Peace River Area Monitoring Program

FEBRUARY 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202402

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

March 8, 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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March 8, 2024

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

Enclosed is the February 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 February 2024 were submitted to Alberta's Ambient Air Data Warehouse through ETS for the 986-C station, 842-B station, Reno-B station, PRC station and AQHI-Grimshaw station.

Monitoring Notes during the Month of February 2024

All stations

- **TRS/H2S**: Low ambient temperatures, particularly from the middle of the month to the end of the month, had a marked effect on TRS/H2S span results. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS/H2S analyzer to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range (while low temperatures were occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid.
- **Precipitation** (only apply for 986-C, 842-B and Reno-B Station): Due to extreme cold weather conditions, precipitation gauge did not work; the built-in heating system does not work efficiently in very low ambient temperatures. Because of this issue, the precipitation gauge malfunctioned for the most time of the month. Precipitation data are excluded from this report. Precipitation is not required by OSM monitoring project. It is monitored to provide nearby residences/communities useful information for farming purposes.

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.
- No major operational issues were recorded this month.

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.
- No major operational issues were recorded this month.

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, except THC/CH4/NMHC (50.4%) – **DINC0005039**. As the cause of the analyzer issue carried from January to February, the DINC # for the January event is used for the February event.
- **THC/CH4/NMHC:** The analyzer failed February 15's as-found points check. Problem was traced to analyzer drift following work that was conducted on the H2 generator on January 9. The analyzer was recalibrated without further issue on February 15. Data collected between January 9 and February 15 were discarded. Three hundred forty-five hours of downtime were recorded in February due to this event.

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.
- No major operational issues were recorded this month.

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.
- There was no canister event in February.

Revisions to Alberta's Ambient Air Quality Data Warehouse

AQHI - Grimshaw Station: PM2.5 data collected from January 2023 to December 2023 were resubmitted on March 1, 2024. Alberta Airsheds received the T640 PM2.5 data adjustment request from AEPA in 2023 by using the alignment factor calculation, see table below. AEPA provided the revised dataset to PRAMP on February 29. Revised data were reviewed and submitted by PRAMP TPMs on March 1, 2024. **ETS request #: 464831**.

Criteria		Action on data
Ambient Temperature ≤ 20°C	PM2.5 concentration ≤ 10 µg/m3	Multiply by 0.813233
	PM2.5 concentration > 10 µg/m3	Subtract 1.861 µg/m3
Ambient Temperature > 20°C	PM2.5 concentration ≤ 5 µg/m3	Multiply by 0.813233
	PM2.5 concentration > 5 µg/m3	Subtract 0.925 µg/m3

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).

