	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	32.3	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Grimshaw	**Reviewed By:**	Limin Li
Audit Date:	August 2, 2023	**Start/End Time (mst):**	14:55 / 16:16
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with sunny breaks

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174801	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	July 12, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	29	333	1.0	-3.0	2.0
60	300	58	300	2.0	0.0	1.0
90	270	88	271	2.0	-1.0	1.5
120	240	119	237	1.0	3.0	2.0
150	210	149	206	1.0	4.0	2.5
180	180	178	177	2.0	3.0	2.5
210	150	206	148	4.0	2.0	3.0
240	120	238	119	2.0	1.0	1.5
270	90	272	87	-2.0	3.0	2.5
300	60	304	57	-4.0	3.0	3.5
330	30	333	30	-3.0	0.0	1.5
355	0	354	1	1.0	1.0	1.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.0**

Comments:

Declination = 15 deg East
Horizontal bearings replaced.
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202405-01698

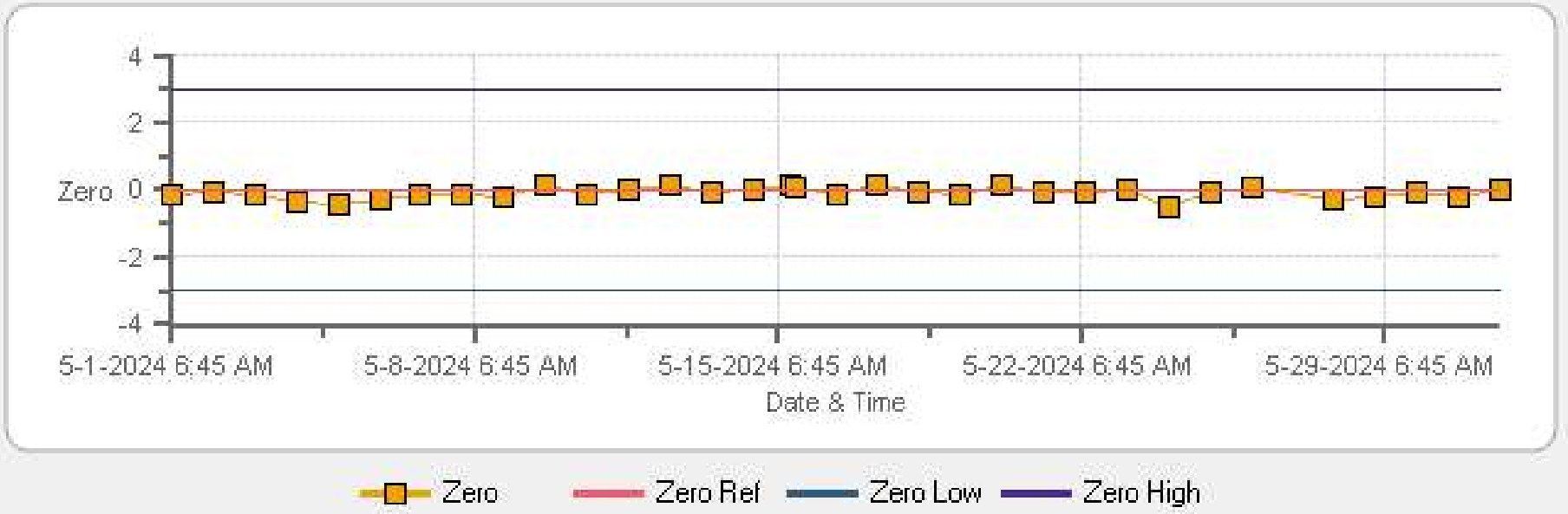
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

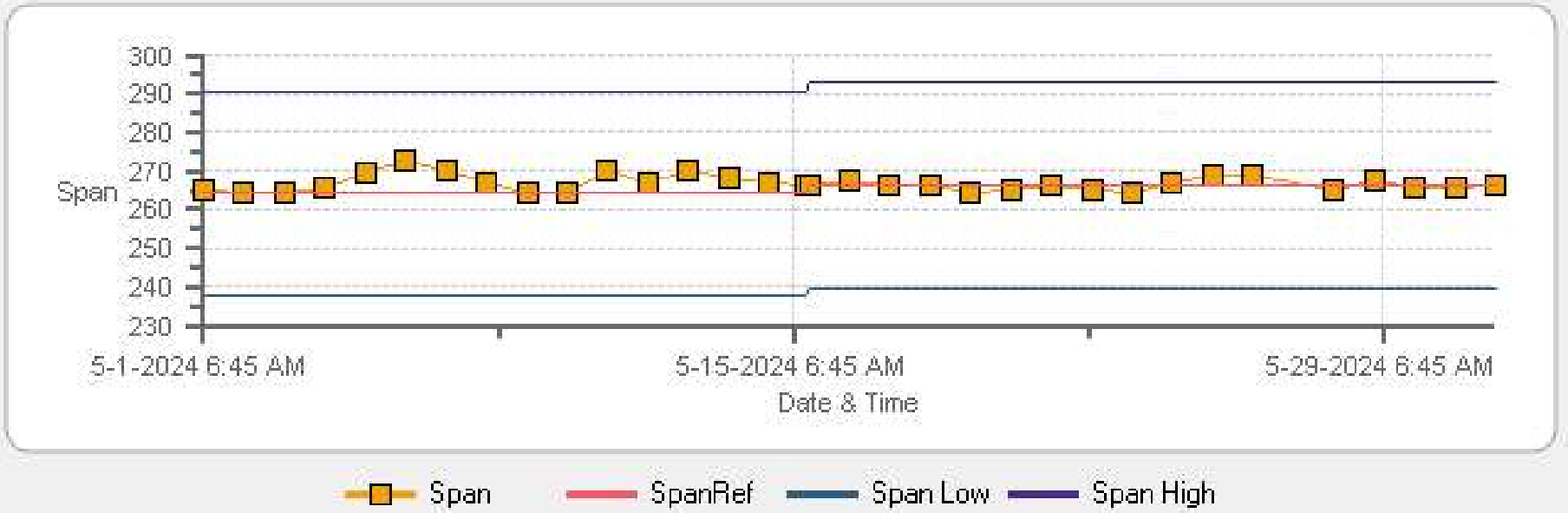
June 5, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

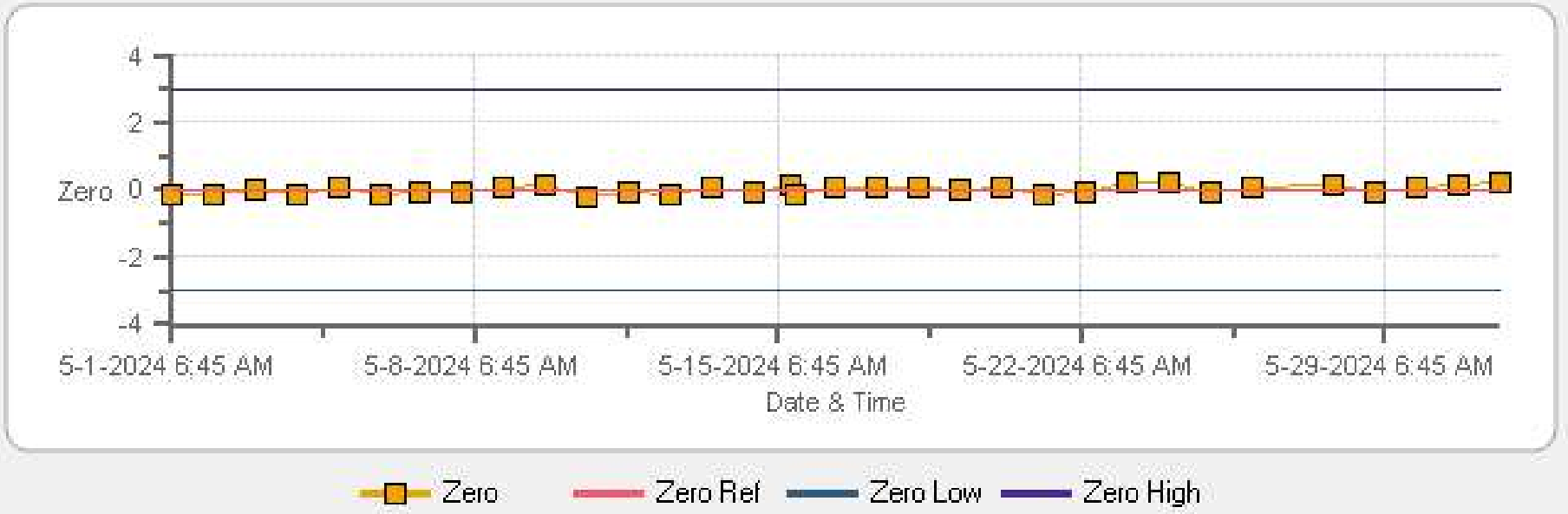
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero



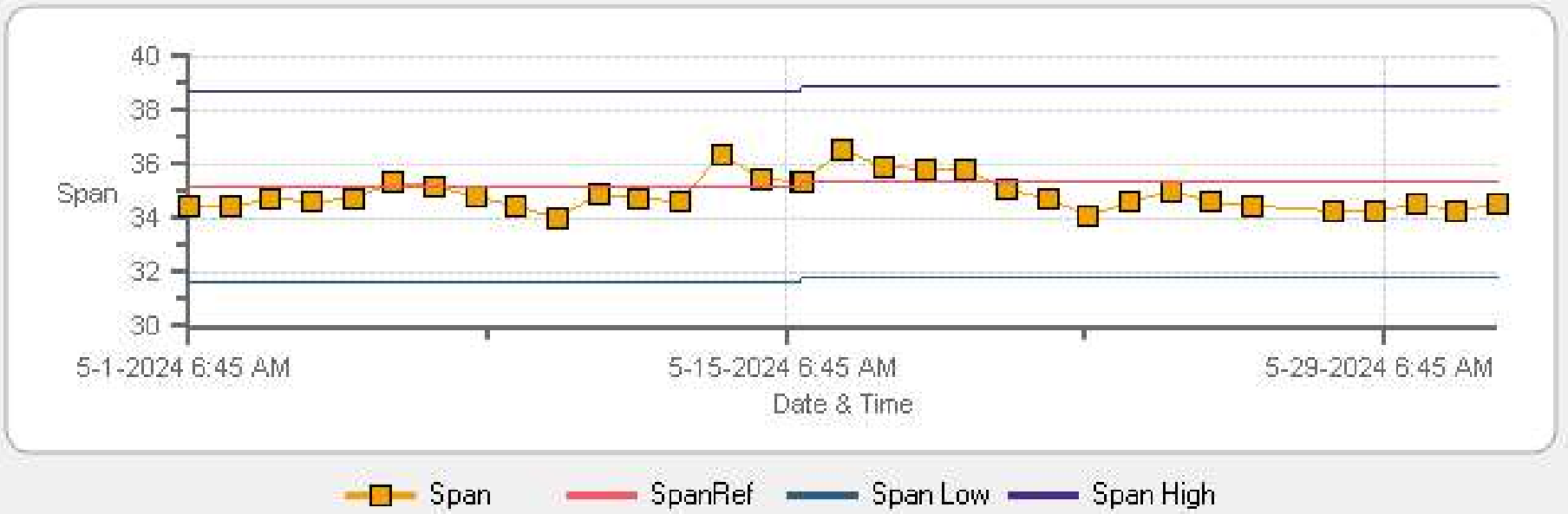
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span



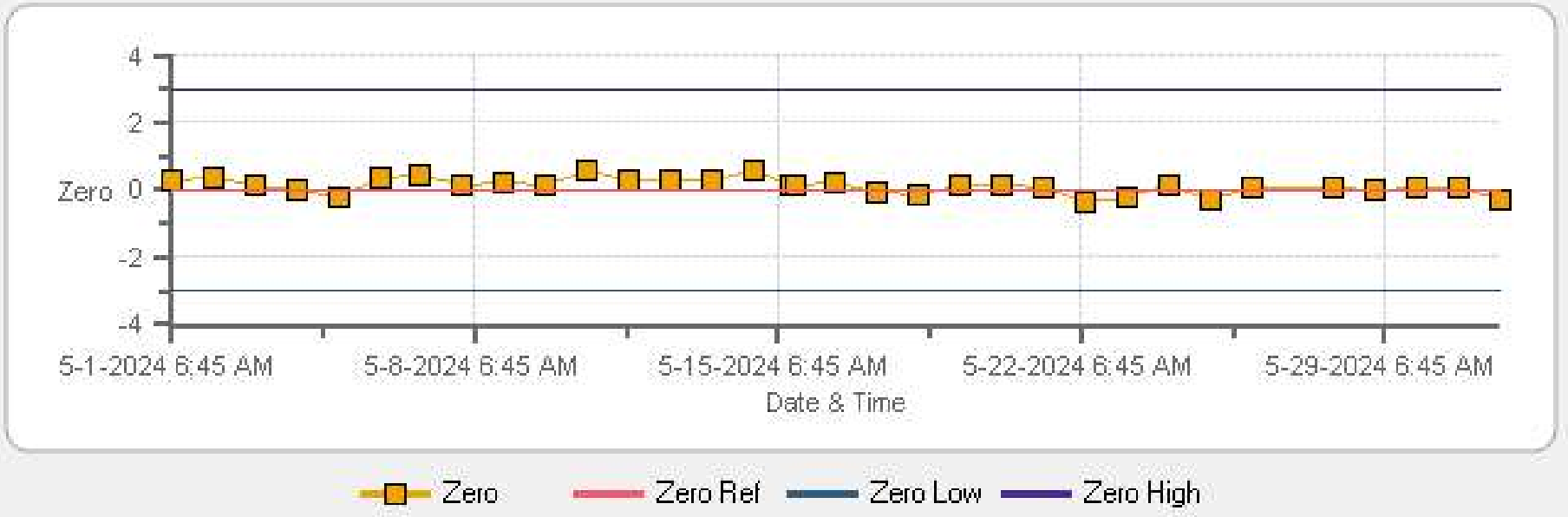
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero



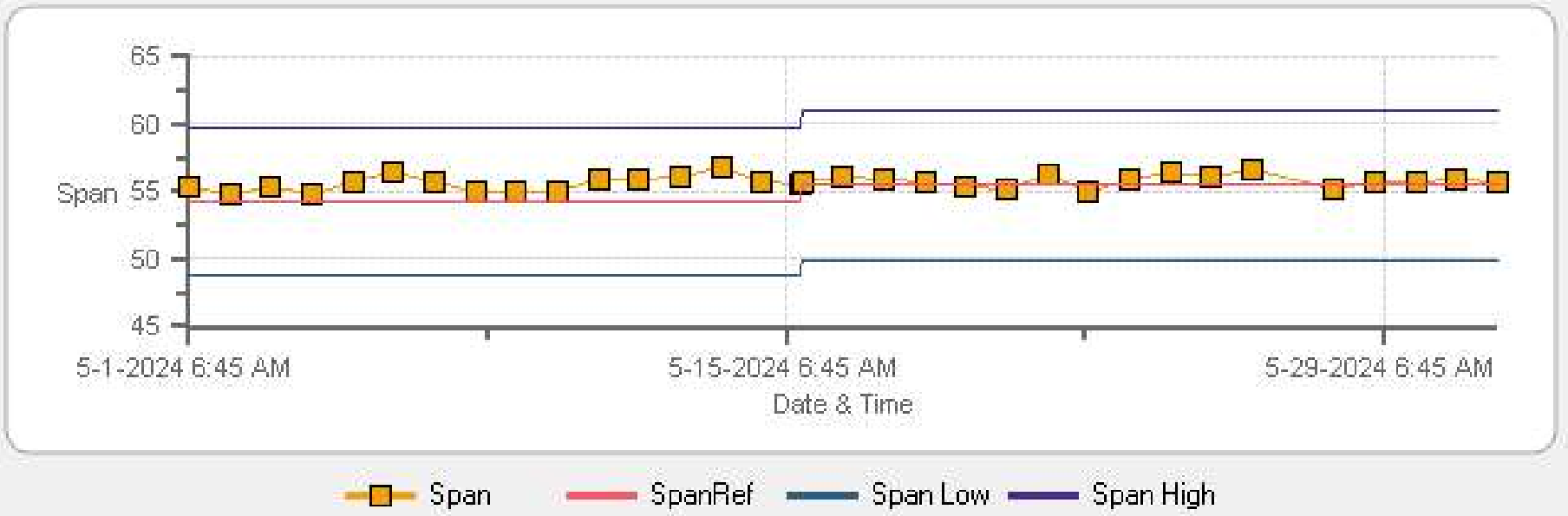
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span