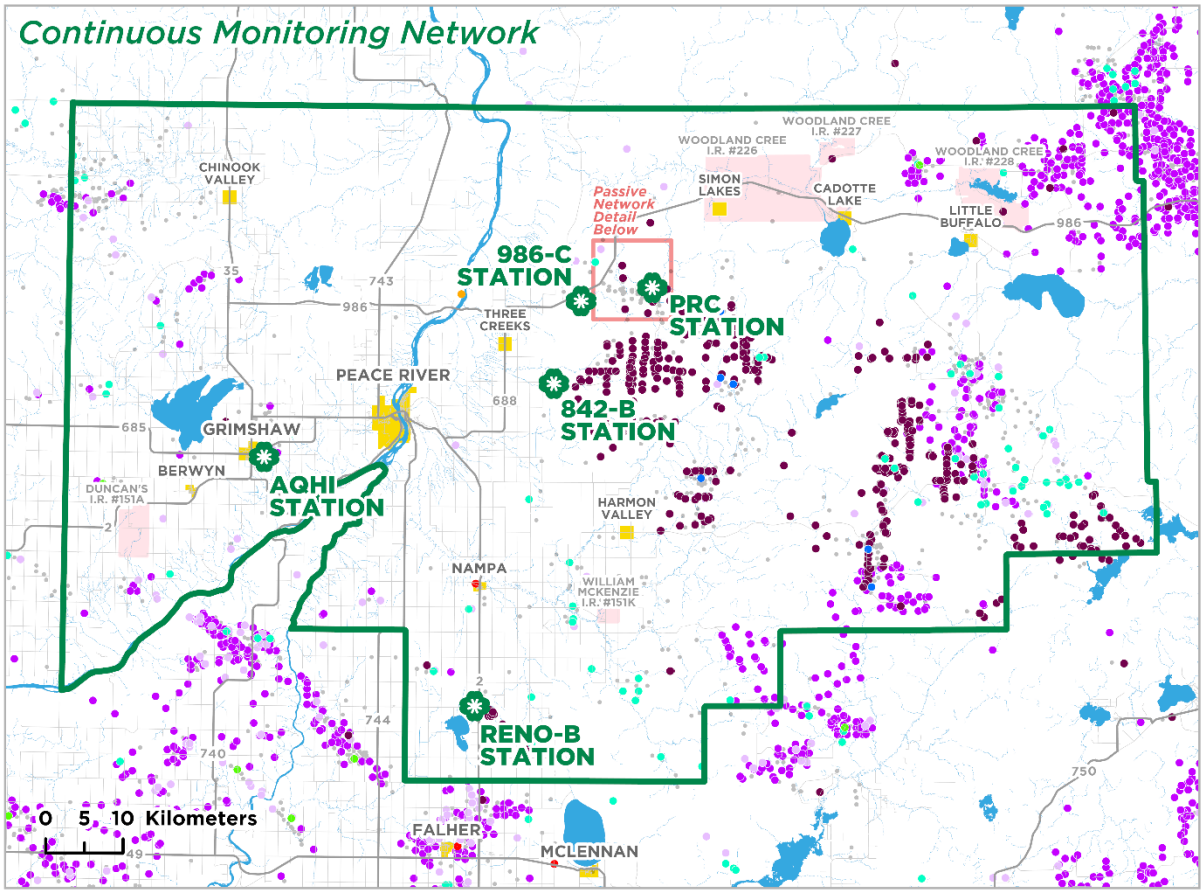
Lily Lin, Technical Program Manager, PRAMP Airshed

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 Alberta's Ambient Air Quality Data Warehouse 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



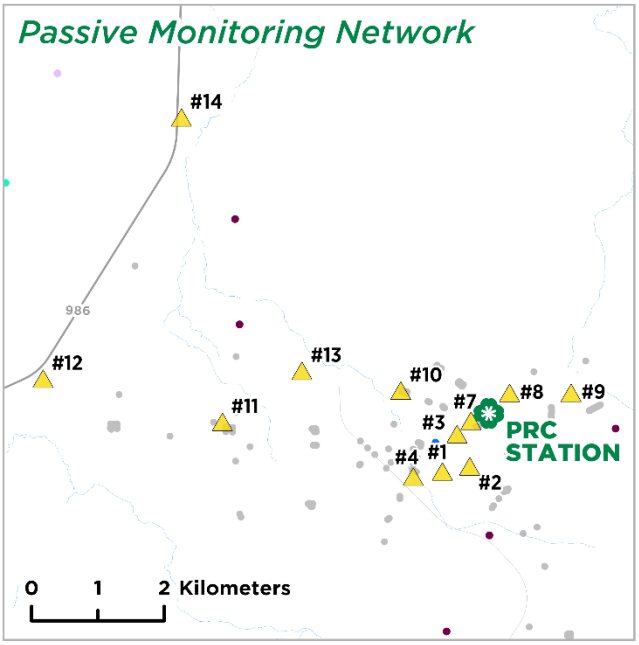
Legend

- 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)

Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS



CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	• A successful monthly calibration was performed on February 1. • Twenty-six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	• A successful monthly calibration was performed on February 1. • The analyzer failed the as-found points check on February 15. The SO2 scrubber material was replaced, and the analyzer was allowed time to stabilize overnight. A post-repair calibration was completed on February 16. Data were invalidated back to the last valid calibration check, which was February 14. Forty-three hours of downtime were recorded due to this event. • Low ambient temperatures, between the middle of the month and the end of the month, had a marked effect on TRS span results. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS analyzer to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range (while low temperatures were occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid. • Twenty-six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
THC/CH4/NMHC Thermo 55i #12208316589 H2 Generator HG300 #191267063	• A successful monthly calibration was performed on February 1. The span gas cylinder was replaced during the calibration. • A repeat multi-point calibration was completed on February 15 to correct span drift issue. Four hours of downtime were recorded due to this event. • Twenty-six hours of data recorded on February 19 and February 20 were lost due to datalogger errors. • Injection issues occurred between February 1 and February 19 due to unstable station temperature. The HVAC was fixed on February19. Minute data were reviewed and discarded if data quality was affected by bad injections. Hourly data were recalculated using the revised 1-minute dataset. No hourly data were invalidated as hourly data completeness requirement was met.