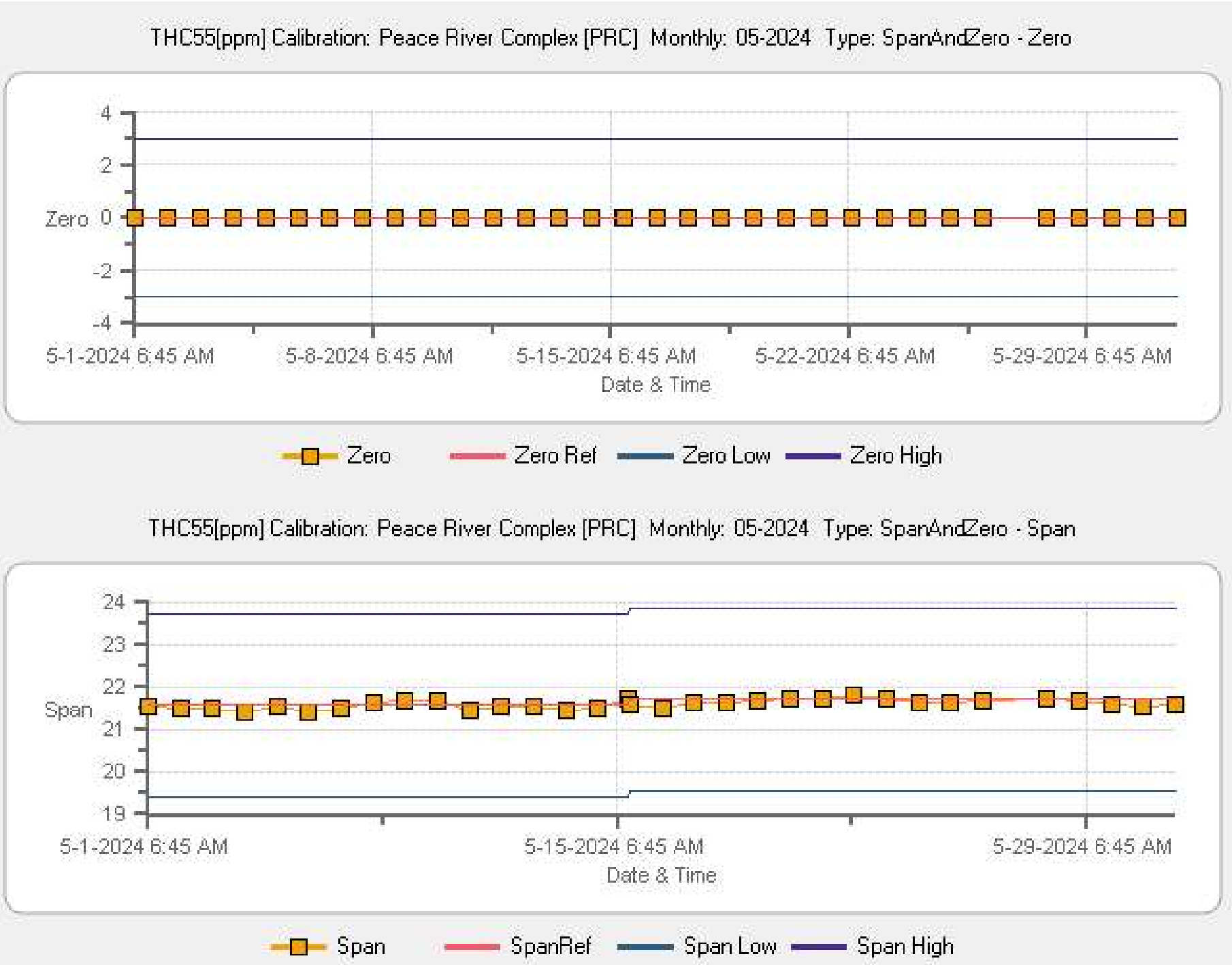


TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero

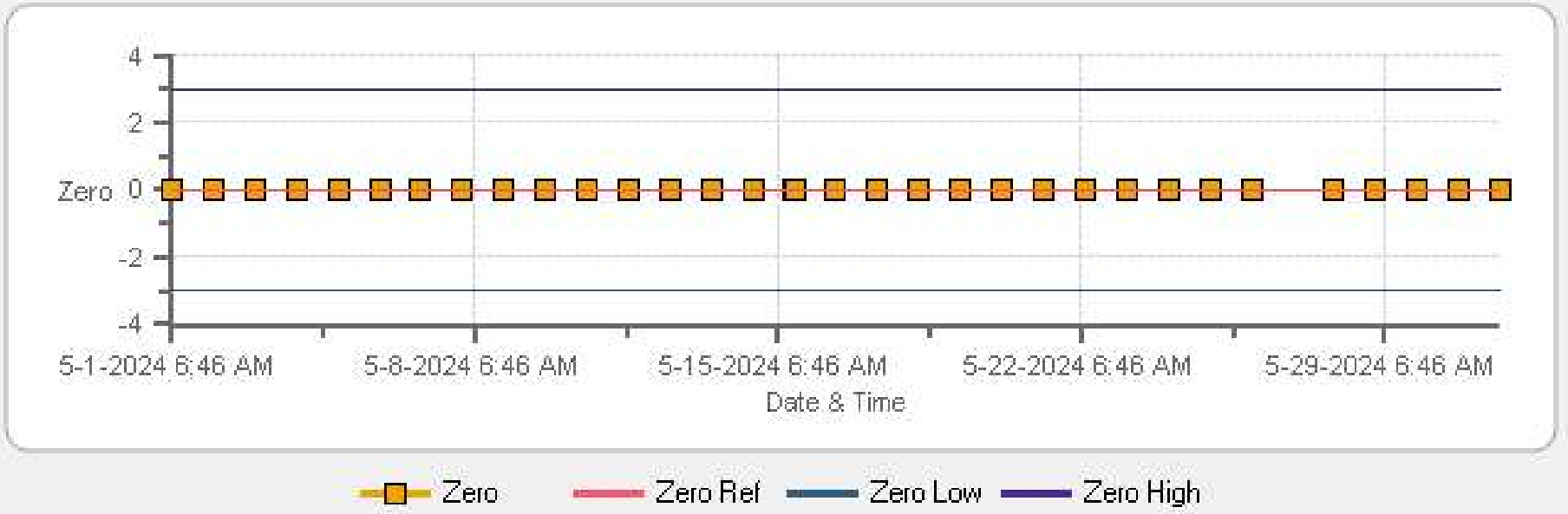


TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span

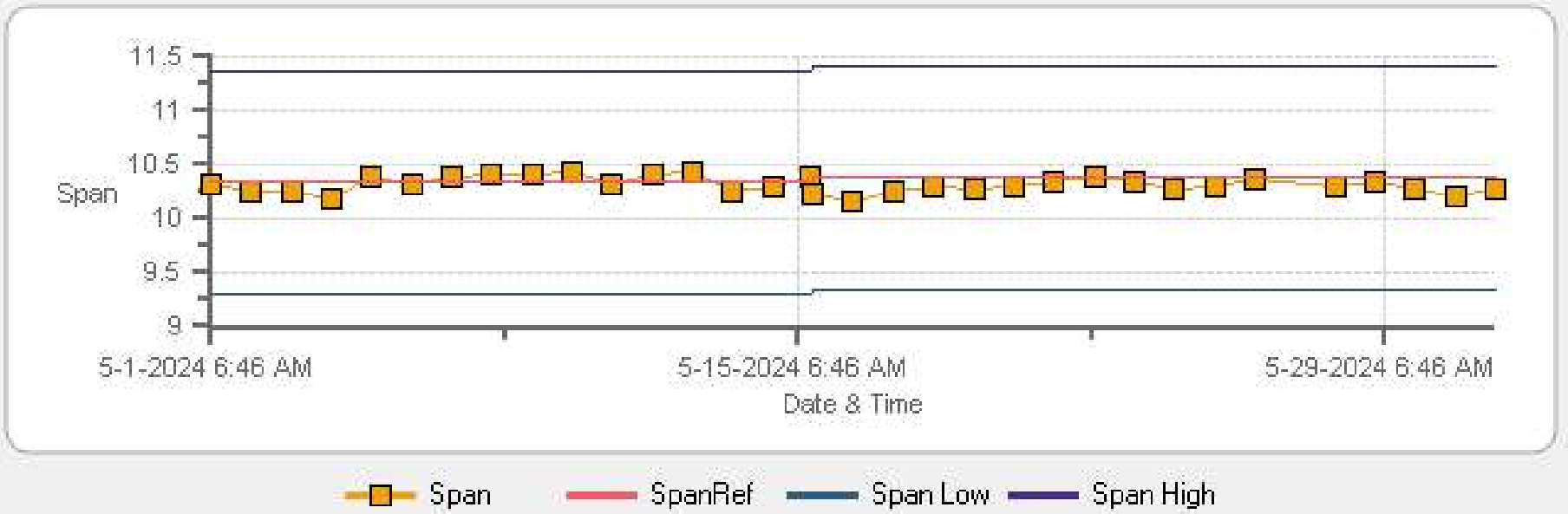


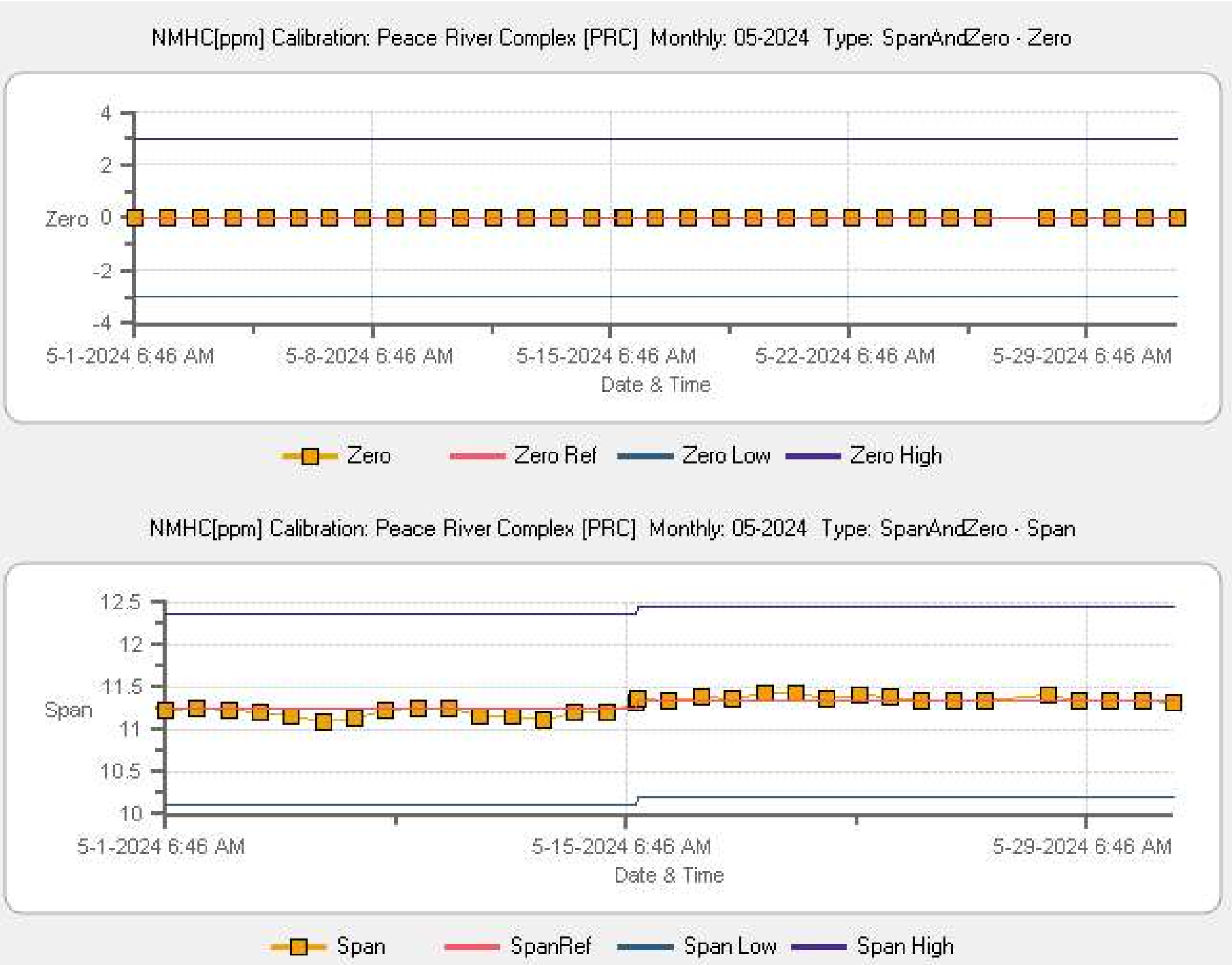

THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
5-1-2024 6:45 AM
5-8-2024 6:45 AM
5-15-2024 6:45 AM
5-22-2024 6:45 AM
5-29-2024 6:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span
24
23
22
Span
21
20
19
5-1-2024 6:45 AM
5-15-2024 6:45 AM
5-29-2024 6:45 AM
Date & Time
Span
SpanRef
Span Low
Span High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero



CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span




NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
5-1-2024 6:46 AM
5-8-2024 6:46 AM
5-15-2024 6:46 AM
5-22-2024 6:46 AM
5-29-2024 6:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 05-2024 Type: SpanAndZero - Span
12.5
12
11.5
Span
11
10.5
10
5-1-2024 6:46 AM
5-15-2024 6:46 AM
5-29-2024 6:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	15-May-2024	PREVIOUS CALIBRATION DATE:	10-Apr-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	19.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:41
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:57

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	437
INITIAL		FINAL	
BKG/OFFSET	20.6	BKG/OFFSET	20.7
COEF/SLOPE	1.165	COEF/SLOPE	1.158
Expected (reference) Value	264.3	Expected (reference) Value	266.5

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL109693	HIGH ID	n/a
CONC (ppm):	25.00	EXPIRY DATE	n/a
CYLINDER (psi):	900	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	-0.1	0		
3938	60.80	3999	380.10	381.1	380.1	0.997	1.000
3970	28.80	3999	180.05	n/a	179.9	n/a	1.001
3985	14.40	3999	90.02	n/a	90.8	n/a	0.991

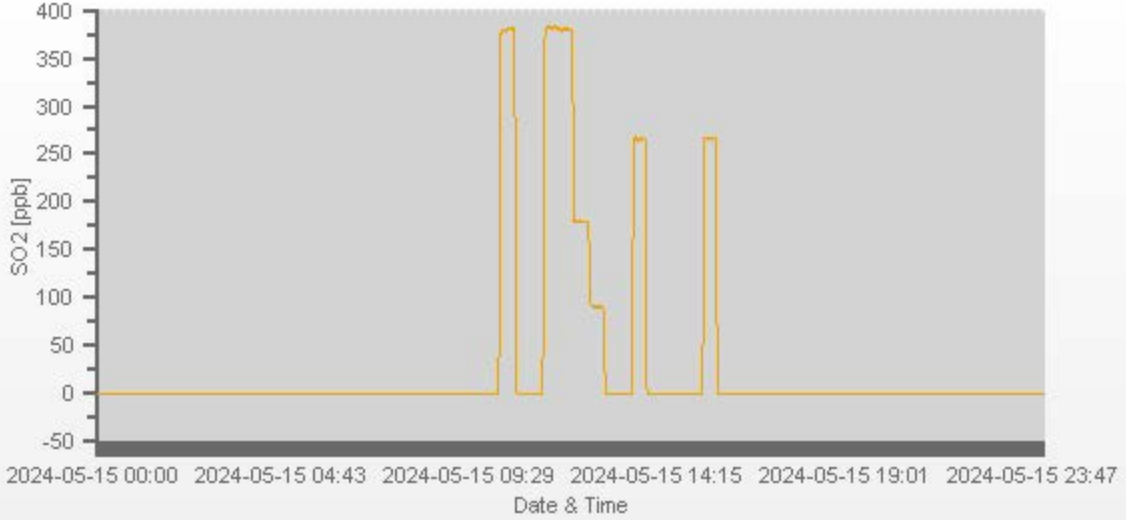
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.1%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: Peace River Complex [PRC] Daily: 2024-05-15 Type: AVG 1 Min. [1 Min.]



H2S Analyzer Calibration by Dilution

DATE:	15-May-2024	PREVIOUS CALIBRATION DATE:	10-Apr-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	19.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:41
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:57

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	926
INITIAL		FINAL	
BKG/OFFSET	15.9	BKG/OFFSET	16.2
COEF/SLOPE	1.08	COEF/SLOPE	1.088
Expected (reference) Value	35.2	Expected (reference) Value	35.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

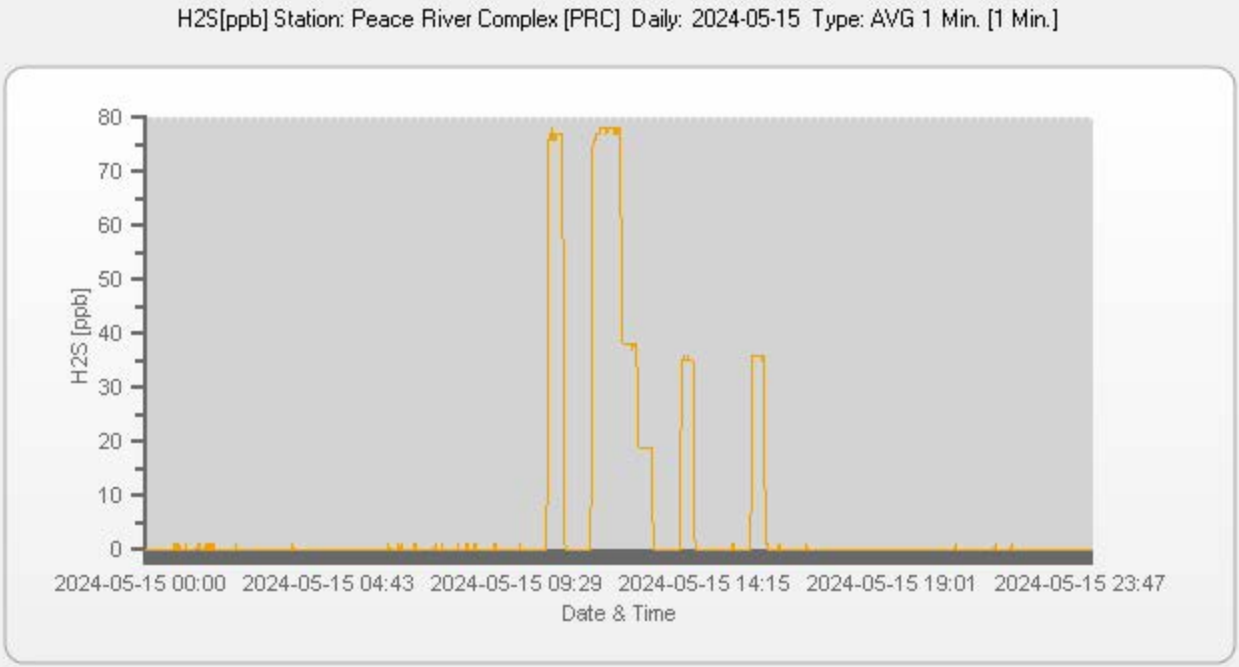
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.1	0		
3968	30.90	3999	77.96	77.2	77.6	1.011	1.005
3984	15.10	3999	38.10	n/a	37.9	n/a	1.005
3992	7.50	3999	18.92	n/a	19.1	n/a	0.991

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.994	0.1%

COMMENTS:

Sample filter changed


H2S[ppb] Station: Peace River Complex [PRC] Daily: 2024-05-15 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
H2S [ppb]
2024-05-15 00:00
2024-05-15 04:43
2024-05-15 09:29
2024-05-15 14:15
2024-05-15 19:01
2024-05-15 23:47
Date & Time
H2S [ppb]

TRS Analyzer Calibration by Dilution

DATE:	15-May-2024	PREVIOUS CALIBRATION DATE:	10-Apr-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.988
CLIENT:	PRAMP	TEMPERATURE (°C):	19.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:57

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	690
INITIAL		FINAL	
BKG/OFFSET	29.5	BKG/OFFSET	30.3
COEF/SLOPE	1.102	COEF/SLOPE	1.1
Expected (reference) Value	54.29	Expected (reference) Value	55.49

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	15-Mar-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1300	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.77	0		
3968	30.90	3999	77.96	78.86	78.37	0.998	0.995
3984	15.10	3999	38.10	n/a	38.04	n/a	1.002
3992	7.50	3999	18.92	n/a	19.8	n/a	0.956

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.3%

COMMENTS:

TRS Converter CDNOVA CDN-101 #516

TRS[ppb] Station: Peace River Complex [PRC] Daily: 2024-05-15 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-05-15 00:00
2024-05-15 04:46
2024-05-15 09:34
2024-05-15 14:23
2024-05-15 19:11
2024-05-15 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	15-May-2024	PREVIOUS CALIBRATION DATE:	10-Apr-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	19.0
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:41
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:18

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1034745845	1095
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.000	1.001	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	80	CYLINDER (psi):	900		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Mar-2024	OXIDIZER ID:	Internal	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.8
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.8

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.34	11.24	21.58		10.38	11.33	21.71

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3094		3094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3048	50.30	3098	14.56	13.44	28.00	14.68	13.61	28.28	14.61	13.49	28.10	0.992	0.987	0.990	0.997	0.996	0.997
3075	25.10	3100	7.26	6.70	13.96	n/a	n/a	n/a	7.31	6.73	14.04	n/a	n/a	n/a	0.994	0.996	0.995
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.64	3.37	7.02	n/a	n/a	n/a	1.002	0.999	0.999

LINEAR REGRESSION ANALYSIS:

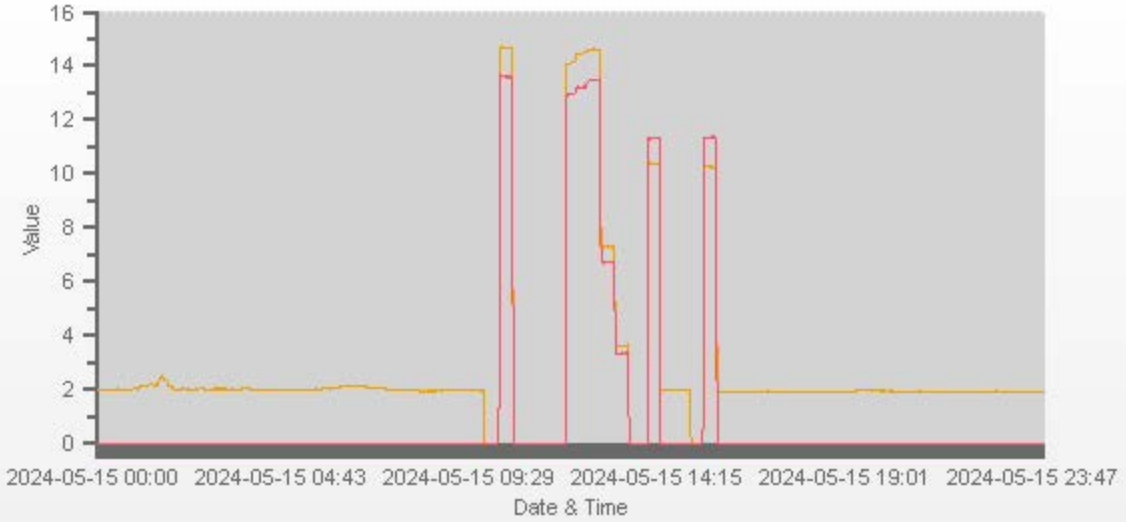
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.004	0.0%
NMHC	1.000	1.004	0.0%
THC	1.000	1.004	0.0%

Comments:

Filter Change - No Issues
H2 = AMA HG300 #211067076
H2 Dessicant Changed

Use Zero Chrom? **No**

Station: Peace River Complex [PRC] Daily: 2024-05-15 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	May 15, 2024		
Technician:	Kevin Sebastian		
Station:	Peace River Compliance		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-S3	20558318
Barometric Pressure Sensor:	MetOne	092	B19577
Relative Humidity Sensor:	Rotronic	HC2-S3	20558318
Anemometer:	RM Young	05305VK	129612
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	April 10, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	13.3		
Station - Ambient Temperature (°C):	13.0		
Temperature Difference (°C):	0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	April 10, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	934	
Station Pressure - Units/Reading:	millibar	936	
Pressure Tolerance +/- 15% of error:	794 - 1074	-0.21%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	April 10, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	47.60		
Station Hygrometer % RH- Reading:	51.50		
RH Tolerance +/- 15% of difference:	40.46 - 54.74	-8.2%	

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	0~5	Wind Direction Observed:	SE
Wind speed on Data Logger (kph):	4.6	Wind Direction on Data Logger:	SE
		Wind Direction Pass/Fail?:	Pass

Comments

No issues.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	PRC Compliance	**Reviewed By:**	Limin Li
Audit Date:	August 3, 2023	**Start/End Time (mst):**	10:40 / 11:32
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly cloudy with drizzle

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	0-1
Sensor Model:	05305VK	**Velocity Unit Output Range:**	0-200
Serial #:	129612	**Direction Voltage Output Range:**	0-1
Previous Cal/Audit Date:	August 17, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.1	0.1	-
1000	18.4	18.6	18.5	0.994
2000	36.9	37.1	37.0	0.995
3000	55.3	55.5	55.4	0.997
4000	73.7	74.0	73.8	0.998
5000	92.2	92.5	92.4	0.997
6000	110.6	111.0	111.0	0.996
7000	129.0	129.6	129.6	0.995
8000	147.4	148.0	148.3	0.995
9000	165.9	166.7	166.6	0.995
10000	184.3	185.3	185.3	0.995
		The audit meets AMD requirements.	**Average Correction Factor=**	**0.996**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	0	352	0.0	3.0	1.5
30	330	31	328	-1.0	2.0	1.5
60	300	59	298	1.0	2.0	1.5
90	270	90	270	0.0	0.0	0.0
120	240	120	240	0.0	0.0	0.0
150	210	151	210	-1.0	0.0	0.5
180	180	180	180	0.0	0.0	0.0
210	150	211	150	-1.0	0.0	0.5
240	120	241	120	-1.0	0.0	0.5
270	90	271	91	-1.0	-1.0	1.0
300	60	299	59	1.0	1.0	1.0
330	30	328	29	2.0	1.0	1.5
355	0	353	1	2.0	1.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**0.8**

Comments:

Declination = 15 deg East
Physical inspection completed, bearings replaced

END OF REPORT

Peace River Area Monitoring Program

MAY 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202405-INTEGRATED

June 18, 2024

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Peace River Area Monitoring Program
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Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

June 18, 2024

Alberta Environment and Protected Areas (EPA)
11th Floor, Oxbridge Place
9820 106 Street
Edmonton, AB, T5K 2J6

RE: PRAMP –May 2024 Monthly Ambient Air Quality Monitoring Integrated Sampling Report

Enclosed is the May 2024 Monthly Ambient Air Quality Monitoring Integrated Sampling Report for the Peace River Area Monitoring Program's (PRAMP) regional air quality monitoring network. This report summarizes monitoring data for samples collected using integrated methods, including volatile organic compounds (NMHC canister sampling program), hydrogen sulphide, and sulphur dioxide (passive sampling program).

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
Suite 91, 305 – 4625 Varsity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca

This report has been prepared, reviewed and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility Operating Approvals.

NETWORK STATION SUMMARY

Listing of Integrated Sampling Stations

- 986-C Station
- 842-B Station
- Reno-B Station
- Peace River Complex (PRC) Station

Station Name	986-C	842-B	Reno-B	PRC
Station ID	1562	1561	1563	1698
Coordinates	56.36980, -116.92500	56.27406, -116.98129	55.86936, -117.05739	56.38257, -116.769283
NMHC Canister (VOCs)	√	√	√	
Passives: 2-Month exposure (PACs)	√			
Passives: 1-Month Exposure (H_2S, SO_2)				√

Listing of Passives: 1-Month Exposure Sampling Sites

Site ID	Latitude	Longitude
1	56.377841	-116.787142
2	56.378638	-116.780496
3	56.382958	-116.783813
4	56.377044	-116.794220
7	56.384796	-116.780488
8	56.388710	-116.771234
9	56.388943	-116.756205
10	56.388642	-116.797817
11	56.383771	-116.841165
12	56.388962	-116.885263
13	56.390972	-116.822083
14	56.424825	-116.853181

List of Contractors who performed the air monitoring activities

Sampling Program	Monitoring Activities Conducted By	Sample Analysis Conducted By	Data/Report Prepared By	Electronic Submission Conducted By
NMHC Canister (VOCs)	Bureau Veritas	InnoTech Alberta Inc	PRAMP	PRAMP
Passives: PACs	PRAMP	ECCC	AEP	AEP
Passives: H_2S, SO_2	PRAMP	Bureau Veritas	PRAMP	PRAMP

Monitoring Notes during the Month of May 2024

- **NMHC Canister Sampling Program - Volatile Organic Compounds (VOCs)**
  - The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
  - The canister sampling program was temporarily paused between May 13 and May 21 due to wildfire smoke. Starting May 10, intense wildfire smoke in the region caused NMHC concentrations to spike, resulting in PRAMP's canister systems being automatically activated to collect samples. The objective of the PRAMP canister program is to provide data and information about ambient hydrocarbon concentrations from local industrial sources. Collecting samples triggered by wildfire smoke is not within the intended scope of this component of the regional monitoring program. Therefore, the canister sampling program was paused pending dissipation of wildfire smoke and an improvement in air quality conditions.
  - One NMHC canister was collected on May 11 when the 5-minute average of NMHC concentration reached to 0.34ppm at 03:05. The canister sample started being collected at 03:10 for an hour.

- **Passive Polycyclic Aromatic Compounds (PACs) Sampling Program**
  - The PAC sampling program began in November 2019, and is designed to collect a 2-month integrated sample.
  - The sample media for sampling period of May and June were installed on April 30. They are scheduled to be removed by the end of June.

- **Passives H_2S and SO_2 Sampling Program**
  - There were no exceedances of the AAAQOs for all monitored parameters at any of the passive stations during this month.
  - The passive sample filters were installed at the stations on May 1 and were removed on June 1.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the Alberta's Ambient Air Quality Data Warehouse were made this month.

Deviations from Authorized Monitoring Methods

There were no deviations from authorized monitoring methods.

Certification

The report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

Lily Lin, Technical Program Manager, PRAMP Airshed

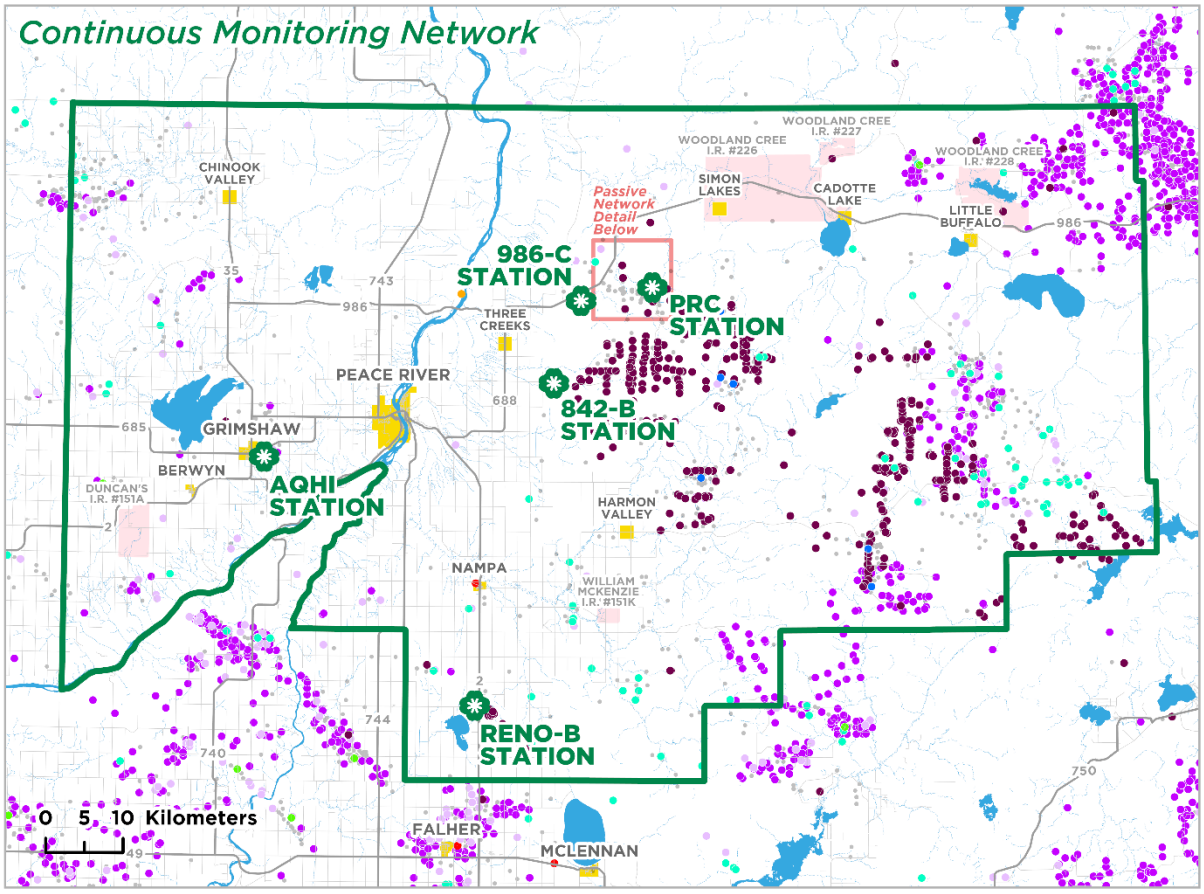
The report was reviewed by Mike Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements. I also certify that at the time of this report's submission, all air data have been electronically uploaded to Alberta ETS as required by the AMD.

Michael Bisaga, Technical Program Manager, PRAMP Airshed

June 18, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network

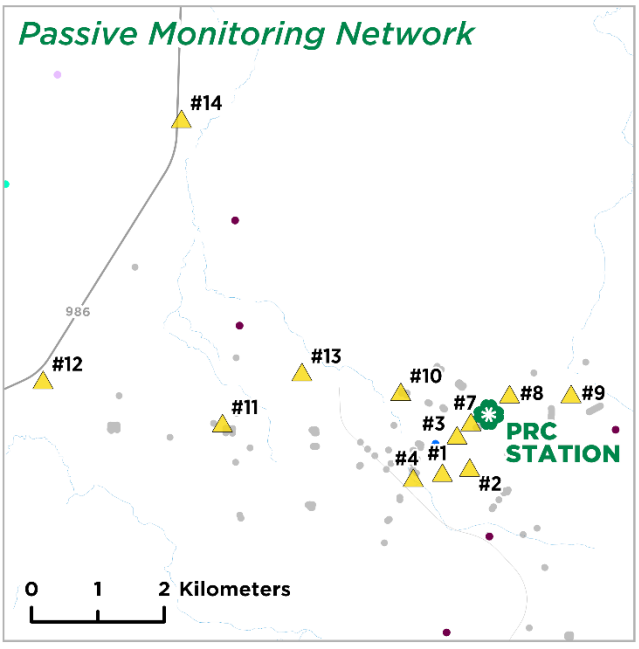


Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)



Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS

INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

Sample Date/Time	2024-05-11 @03:10							
Canister Sample	Non-methane Hydrocarbon							
Canister ID	28933							
Method	NA-025		Method	NA-024		Method	AC-058	
Maximum Reading (ppmv)	1.9	Methane	Maximum Reading (ppmv)	1.1	Carbonyl sulphide	Maximum Reading (ppmv)	10.00	Acetone

Sample Date/Time	2024-05-11 @03:10							
Canister Sample	Non-methane Hydrocarbon - BLANK							
Canister ID	A47802							
Method	NA-025		Method	NA-024		Method	AC-058	
Maximum Reading (ppmv)	-	-	Maximum Reading (ppmv)	-	-	Maximum Reading (ppmv)	0.06	Cyclohexane

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	<0.02	#4	<0.1	#4
Maximum (ppb)	0.17	#11	0.3	#3
Average (ppb)	0.11	-	0.18	-