Parameter	Equipment Operational Summary
RH Rotronic HC2-S3 #20626912	• The RH probe was checked on February 1. The probe passed the check requirements. • Six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
BP MetOne 092 #Y23358	• The BP sensor was checked on February 1. The sensor passed the check requirements. • Six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
AT Rotronic HC2-S3 #20626912	• The AT probe was checked on February 1. The probe passed the check requirements. • Six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
ST COMET #18961918	• Six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.
Precipitation RM Young 52202 #TB 16325	• Due to extreme cold weather conditions, precipitation gauge did not work; the built-in heating system does not work efficiently in very low ambient temperatures. Because of this issue, the precipitation gauge malfunctioned for the most time of the month. Precipitation data are excluded from this report.
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 February 1. The wind system passed the check requirements. • Six hours of data recorded on February 19 and February 20 were lost due to datalogger errors.

Monitored Data Summary for 986-C Station

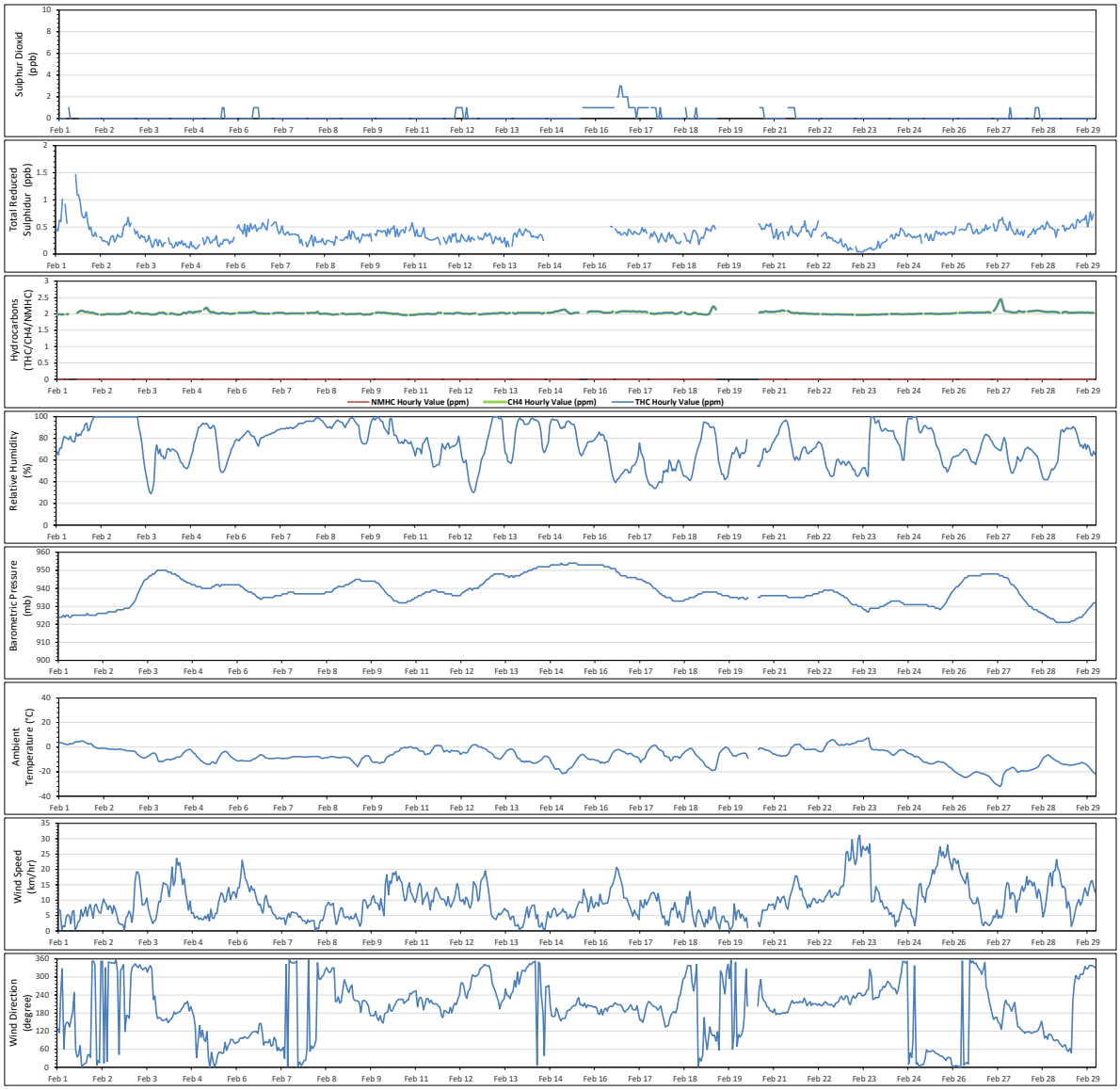
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	3	Feb 16 at hr 16	17.9	SSW	1.4	Feb 16	96.3	91.2
TRS (ppb)	-	-	-	-	-	-	0.36	0.04	1.47	Feb 1 at hr 13	2.9	NE	0.76	Feb 1	90.1	85.2
THC (ppm)	-	-	-	-	-	-	2.03	1.96	2.45	Feb 27 at hr 8	4.2	SE	2.13	Feb 27	95.7	90.6
CH4 (ppm)	-	-	-	-	-	-	2.03	1.96	2.45	Feb 27 at hr 8	4.2	SE	2.13	Feb 27	95.7	90.6