ANALYTICAL SAMPLING RESULTS

NMHC Canisters – VOCs

peace river area monitoring program pramp

PEACE RIVER AREA MONITORING PROGRAM

Reno-B Station - May 2024

Volatile Organic Compounds (VOCs) Results

Sample Date/Time	2024-05-11 @03:10					
Canister Sample	Non-methane Hydrocarbon					
Canister ID	28933					
Method	**NA-025**		**Method**	**NA-024**		**Method**	**AC-058**	
Maximum Reading (ppmv)	**1.9**	**Methane**	**Maximum Reading (ppmv)**	**1.1**	**Carbonyl sulphide**	**Maximum Reading (ppmv)**	**10.00**	**Acetone**
Parameter	**Result (ppmv)**	**RDL (ppmv)**	**Parameter**	**Result (ppbv)**	**RDL (ppbv)**	**Parameter**	**Result (ppbv)**	**RDL (ppbv)**
1-Butene	< 0.16	0.15	2,5-Dimethylthiophene	< 0.5	0.5	1,1,1-Trichloroethane	< 0.03	0.03
Acetylene	< 0.13	0.12	2-Ethylthiophene	< 0.3	0.3	1,1,2,2-Tetrachloroethane	< 0.03	0.03
cis-2-Butene	< 0.07	0.06	2-Methylthiophene	< 0.3	0.3	1,1,2-Trichloroethane	< 0.03	0.03
Ethane	< 0.2	0.2	3-Methylthiophene	< 0.5	0.5	1,1-Dichloroethane	< 0.03	0.03
Ethylacetylene	< 0.10	0.09	Butyl mercaptan	< 0.5	0.5	1,1-Dichloroethylene	< 0.03	0.03
Ethylene	< 0.12	0.11	Carbon disulphide	< 0.3	0.3	1,2,3-Trimethylbenzene	< 0.08	0.07
Isobutane	< 0.2	0.2	Carbonyl sulphide	**1.1**	0.5	1,2,4-Trichlorobenzene	< 0.5	0.4
Isobutylene	< 0.2	0.2	Dimethyl disulphide	< 0.3	0.3	1,2,4-Trimethylbenzene	0.09	0.04
Methane	**1.9**	0.2	Dimethyl sulphide	< 0.3	0.3	1,2-Dibromoethane	< 0.03	0.03
n-Butane	< 0.3	0.3	Ethyl mercaptan	< 0.5	0.5	1,2-Dichlorobenzene	< 0.05	0.04
n-Propane	< 0.12	0.11	Ethyl sulphide	< 0.5	0.5	1,2-Dichloroethane	< 0.05	0.04
Propylene	< 0.2	0.2	Hydrogen sulphide	< 0.2	0.2	1,2-Dichloropropane	< 0.05	0.04
Propyne	< 0.2	0.2	Isobutyl mercaptan	< 0.5	0.5	1,3,5-Trimethylbenzene	< 0.05	0.04
trans-2-Butene	< 0.15	0.14	Isopropyl mercaptan	< 0.2	0.2	1,3-Butadiene	2.35	0.04
			Methyl mercaptan	< 0.3	0.3	1,3-Dichlorobenzene	< 0.7	0.5
			Pentyl mercaptan	< 0.7	0.6	1,4-Dichlorobenzene	< 0.7	0.5
			Propyl mercaptan	< 0.7	0.6	1,4-Dioxane	< 0.8	0.7
			tert-Butyl mercaptan	< 0.5	0.5	1-Butene/Isobutylene	4.49	0.08
			Thiophene	< 0.3	0.3	1-Hexene/2-Methyl-1-pentene	0.47	0.09
						1-Pentene	0.4	0.04
						2,2,4-Trimethylpentane	< 0.03	0.03
						2,2-Dimethylbutane	< 0.03	0.03
						2,3,4-Trimethylpentane	< 0.03	0.03
						2,3-Dimethylbutane	< 0.15	0.12
						2,3-Dimethylpentane	< 0.03	0.03
						2,4-Dimethylpentane	< 0.05	0.04
						2-Methylheptane	< 0.03	0.03
						2-Methylhexane	< 0.05	0.04
						2-Methylpentane	< 0.03	0.03
						3-Methylheptane	< 0.05	0.04
						3-Methylhexane	< 0.03	0.03
						3-Methylpentane	< 0.03	0.03
						Acetone	**10.0**	0.5
						Acrolein	7.2	0.4
						Benzene	4.02	0.04
						Benzyl chloride	< 0.5	0.4
						Bromodichloromethane	< 0.05	0.04
						Bromoform	< 0.03	0.03
						Bromomethane	< 0.03	0.03
						Carbon disulfide	< 0.03	0.03
						Carbon tetrachloride	0.09	0.03
						Chlorobenzene	< 0.03	0.03
						Chloroethane	< 0.03	0.03
						Chloroform	< 0.03	0.03
						Chloromethane	1.09	0.05
						cis-1,2-Dichloroethene	< 0.03	0.03
						cis-1,3-Dichloropropene	< 0.05	0.04
						cis-2-Butene	< 0.05	0.04
						cis-2-Pentene	< 0.03	0.03
						Cyclohexane	0.11	0.05
						Cyclopentane	< 0.03	0.03
						Dibromochloromethane	< 0.03	0.03
						Ethanol	1.7	0.7
						Ethyl acetate	< 0.5	0.4
						Ethylbenzene	0.2	0.04
						Freon-11	0.27	0.03
						Freon-113	0.07	0.03
						Freon-114	< 0.05	0.04

PEACE RIVER AREA MONITORING PROGRAM

Reno-B Station - May 2024

Volatile Organic Compounds (VOCs) Results

Sample Date/Time	2024-05-11 @03:10					
Canister Sample	Non-methane Hydrocarbon					
Canister ID	28933					
Method	**NA-025**		**Method**	**NA-024**	**Method**	**AC-058**
Maximum Reading (ppmv)	**1.9**	**Methane**	**Maximum Reading (ppmv)**	**1.1**	**Carbonyl sulphide**	**Maximum Reading (ppmv)**	**10.00**	**Acetone**

Parameter	Result (ppmv)	RDL (ppmv)	Parameter	Result (ppbv)	RDL (ppbv)	Parameter	Result (ppbv)	RDL (ppbv)
						Freon-12	0.55	0.04
						Hexachloro-1,3-butadiene	< 0.5	0.39
						Isobutane	0.38	0.04
						Isopentane	0.64	0.05
						Isoprene	0.39	0.03
						Isopropyl alcohol	< 0.5	0.4
						Isopropylbenzene	< 0.07	0.05
						m,p-Xylene	0.42	0.05
						m-Diethylbenzene	< 0.03	0.03
						m-Ethyltoluene	0.07	0.04
						Methyl butyl ketone	< 0.7	0.52
						Methyl ethyl ketone	1.4	0.4
						Methyl isobutyl ketone	< 0.5	0.4
						Methyl methacrylate	< 0.13	0.10
						Methyl tert butyl ether	< 0.05	0.04
						Methylcyclohexane	< 0.03	0.03
						Methylcyclopentane	< 0.08	0.07
						Methylene chloride	< 0.5	0.4
						n-Butane	1.32	0.03
						n-Decane	< 0.10	0.08
						n-Dodecane	< 0.5	0.4
						n-Heptane	0.11	0.05
						n-Hexane	0.15	0.04
						n-Nonane	< 0.07	0.05
						n-Octane	0.07	0.03
						n-Pentane	0.36	0.1
						n-Propylbenzene	< 0.10	0.08
						n-Undecane	< 0.8	0.7
						Naphthalene	< 0.5	0.4
						o-Ethyltoluene	0.04	0.03
						o-Xylene	0.13	0.04
						p-Diethylbenzene	< 0.03	0.03
						p-Ethyltoluene	< 0.07	0.05
						Styrene	0.12	0.05
						Tetrachloroethylene	< 0.03	0.03
						Tetrahydrofuran	< 0.5	0.4
						Toluene	1.99	0.04
						trans-1,2-Dichloroethylene	< 0.10	0.08
						trans-1,3-Dichloropropylene	< 0.03	0.03
						trans-2-Butene	< 0.05	0.04
						trans-2-Pentene	< 0.03	0.03
						Trichloroethylene	< 0.03	0.03
						Vinyl acetate	< 0.5	0.4
						Vinyl chloride	< 0.03	0.03

peace river area monitoring program pramp

PEACE RIVER AREA MONITORING PROGRAM

Reno-B Station - May 2024

Volatile Organic Compounds (VOCs) Results

Sample Date/Time	**2024-05-11 @03:10**					
Canister Sample	**Non-methane Hydrocarbon - BLANK**					
Canister ID	**A47802**					
Method	**NA-025**		**Method**	**NA-024**	**Method**	**AC-058**
Maximum Reading (ppmv)	-	-	**Maximum Reading (ppmv)**	- -	**Maximum Reading (ppmv)**	**0.06 Cyclohexane**
Parameter	**Result (ppmv)**	**RDL (ppmv)**	**Parameter**	**Result (ppbv) RDL (ppbv)**	**Parameter**	**Result (ppbv) RDL (ppbv)**
1-Butene	< 0.1	0.1	2,5-Dimethylthiophene	< 0.3 0.3	1,1,1-Trichloroethane	< 0.02 0.02
Acetylene	< 0.08	0.08	2-Ethylthiophene	< 0.2 0.2	1,1,2,2-Tetrachloroethane	< 0.02 0.02
cis-2-Butene	< 0.04	0.04	2-Methylthiophene	< 0.2 0.2	1,1,2-Trichloroethane	< 0.02 0.02
Ethane	< 0.1	0.1	3-Methylthiophene	< 0.3 0.3	1,1-Dichloroethane	< 0.02 0.02
Ethylacetylene	< 0.06	0.06	Butyl mercaptan	< 0.3 0.3	1,1-Dichloroethylene	< 0.02 0.02
Ethylene	< 0.07	0.07	Carbon disulphide	< 0.2 0.2	1,2,3-Trimethylbenzene	< 0.05 0.05
Isobutane	< 0.1	0.1	Carbonyl sulphide	< 0.3 0.3	1,2,4-Trichlorobenzene	< 0.3 0.3
Isobutylene	< 0.1	0.1	Dimethyl disulphide	< 0.2 0.2	1,2,4-Trimethylbenzene	< 0.03 0.03
Methane	< 0.1	0.1	Dimethyl sulphide	< 0.2 0.2	1,2-Dibromoethane	< 0.02 0.02
n-Butane	< 0.2	0.2	Ethyl mercaptan	< 0.3 0.3	1,2-Dichlorobenzene	< 0.03 0.03
n-Propane	< 0.07	0.07	Ethyl sulphide	< 0.3 0.3	1,2-Dichloroethane	< 0.03 0.03
Propylene	< 0.1	0.1	Hydrogen sulphide	< 0.1 0.1	1,2-Dichloropropane	< 0.03 0.03
Propyne	< 0.1	0.1	Isobutyl mercaptan	< 0.3 0.3	1,3,5-Trimethylbenzene	< 0.03 0.03
trans-2-Butene	< 0.09	0.09	Isopropyl mercaptan	< 0.1 0.1	1,3-Butadiene	< 0.03 0.03
			Methyl mercaptan	< 0.2 0.2	1,3-Dichlorobenzene	< 0.4 0.4
			Pentyl mercaptan	< 0.4 0.4	1,4-Dichlorobenzene	< 0.4 0.4
			Propyl mercaptan	< 0.4 0.4	1,4-Dioxane	< 0.5 0.5
			tert-Butyl mercaptan	< 0.3 0.3	1-Butene/Isobutylene	< 0.06 0.06
			Thiophene	< 0.2 0.2	1-Hexene/2-Methyl-1-pentene	< 0.07 0.07
					1-Pentene	< 0.03 0.03
					2,2,4-Trimethylpentane	< 0.02 0.02
					2,2-Dimethylbutane	< 0.02 0.02
					2,3,4-Trimethylpentane	< 0.02 0.02
					2,3-Dimethylbutane	< 0.09 0.09
					2,3-Dimethylpentane	< 0.02 0.02
					2,4-Dimethylpentane	< 0.03 0.03
					2-Methylheptane	< 0.02 0.02
					2-Methylhexane	< 0.03 0.03
					2-Methylpentane	< 0.02 0.02
					3-Methylheptane	< 0.03 0.03
					3-Methylhexane	< 0.02 0.02
					3-Methylpentane	< 0.02 0.02
					Acetone	< 0.4 0.4
					Acrolein	< 0.3 0.3
					Benzene	< 0.03 0.03
					Benzyl chloride	< 0.3 0.3
					Bromodichloromethane	< 0.03 0.03
					Bromoform	< 0.02 0.02
					Bromomethane	< 0.02 0.02
					Carbon disulfide	< 0.02 0.02
					Carbon tetrachloride	< 0.02 0.02
					Chlorobenzene	< 0.02 0.02
					Chloroethane	< 0.02 0.02
					Chloroform	< 0.02 0.02
					Chloromethane	< 0.04 0.04
					cis-1,2-Dichloroethene	< 0.02 0.02
					cis-1,3-Dichloropropene	< 0.03 0.03
					cis-2-Butene	< 0.03 0.03
					cis-2-Pentene	< 0.02 0.02
					Cyclohexane	**0.06** 0.04
					Cyclopentane	< 0.02 0.02
					Dibromochloromethane	< 0.02 0.02
					Ethanol	< 0.5 0.5
					Ethyl acetate	< 0.3 0.3
					Ethylbenzene	< 0.03 0.03
					Freon-11	< 0.02 0.02
					Freon-113	< 0.02 0.02
					Freon-114	< 0.03 0.03

peace river area monitoring program pramp

PEACE RIVER AREA MONITORING PROGRAM

Reno-B Station - May 2024

Volatile Organic Compounds (VOCs) Results

Sample Date/Time	2024-05-11 @03:10					
Canister Sample	Non-methane Hydrocarbon - BLANK					
Canister ID	A47802					
Method	**NA-025**		**Method**	**NA-024**	**Method**	**AC-058**
Maximum Reading (ppmv)	-	-	**Maximum Reading (ppmv)**	- -	**Maximum Reading (ppmv)**	**0.06 Cyclohexane**

Parameter	Result (ppmv)	RDL (ppmv)	Parameter	Result (ppbv)	RDL (ppbv)	Parameter	Result (ppbv)	RDL (ppbv)
						Freon-12	< 0.03	0.03
						Hexachloro-1,3-butadiene	< 0.3	0.30
						Isobutane	< 0.03	0.03
						Isopentane	< 0.04	0.04
						Isoprene	< 0.02	0.02
						Isopropyl alcohol	< 0.3	0.3
						Isopropylbenzene	< 0.04	0.04
						m,p-Xylene	< 0.04	0.04
						m-Diethylbenzene	< 0.02	0.02
						m-Ethyltoluene	< 0.03	0.03
						Methyl butyl ketone	< 0.4	0.40
						Methyl ethyl ketone	< 0.3	0.3
						Methyl isobutyl ketone	< 0.3	0.3
						Methyl methacrylate	< 0.08	0.08
						Methyl tert butyl ether	< 0.03	0.03
						Methylcyclohexane	< 0.02	0.02
						Methylcyclopentane	< 0.05	0.05
						Methylene chloride	< 0.3	0.3
						n-Butane	< 0.02	0.02
						n-Decane	< 0.06	0.06
						n-Dodecane	< 0.3	0.3
						n-Heptane	< 0.04	0.04
						n-Hexane	< 0.03	0.03
						n-Nonane	< 0.04	0.04
						n-Octane	< 0.02	0.02
						n-Pentane	< 0.04	0.0
						n-Propylbenzene	< 0.06	0.06
						n-Undecane	< 0.5	0.5
						Naphthalene	< 0.3	0.3
						o-Ethyltoluene	< 0.02	0.02
						o-Xylene	< 0.03	0.03
						p-Diethylbenzene	< 0.02	0.02
						p-Ethyltoluene	< 0.04	0.04
						Styrene	< 0.04	0.04
						Tetrachloroethylene	< 0.02	0.02
						Tetrahydrofuran	< 0.3	0.3
						Toluene	< 0.03	0.03
						trans-1,2-Dichloroethylene	< 0.06	0.06
						trans-1,3-Dichloropropylene	< 0.02	0.02
						trans-2-Butene	< 0.03	0.03
						trans-2-Pentene	< 0.02	0.02
						Trichloroethylene	< 0.02	0.02
						Vinyl acetate	< 0.3	0.3
						Vinyl chloride	< 0.02	0.02

Passives

peace river area monitoring program pramp

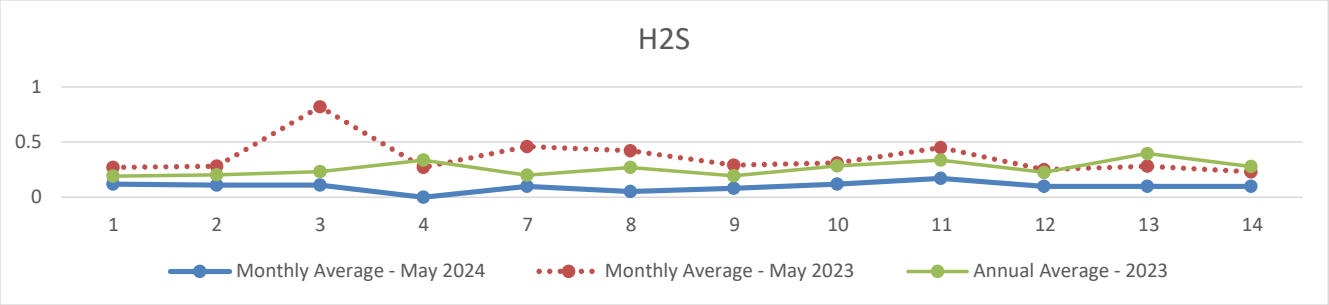
PEACE RIVER AREA MONITORING PROGRAM

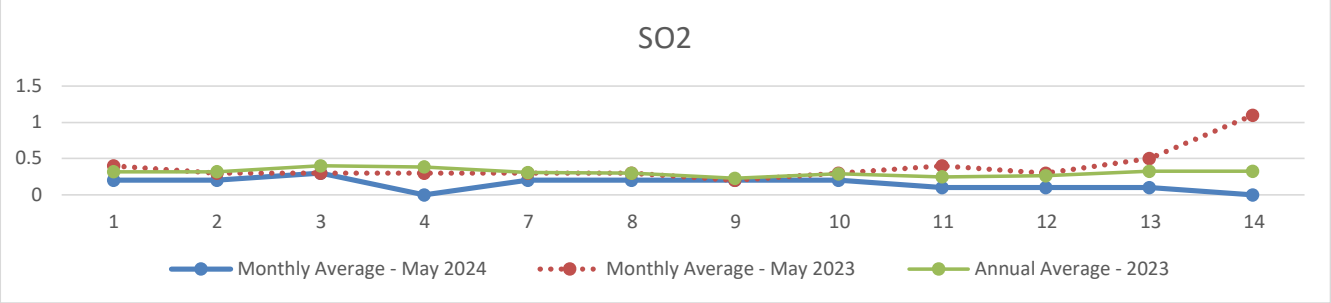
PRC Site - May 2024

Passive Results

	H_2S		SO_2	
Minimum (ppb)	<0.02	#4	<0.1	#4
Maximum (ppb)	0.17	#11	0.3	#3
Average (ppb)	0.11	-	0.18	-

No.	Calculated Value	Calculated Value
1	0.12	0.2
2	0.11	0.2
3	0.11	0.3
4	<0.02	<0.1
7	0.10	0.2
8	0.05	0.2
9	0.08	0.2
10	0.12	0.2
11	0.17	0.1
12	0.10	0.1
13	0.10	0.1
14	0.10	<0.1
Reportable Detection Limit (RDL)	**0.02**	**0.1**





End of Report

Peace River Area Monitoring Program

MAY 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202405

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

June 5, 2024

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NMHC Canister Analytical Results

InnoTech ALBERTA

Highway 16A & 75 Street
PO Bag 4000
Vegreville, AB, T9C 1T4
Environmental Analytical Services
Phone: (780) 632-8403 Fax: (780) 632-8620

FAS CANISTER

Sample ID: 24050178-001 **Priority:** Normal

Customer ID: PRAMP
Cust Samp ID: PRAMP_Reno-B-20240511

Date Received- Lab Use Only
RECEIVED
MAY 17 2024

Client Contact Details:

Contact: Karla Ressor, Michael Bisaga/ Lily Lin
Company: PRAMP Airshed
PO#: □ 842-B Station □ 986-C Station □ Reno-B Station
Address: □ 842-B (Lat. 56.27406N, Long. 116.98129W)
□ 986-C (Lat. 56.36988N, Long. 116.925636W)
□ Reno-B (Lat. 55.890868 N, Long. -117.137080 W)
Telephone: 403-8072995, 780-2667068/587-2252248
Email: karla@prampairshed.ca, pramptech@prampairshed.ca

RUSH (Surcharge) ☐

Invoice Instructions:
Send to: officemanager@prampairshed.ca, karla@prampairshed.ca, pramptech@prampairshed.ca Attention: PRAMP Office Manager
Any correspondence related to canister analysis, send the information to karla@prampairshed.ca and pramptech@prampairshed.ca

InnoTech Contact: Graham Knox Phone: 780-6328403 Cell: 780-6321519
Email: Graham.Knox@innotechalberta.ca

Sample ID (PRAMP_statiom_yyyymmdd) (Find Sample ID from BV's email)	**Canister ID** (Find canister ID from canister tag)	**Sample Description**	**Date/Time Canister Triggered** (Find Date/Time from BV's email)		**Analysis Requested**
			Date (yyyy/mm/dd)	**Time (24 Hr) (MST)**	
PRAMP_842-B- PRAMP_986-C- PRAMP_Reno-B- 20240511	28933	☑ NMHC Trigger □ NMHC Blank □ Expired Canister – No further analysis is required □ Not Valid Sample – No further analysis is required.	2024/05/11	03:10	* AIR C1C4, AIR VOC, AIR RSC * Unknown to be reported * Carbon Isotopic Analysis (if sample is collected from Methane trigger)

Sample Collection:

Collect By Kevin Sebastian **(Name) of** Bureau Veritas **(Company) on** 5/13/2024 17:00 **(Date/Time) (MST).**

Sample ID: 24050178-002 **Priority:** Normal

Customer ID: PRAMP
Cust Samp ID: PRAMP_Reno-Blank

IAIN OF CUSTODY FORM
NISTER

Environmental Analytical Services
Highway 16A & 75 Street
Vegreville, AB T9C 1T4

Phone: 780-632-8403
Email: EAS.Reception@innotechalberta.ca
www.innotechalberta.ca

Client Reporting Information

Company: _____
Address: _____
_____
Contact: _____
Phone: _____
Email: _____

Client Billing Information

Contact: _____
Phone: _____
Email: _____
Project ID: _____
PO #: _____

Turnaround Time (TAT)

- ◯ Normal (10 business days)
- ◯ Rush (5 business days) (50% surcharge)
- ◯ Emergency (3 business day) (100% surcharge)

NOTE: Rush and Emergency TAT is not available for all tests.
Confirm all rush and Emergency requests with the Laboratory before submitting samples.

SAMPLE TYPE SOURCE* / AMBIENT (indicate as applicable)

Date Received ~~Lab Use Only~~

RECEIVED
MAY 17 2024

Special Instructions/Comments

* For source samples, please Indicate possible high-level parameters which may be present.

Lab Sample Number	Client Sample ID	Sample Source/ Description	Canister Number/ Sampler ID	Date Sampled (mm/dd/yy) From / To	Time Sampled (24 hour) From / To	Analysis Requested
	PRAMP RENO BLANK					

Client Authorization: _____ Laboratory Personnel: _____
(Signature) *(Signature)*

This "Chain of Custody" form is subject to InnoTech Alberta standard terms and conditions.

InnoTech ALBERTA

Canister ID: 28933

This cleaned canister meets or exceeds TO-15 Method Specifications

Proofed by: ISQ3 on: FEB 27 2024

Evacuated: MAR 26 2024 Recertified: _____

(Use within: 3 months from evacuation or recertification date)

Laboratory Contact Number: 780-632-8403

Sample ID: PRAMP RENO 20240511

Sampled By: Kevin Sebastian

Starting Vacuum:	End Pressure:
-27.1 "Hg	-3.5 "Hg/ psig

InnoTech ALBERTA

Canister ID: A47802

This cleaned canister meets or exceeds TO-15 Method Specifications

Proofed by: ISQ3 on: FEB 22 2024

Evacuated: MAR 26 2024 Recertified: _____

(Use within: 3 months from evacuation or recertification date)

Laboratory Contact Number: 780-632-8403

Sample ID: _____

Sampled By: _____

Starting Vacuum:	End Vacuum:
-27.1 "Hg	_____ "Hg/ psig

Sample ID: 24050178-001 **Priority:** Normal

Customer ID: PRAMP

Cust Samp ID: PRAMP_Reno-B-20240511

{004084;2}

TERMS AND CONDITIONS

The attached document entitled "**Chain of Custody Form**" is subject to the following Terms and Conditions, unless otherwise specified on the Quotation. InnoTech Alberta's commencement of the Services shall be deemed acceptance of the terms and conditions by the Client.

1. Any proposal contained herein is prepared for the consideration of the Client only. Its contents may not be used or disclosed to any other party without prior written consent of the INNOTECH ALBERTA INC. (hereinafter referred to as "InnoTech Alberta").

2. InnoTech Alberta will perform the Services in accordance with normal professional standards.

3. The delivery time for performance of the Services (as set out on the front page of this Quotation) is approximate and may be changed by InnoTech Alberta giving written notice to the Client.

4. InnoTech Alberta will exercise due care and proficiency in testing items submitted by a Client. InnoTech Alberta shall not, however, be liable to the Client for any damage or loss caused to the item being tested or for any damage, loss or expense caused by any delay in carrying out the test, including any damage, loss or expense resulting from InnoTech Alberta's negligence. InnoTech Alberta shall not be responsible for any damage, which is a natural or necessary result of any testing procedure.

5. For the purposes of this Quotation, Intellectual Property means all information, data, artistic and literary works, concepts, designs, processes, software, algorithms and inventions, including, without limitation, those that could be the subject of patent, copyright, industrial design, trade secret or other forms of protection. Intellectual Property which was owned by either InnoTech Alberta or the Client prior to the signing of this Agreement remains the property of that party. Nothing in this Agreement shall operate as a license, permission or grant of any other rights to either InnoTech Alberta's or the Client's Intellectual Property.

6. All data, reports and other information relating to the Services shall be treated by InnoTech Alberta as the confidential property of the Client, and InnoTech Alberta will use reasonable efforts to ensure that its employees, contractors and agents will not disclose the same to any other person, firm or corporation during the term of this Agreement and for a period of five (5) years after the date of termination of the Agreement. The obligation of confidentiality set out herein shall not apply to any information that was in InnoTech Alberta's possession prior to receipt from the Client or which is or becomes part of the public domain through no act or failure on the part of InnoTech Alberta. The obligation of confidentiality set out in this Section shall not prevent the disclosure of information to any level of government having jurisdiction to make lawful demand therefor, or required to be disclosed by any applicable law. Any records required to be maintained by InnoTech Alberta pursuant to this Agreement are subject to the protection and access provisions of the Freedom of Information and Protection of Privacy Act (Alberta).

7. The reported results of any InnoTech Alberta tests or evaluations performed on samples or items provided by the Client shall be interpreted as being specific to the sample or item tested. InnoTech Alberta makes no representation that any similar or related untested samples or items would produce the same results.

8. The Client shall not use InnoTech Alberta's name in any advertising material, sale offer, news releases, public statements or announcements, whether written or oral relating to the Services or the results thereof, without the prior written consent of InnoTech Alberta.

9. Records, test data, reports and samples, except where shipped to the Client after completion of the work shall be retained by InnoTech Alberta according to InnoTech Alberta's approved Records Retention and Disposition Schedule.

10. Prices quoted are in Canadian Dollars unless otherwise stated in writing and are exclusive of any provincial, municipal, sales, use or goods and services tax.

11. Prices quoted do not include shipping, insurance or cost of consumables. The Client shall be responsible for all costs incurred by InnoTech Alberta in collecting any item for testing and returning the item to the Client after testing and shall be responsible for all necessary incidental costs incurred by InnoTech Alberta in providing the Services. InnoTech Alberta will not be responsible for any damage or loss to items during shipping and it is the responsibility of the Client to arrange and pay for any insurance it deems necessary.

12. Any test samples or other materials supplied by the Client to InnoTech Alberta may, at InnoTech Alberta's option, be returned by InnoTech Alberta to the Client. The Client shall:

(a) be responsible for all costs associated with the handling, transportation and disposal of such materials;

(b) reimburse InnoTech Alberta for any costs incurred by InnoTech Alberta associated with the handling, transportation and disposal of such materials; and

(c) indemnify and hold InnoTech Alberta harmless from any and all claims, damages or actions associated with the handling, transportation and disposal of such materials.

13. The Client shall pay all invoices rendered by InnoTech Alberta to the Client within thirty (30) days from the date of invoice, without deduction or set-off.

14. If the Client fails to pay any amount under this Agreement, such unpaid amount shall bear interest at a rate per month equal to one (1%) percent (or 12.6831% per annum) with interest on overdue interest at the same rate.