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	7	SE	0.00	Feb 1	95.7	90.6
RH (%)	-	-	-	-	-	-	74.3	29	100	Feb 2 at hr 1	8.7	NNW	99.9	Feb 2	99.1	99.1
BP (millibar)	-	-	-	-	-	-	938	921	954	Feb 15 at hr 1	6.2	SSE	953	Feb 15	99.1	99.1
Ext. Temp. (°C)	-	-	-	-	-	-	-7.6	-32.0	7.2	Feb 23 at hr 14	27.5	WSW	3.3	Feb 1	99.1	99.1
Stn. Temp. (°C)	-	-	-	-	-	-	23.8	14.2	28.0	Feb 12 at hr 14	16	NW	25.7	Feb 12	99.1	99.1
WSV (km/hr)	-	-	-	-	-	-	2.0	0.1	31.2	Feb 23 at hr 9	31.2	WSW	21.8	Feb 23	99.1	99.1
WDV (sector)	-	-	-	-	-	-	206 (SSW)	-	-	-	-	-	-	-	99.1	99.1

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

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 Feb 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 February 14. • No operational issues were noted.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583	• A successful monthly calibration was performed on February 14. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1501663728 H2 Generator HG300 #190567058	• A successful monthly calibration was performed on February 14. • No operational issues were noted.
RH Rotronic HC2-S3 #20370767	• The RH probe was checked on February 14. The probe passed the check requirements. • No operational issues were noted.
AT Rotronic HC2-S3 #20370767	• The AT probe was checked on February 14. The probe passed the check requirements. • No operational issues were noted.
BP MetOne 092 #Y23362	• The BP sensor was checked on February 14. The sensor passed the check requirements. • No operational issues were noted.
ST COMET #20790297	• No operational issues were noted.