15. InnoTech Alberta makes no representation, warranties or conditions, either expressed or implied, statutory or otherwise and does not warrant the quality, state, merchantability or fitness for any purpose of any goods or products to be delivered pursuant to this Agreement. The Client accepts the results of these Services or items tested as is, and acknowledges that any use or interpretation of the information contained is at the Client's own risk.

16. In no event shall InnoTech Alberta be liable for any indirect or consequential damage or loss suffered by the Client, including loss of anticipated profits.

17. The Client shall indemnify and hold harmless InnoTech Alberta from any and all claims, demands, actions and costs (including legal costs on a solicitor-client basis) that may arise out of:

(a) any dangerous defect or content in the item being tested, whether apparent or not, which dangerous defect or content was not disclosed in writing to InnoTech Alberta by the Client at the time the item was submitted for testing;

(b) differences between those items actually tested and items previously or subsequently produced which are purported to be identical to the item tested; or

(c) any use of the tested item or any item incorporating the tested item, whether by the Client or a third party following its return to the Client.

The hold harmless shall survive this Agreement.

18. The Client shall, at its own expense and without limiting its liabilities herein, be responsible for insuring its operation in an amount not less than $2,000,000 inclusive per occurrence, insuring against bodily injury, and property damage including loss of use thereof. Further, the Client is responsible for insuring all owned property directly or indirectly related to this Agreement and InnoTech Alberta shall have no liability for any loss or damage to such property. 19. InnoTech Alberta shall maintain the following insurance: (i) commercial general liability insurance (including cross liability, severability of interests, non-owned automobile liability) in the amount of two million dollars ($2,000,000.00) per occurrence, and; (ii) professional liability and errors and omissions insurance in the amount of one million dollars ($1,000,000.00) per claim, and two million dollars ($2,000,000.00) in the aggregate. In addition, InnoTech Alberta shall maintain all workers' compensation coverage required by applicable laws. Notwithstanding the foregoing, InnoTech Alberta reserves the right to supplement or add insurance coverage from time to time as may be required in its sole discretion. InnoTech Alberta may provide certificates of insurance for coverages outlined in (i) and (ii) above.

20. The Client agrees to comply with all InnoTech Alberta Safety & Security regulations in effect while on InnoTech Alberta premises.

21. This Agreement represents the entire agreement between the parties and shall supersede all prior agreements relative to this transaction.

22. InnoTech Alberta shall not be liable to the Client for any failure or delay in performance of its obligations caused by circumstances beyond its control, including but not limited to acts of God, strikes, laws imposed after the fact, governmental restrictions, riots, wars, civil disorder, rebellion, sabotage, fire, flood, explosion, earthquake or other disasters.

23. InnoTech Alberta may assign this Quotation to an "affiliated" (as that term is defined at Section 2 of the Business Corporations Act (Alberta)) or successor entity on written notice to the Client.

24. This Quotation and rights and parties thereto shall be governed by and construed according to the laws of the Province of Alberta. The parties hereby submit to the jurisdiction of the Courts of Alberta.

InnoTech ALBERTA
PO Bag 4000
Vegreville, Alberta
Canada T9C 1T4
(780) 632-8211

ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

RESULTS: Karla Reesor 403 807 2995
Peace River Area Monitoring Program Committee

INVOICE: Office Manager

CLIENT SAMPLE ID: PRAMP_Reno-B-20240511

Matrix: Ambient Air

CANISTER ID: 28933

PRIORITY: Normal

DESCRIPTION: NMHC Trigger

DATE SAMPLED: 11-May-24 3:10

DATE RECEIVED: 17-May-24

REPORT CREATED: 06-Jun-24

REPORT NUMBER: 24050178

VERSION: Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	1-Butene	K, T, U	< 0.16	ppmv	0.16	NA-025	22-May-24
24050178-001	Acetylene	K, T, U	< 0.13	ppmv	0.13	NA-025	22-May-24
24050178-001	n-Butane	K, T, U	< 0.3	ppmv	0.3	NA-025	22-May-24
24050178-001	cis-2-Butene	K, T, U	< 0.07	ppmv	0.07	NA-025	22-May-24
24050178-001	Ethane	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-001	Ethylacetylene	K, T, U	< 0.10	ppmv	0.10	NA-025	22-May-24
24050178-001	Ethylene	K, T, U	< 0.12	ppmv	0.12	NA-025	22-May-24
24050178-001	Isobutane	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-001	Isobutylene	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-001	Methane		1.9	ppmv	0.2	NA-025	22-May-24
24050178-001	n-Propane	K, T, U	< 0.12	ppmv	0.12	NA-025	22-May-24
24050178-001	Propylene	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-001	Propyne	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-001	trans-2-Butene	K, T, U	< 0.15	ppmv	0.15	NA-025	22-May-24
24050178-001	2,5-Dimethylthiophene	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	2-Ethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	2-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024

Inquiries: (780) 632 8403 E-mail: EAS.Results@innotechalberta.ca

InnoTech's ISO/IEC 17025:2017 scope of accreditation can be located at https://directory.cala.ca//

InnoTech ALBERTA
PO Bag 4000
Vegreville, Alberta
Canada T9C 1T4
(780) 632-8211

ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-B-20240511	28933	Ambient Air	11-May-24 3:10

DESCRIPTION: NMHC Trigger

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	3-Methylthiophene	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Butyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Carbon disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	Carbonyl sulphide		1.1	ppbv	0.5	NA-024	17-May-24
24050178-001	Dimethyl disulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	Dimethyl sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	Ethyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Ethyl sulphide	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Hydrogen sulphide	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-001	Isobutyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Isopropyl mercaptan	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-001	Methyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	Pentyl mercaptan	K, T, U	< 0.7	ppbv	0.7	NA-024	17-May-24
24050178-001	Propyl mercaptan	K, T, U	< 0.7	ppbv	0.7	NA-024	17-May-24
24050178-001	tert-Butyl mercaptan	K, T, U	< 0.5	ppbv	0.5	NA-024	17-May-24
24050178-001	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-001	1,1,1-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	1,1,2,2-Tetrachloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	1,1,2-Trichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	1,1-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	1,1-Dichloroethylene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	1,2,3-Trimethylbenzene	K, T, U	< 0.08	ppbv	0.08	AC-058	30-May-24
24050178-001	1,2,4-Trichlorobenzene	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	1,2,4-Trimethylbenzene	I	0.09	ppbv	0.05	AC-058	30-May-24
24050178-001	1,2-Dibromoethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024

Inquiries: (780) 632 8403 E-mail: EAS.Results@innotechalberta.ca

InnoTech ALBERTA
PO Bag 4000
Vegreville, Alberta
Canada T9C 1T4
(780) 632-8211

ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-B-20240511	28933	Ambient Air	11-May-24 3:10

DESCRIPTION: NMHC Trigger

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	1,2-Dichlorobenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	1,2-Dichloroethane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	1,2-Dichloropropane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	1,3,5-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	1,3-Butadiene		2.35	ppbv	0.05	AC-058	30-May-24
24050178-001	1,3-Dichlorobenzene	K, T, U	< 0.7	ppbv	0.7	AC-058	30-May-24
24050178-001	1,4-Dichlorobenzene	K, T, U	< 0.7	ppbv	0.7	AC-058	30-May-24
24050178-001	1,4-Dioxane	K, T, U	< 0.8	ppbv	0.8	AC-058	30-May-24
24050178-001	1-Butene/Isobutylene		4.49	ppbv	0.10	AC-058	30-May-24
24050178-001	1-Hexene/2-Methyl-1-pentene		0.47	ppbv	0.12	AC-058	30-May-24
24050178-001	1-Pentene		0.40	ppbv	0.05	AC-058	30-May-24
24050178-001	2,2,4-Trimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	2,2-Dimethylbutane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	2,3,4-Trimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	2,3-Dimethylbutane	K, T, U	< 0.15	ppbv	0.15	AC-058	30-May-24
24050178-001	2,3-Dimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	2,4-Dimethylpentane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	2-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	2-Methylhexane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	2-Methylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	3-Methylheptane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	3-Methylhexane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	3-Methylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Acetone		10.0	ppbv	0.7	AC-058	30-May-24
24050178-001	Acrolein		7.2	ppbv	0.5	AC-058	30-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-B-20240511	28933	Ambient Air	11-May-24 3:10

DESCRIPTION: NMHC Trigger

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	Benzene		4.02	ppbv	0.05	AC-058	30-May-24
24050178-001	Benzyl chloride	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Bromodichloromethane	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	Bromoform	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Bromomethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Carbon disulfide	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Carbon tetrachloride	I	0.09	ppbv	0.03	AC-058	30-May-24
24050178-001	Chlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Chloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Chloroform	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Chloromethane		1.09	ppbv	0.07	AC-058	30-May-24
24050178-001	cis-1,2-Dichloroethene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	cis-1,3-Dichloropropene	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	cis-2-Butene	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	cis-2-Pentene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Cyclohexane	I	0.11	ppbv	0.07	AC-058	30-May-24
24050178-001	Cyclopentane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Dibromochloromethane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Ethanol		1.7	ppbv	0.8	AC-058	30-May-24
24050178-001	Ethyl acetate	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Ethylbenzene	I	0.20	ppbv	0.05	AC-058	30-May-24
24050178-001	Freon-11		0.27	ppbv	0.03	AC-058	30-May-24
24050178-001	Freon-113	I	0.07	ppbv	0.03	AC-058	30-May-24
24050178-001	Freon-114	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	Freon-12		0.55	ppbv	0.05	AC-058	30-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-B-20240511	28933	Ambient Air	11-May-24 3:10

DESCRIPTION: NMHC Trigger

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	Hexachloro-1,3-butadiene	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Isobutane		0.38	ppbv	0.05	AC-058	30-May-24
24050178-001	Isopentane		0.64	ppbv	0.07	AC-058	30-May-24
24050178-001	Isoprene		0.39	ppbv	0.03	AC-058	30-May-24
24050178-001	Isopropyl alcohol	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Isopropylbenzene	K, T, U	< 0.07	ppbv	0.07	AC-058	30-May-24
24050178-001	m,p-Xylene	I	0.42	ppbv	0.07	AC-058	30-May-24
24050178-001	m-Diethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	m-Ethyltoluene	I	0.07	ppbv	0.05	AC-058	30-May-24
24050178-001	Methyl butyl ketone	K, T, U	< 0.7	ppbv	0.7	AC-058	30-May-24
24050178-001	Methyl ethyl ketone		1.4	ppbv	0.5	AC-058	30-May-24
24050178-001	Methyl isobutyl ketone	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Methyl methacrylate	K, T, U	< 0.13	ppbv	0.13	AC-058	30-May-24
24050178-001	Methyl tert butyl ether	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	Methylcyclohexane	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Methylcyclopentane	K, T, U	< 0.08	ppbv	0.08	AC-058	30-May-24
24050178-001	Methylene chloride	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	n-Butane		1.32	ppbv	0.03	AC-058	30-May-24
24050178-001	n-Decane	K, T, U	< 0.10	ppbv	0.10	AC-058	30-May-24
24050178-001	n-Dodecane	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	n-Heptane	I	0.11	ppbv	0.07	AC-058	30-May-24
24050178-001	n-Hexane	I	0.15	ppbv	0.05	AC-058	30-May-24
24050178-001	n-Octane	I	0.07	ppbv	0.03	AC-058	30-May-24
24050178-001	n-Pentane		0.36	ppbv	0.07	AC-058	30-May-24
24050178-001	n-Propylbenzene	K, T, U	< 0.10	ppbv	0.10	AC-058	30-May-24

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-B-20240511	28933	Ambient Air	11-May-24 3:10

DESCRIPTION: NMHC Trigger

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-001	n-Undecane	K, T, U	< 0.8	ppbv	0.8	AC-058	30-May-24
24050178-001	Naphthalene	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	n-Nonane	K, T, U	< 0.07	ppbv	0.07	AC-058	30-May-24
24050178-001	o-Ethyltoluene	I	0.04	ppbv	0.03	AC-058	30-May-24
24050178-001	o-Xylene	I	0.13	ppbv	0.05	AC-058	30-May-24
24050178-001	p-Diethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	p-Ethyltoluene	K, T, U	< 0.07	ppbv	0.07	AC-058	30-May-24
24050178-001	Styrene	I	0.12	ppbv	0.07	AC-058	30-May-24
24050178-001	Tetrachloroethylene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Tetrahydrofuran	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Toluene		1.99	ppbv	0.05	AC-058	30-May-24
24050178-001	trans-1,2-Dichloroethylene	K, T, U	< 0.10	ppbv	0.10	AC-058	30-May-24
24050178-001	trans-1,3-Dichloropropylene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	trans-2-Butene	K, T, U	< 0.05	ppbv	0.05	AC-058	30-May-24
24050178-001	trans-2-Pentene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Trichloroethylene	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24
24050178-001	Vinyl acetate	K, T, U	< 0.5	ppbv	0.5	AC-058	30-May-24
24050178-001	Vinyl chloride	K, T, U	< 0.03	ppbv	0.03	AC-058	30-May-24

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	1-Butene	K, T, U	< 0.10	ppmv	0.10	NA-025	22-May-24
24050178-002	Acetylene	K, T, U	< 0.08	ppmv	0.08	NA-025	22-May-24
24050178-002	n-Butane	K, T, U	< 0.2	ppmv	0.2	NA-025	22-May-24
24050178-002	cis-2-Butene	K, T, U	< 0.04	ppmv	0.04	NA-025	22-May-24
24050178-002	Ethane	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	Ethylacetylene	K, T, U	< 0.06	ppmv	0.06	NA-025	22-May-24
24050178-002	Ethylene	K, T, U	< 0.07	ppmv	0.07	NA-025	22-May-24
24050178-002	Isobutane	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	Isobutylene	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	Methane	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	n-Propane	K, T, U	< 0.07	ppmv	0.07	NA-025	22-May-24
24050178-002	Propylene	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	Propyne	K, T, U	< 0.1	ppmv	0.1	NA-025	22-May-24
24050178-002	trans-2-Butene	K, T, U	< 0.09	ppmv	0.09	NA-025	22-May-24
24050178-002	2,5-Dimethylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	2-Ethylthiophene	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	2-Methylthiophene	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	3-Methylthiophene	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Butyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Carbon disulphide	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	Carbonyl sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Dimethyl disulphide	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	Dimethyl sulphide	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	Ethyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Ethyl sulphide	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	Hydrogen sulphide	K, T, U	< 0.1	ppbv	0.1	NA-024	17-May-24
24050178-002	Isobutyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Isopropyl mercaptan	K, T, U	< 0.1	ppbv	0.1	NA-024	17-May-24
24050178-002	Methyl mercaptan	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	Pentyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	17-May-24
24050178-002	Propyl mercaptan	K, T, U	< 0.4	ppbv	0.4	NA-024	17-May-24
24050178-002	tert-Butyl mercaptan	K, T, U	< 0.3	ppbv	0.3	NA-024	17-May-24
24050178-002	Thiophene/sec-Butyl mercaptan	K, T, U	< 0.2	ppbv	0.2	NA-024	17-May-24
24050178-002	1,1,1-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,1,2,2-Tetrachloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,1,2-Trichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,1-Dichloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,1-Dichloroethylene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,2,3-Trimethylbenzene	K, T, U	< 0.05	ppbv	0.05	AC-058	24-May-24
24050178-002	1,2,4-Trichlorobenzene	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	1,2,4-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,2-Dibromoethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	1,2-Dichlorobenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,2-Dichloroethane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,2-Dichloropropane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,3,5-Trimethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,3-Butadiene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	1,3-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	24-May-24
24050178-002	1,4-Dichlorobenzene	K, T, U	< 0.4	ppbv	0.4	AC-058	24-May-24
24050178-002	1,4-Dioxane	K, T, U	< 0.5	ppbv	0.5	AC-058	24-May-24

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	1-Butene/Isobutylene	K, T, U	< 0.06	ppbv	0.06	AC-058	24-May-24
24050178-002	1-Hexene/2-Methyl-1-pentene	K, T, U	< 0.07	ppbv	0.07	AC-058	24-May-24
24050178-002	1-Pentene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	2,2,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	2,2-Dimethylbutane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	2,3,4-Trimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	2,3-Dimethylbutane	K, T, U	< 0.09	ppbv	0.09	AC-058	24-May-24
24050178-002	2,3-Dimethylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	2,4-Dimethylpentane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	2-Methylheptane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	2-Methylhexane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	2-Methylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	3-Methylheptane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	3-Methylhexane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	3-Methylpentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Acetone	K, T, U	< 0.4	ppbv	0.4	AC-058	24-May-24
24050178-002	Acrolein	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Benzene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Benzyl chloride	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Bromodichloromethane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Bromoform	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Bromomethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Carbon disulfide	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Carbon tetrachloride	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Chlorobenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024

Inquiries: (780) 632 8403 E-mail: EAS.Results@innotechalberta.ca

InnoTech ALBERTA
PO Bag 4000
Vegreville, Alberta
Canada T9C 1T4
(780) 632-8211

ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	Chloroethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Chloroform	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Chloromethane	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	cis-1,2-Dichloroethene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	cis-1,3-Dichloropropene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	cis-2-Butene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	cis-2-Pentene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Cyclohexane	I	0.06	ppbv	0.04	AC-058	24-May-24
24050178-002	Cyclopentane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Dibromochloromethane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Ethanol	K, T, U	< 0.5	ppbv	0.5	AC-058	24-May-24
24050178-002	Ethyl acetate	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Ethylbenzene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Freon-11	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Freon-113	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Freon-114	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Freon-12	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Hexachloro-1,3-butadiene	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Isobutane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Isopentane	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	Isoprene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Isopropyl alcohol	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Isopropylbenzene	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	m,p-Xylene	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	m-Diethylbenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024 Inquiries: (780) 632 8403 E-mail: EAS.Results@innotechalberta.ca

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	m-Ethyltoluene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Methyl butyl ketone	K, T, U	< 0.4	ppbv	0.4	AC-058	24-May-24
24050178-002	Methyl ethyl ketone	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Methyl isobutyl ketone	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Methyl methacrylate	K, T, U	< 0.08	ppbv	0.08	AC-058	24-May-24
24050178-002	Methyl tert butyl ether	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	Methylcyclohexane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Methylcyclopentane	K, T, U	< 0.05	ppbv	0.05	AC-058	24-May-24
24050178-002	Methylene chloride	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	n-Butane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	n-Decane	K, T, U	< 0.06	ppbv	0.06	AC-058	24-May-24
24050178-002	n-Dodecane	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	n-Heptane	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	n-Hexane	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	n-Octane	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	n-Pentane	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	n-Propylbenzene	K, T, U	< 0.06	ppbv	0.06	AC-058	24-May-24
24050178-002	n-Undecane	K, T, U	< 0.5	ppbv	0.5	AC-058	24-May-24
24050178-002	Naphthalene	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	n-Nonane	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	o-Ethyltoluene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	o-Xylene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	p-Diethylbenzene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	p-Ethyltoluene	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24
24050178-002	Styrene	K, T, U	< 0.04	ppbv	0.04	AC-058	24-May-24

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ENVIRONMENTAL ANALYTICAL SERVICES

TEST REPORT

CLIENT SAMPLE ID	CANISTER ID	Matrix	DATE SAMPLED
PRAMP_Reno-Blank	A47802	Ambient Air	11-May-24

DESCRIPTION: NMHC Blank

REPORT NUMBER: 24050178 **REPORT CREATED:** 06-Jun-24 **VERSION:** Version 01

Lab ID	Parameter	Qualifier	Result	Units	RDL	Method	Analysis Date
24050178-002	Tetrachloroethylene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Tetrahydrofuran	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Toluene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	trans-1,2-Dichloroethylene	K, T, U	< 0.06	ppbv	0.06	AC-058	24-May-24
24050178-002	trans-1,3-Dichloropropylene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	trans-2-Butene	K, T, U	< 0.03	ppbv	0.03	AC-058	24-May-24
24050178-002	trans-2-Pentene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Trichloroethylene	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24
24050178-002	Vinyl acetate	K, T, U	< 0.3	ppbv	0.3	AC-058	24-May-24
24050178-002	Vinyl chloride	K, T, U	< 0.02	ppbv	0.02	AC-058	24-May-24

Report certified by: Andrea Conner, Admin Assistant On behalf of: Adam Malcolm, Manager, Chemical Testing

Date: June 6, 2024

Inquiries: (780) 632 8403 E-mail: EAS.Results@innotechalberta.ca

Revision History

Order ID	Ver	Date	Reason
24050178	01	06-Jun-24	Report created

Methods

Method	Description
AC-058	Determination of Volatile Organic Compounds in Ambient Air by Gas Chromatography Mass Spectrometry
NA-024	Analysis for Reduced Sulfur Compounds in Air Samples
NA-025	Determination of Light Hydrocarbons (C1C4) in Ambient Air by Gas Chromatography Flame Ionization Detector

List of Analytical Method IDs within InnoTech's ISO/IEC 17025:2017 CALA Scope of Accreditation

Method ID	Description
AC-013	Mercury in Waters by Cold Vapor Atomic Fluorescence Detection (CVAFS)
AC-020	Ion Chromatographic Procedures using the Dionex ICS 3000 and 5000 Systems
AC-021	Elemental Analysis Methodology of Filter-collected Airborne Particulate Matter (PM) by ICP-MS
AC-026	Ion Chromatographic Procedures using the Dionex ICS 3000 and 5000 Systems
AC-029	Procedure for the Equilibration and Weighing of Membrane Filters and PUFs on the Mettler Toledo Micro Balance
AC-035	Analysis of Glyphosate, Aminomethylphosphonic Acid and Glufosinate in Water
AC-038	Trace Metal Analysis of Water Samples by ICP-MS
AC-048	Specific Conductance (Conductivity Meter Method)
AC-049	pH (Meter Method)
AC-054	Alkalinity Total and Phenolphthalein
AC-058	Determination of Volatile Organic Compounds in Ambient Air by Gas Chromatography Mass Spectrometry
AC-060	Trace Metal Analysis of Soil Sediment and Industrial Waste Samples by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
AC-061	Trace Metal Analysis for Biological Samples by Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
AC-065	Analysis of Naphthenic Acids in Water by HPLC-Orbitrap-MS analysis
AC-074	Pesticides in Water
AC-079	Alkylated PAH in Soil and Sediment
AC-080	Alkylated PAH in Water (SPE Extraction)
NA-006	Determination of BTEX, F1 Hydrocarbons and F2, F3 and F4 Hydrocarbons in Water
NA-024	Analysis of Reduced Sulfur Compounds in Air

Qualifiers

Data Qualifier	Translation
B	Blank contamination; Analyte detected above the method reporting limit in an associated blank
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J1	Reported value is estimated; Surrogate recoveries limits were exceeded
J2	Reported value is estimated; No known QC criteria for this component
J3	Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
J4	Reported value is estimated; The sample matrix interfered with the analysis
K	Off-scale low. Actual value is known to be less than the value given
L	Off-scale high. Actual value is known to be greater than value given
N	Non-target analyte; Tentatively identified compound (using mass spectroscopy)
Q	Sample held beyond the accepted holding time
R	Rejected data; Not suitable for the projects intended use
T	Value reported is less than the laboratory method detection limit
U	Compound was analyzed for but not detected
V	Analyte was detected in both the sample and the associated method blank

Order Comments

24050178

Send results to pramptech@prampairshed.ca

Sample Comments

Result Comments

Note:

1. Results relate only to items tested and apply to the sample as received.

2. This report shall not be reproduced, except in full, without the explicit approval of the laboratory.

Passive Sampling Analytical Results

6744 - 50 St. Edmonton AB Canada T6B 3M9

Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Bureau Veritas Job Number: C440379

PASSIVE AIR CHAIN OF CUSTODY

Page ___ of ___

Invoice To	Report To	Service Requested	Company Name
Company Name	Name & Email Address	☐ RUSH (Please contact for TAT)	Peace River
Contact Name		☐ REGULAR	Project Name/LSD
Address			Peace River
City/Postal Code			
Phone/Fax#			

ANALYTICAL INFORMATION

Sample ID or Location (LSD)	Sample Start Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	Sample End Date (DD/MM/YY)	Time (HH:MM)	Volume (m3) PM/TSP Only	Analysis Required: SO2	H2S	NO2	O3	NH3	PM2.5	PM10	TSP	Dustfall				
1	05/01/24	8am	05/31/24	8am		X	X											
2						X	X											
3						X	X											
4						X	X											
7						X	X											
8						X	X											
9						X	X											
10						X	X											
11						X	X											
12						X	X											
13						X	X											
14						X	X											
Blank						X	X											
Blank		10:30 am		10:30		X	X											

Notes/Comments: Client 12521 / Scenario 18009

Sampled By: Kevin Mercredi Phone/Email: ___ Received By: ___ Date/Time: 05/31/24 1450

Date Shipped: ___ Signature: [signature] Project #: ___

PO#: 1445 NS 240603 Cesico

PTC FCD-00457/4 Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions.

Your Project #: 2024/05/01-2024/05/31
Site Location: PEACE RIVER COMPLEX

Attention: Michael and Lily

Peace River Area Monitoring Program Committee
Three Creeks
Suite 91, 305 –
4625 Varsity Drive NW
Calgary, AB
CANADA T3A0Z9

Report Date: 2024/06/14
Report #: R3513828
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C440379
Received: 2024/06/04, 08:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	12	2024/06/05	2024/06/11	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	12	2024/06/06	2024/06/11	PTC SOP-00149	Passive SO2 in ATM

This report shall not be reproduced except in full, without the written approval of the laboratory.
Results relate only to the items tested.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Rowena Geron
Customer Service Associate
14 Jun 2024 09:18:45

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Branko Banjac, General Manager responsible for Alberta Petroleum laboratory operations.

Bureau Veritas Edmonton: 6744 - 50 Street, T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		COQ899	COQ900	COQ901	COQ902	COQ903	COQ904	COQ905		
Sampling Date		2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.12	0.11	0.11	<0.02 (1)	0.10	0.05	0.08	0.02	B391827
Calculated SO2	ppb	0.2	0.2	0.3	<0.1 (1)	0.2	0.2	0.2	0.1	B392868

RDL = Reportable Detection Limit
(1) V7

Bureau Veritas ID		COQ906	COQ907	COQ908	COQ909	COQ910		
Sampling Date		2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00	2024/05/01 08:00		
	UNITS	10	11	12	13	14	RDL	QC Batch
Passive Monitoring								
Calculated H2S	ppb	0.12	0.17	0.10	0.10	0.10	0.02	B391827
Calculated SO2	ppb	0.2	0.1	0.1	0.1	<0.1 (1)	0.1	B392868

RDL = Reportable Detection Limit
(1) V7

GENERAL COMMENTS

Travel blank result for H2S exceeded acceptance criteria of >RDL. Possible contamination may have occurred. Sample results have been blank subtracted. 2024/06/11 SDK

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C440379
Report Date: 2024/06/14

Peace River Area Monitoring Program Committee
Client Project #: 2024/05/01-2024/05/31
Site Location: PEACE RIVER COMPLEX

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B391827	YYA	Spiked Blank	Calculated H2S			100	%	90 - 110
B392868	OZ	Spiked Blank	Calculated SO2			100	%	90 - 110
B392868	OZ	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

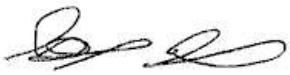
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C440379
Report Date: 2024/06/14

Peace River Area Monitoring Program Committee
Client Project #: 2024/05/01-2024/05/31
Site Location: PEACE RIVER COMPLEX

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Steven Gloux, Senior Analyst

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End of Report