Parameter	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15878	• Due to extreme cold weather conditions, precipitation gauge did not work; the built-in heating system does not work efficiently in very low ambient temperatures. Because of this issue, the precipitation gauge malfunctioned for the most time of the month. Precipitation data are excluded from this report.
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 February 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

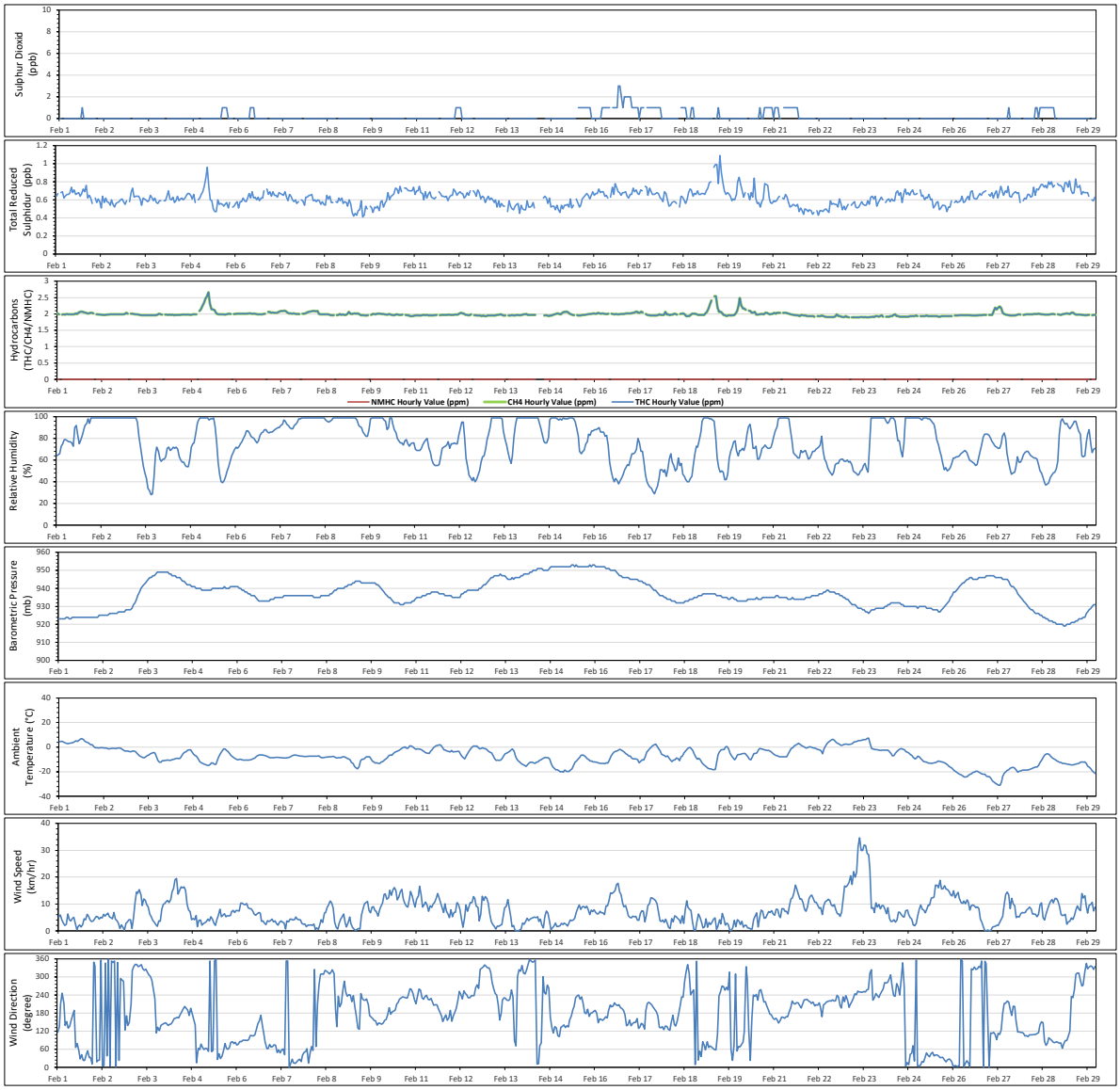
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.2	0	3	Feb 16 at hr 15	17.7	SSW	1.3	Feb 16	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.62	0.41	1.09	Feb 19 at hr 12	2.6	WSW	0.75	Feb 19	100.0	94.9
THC (ppm)	-	-	-	-	-	-	1.99	1.90	2.66	Feb 5 at hr 5	3.7	NE	2.13	Feb 5	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	1.99	1.90	2.66	Feb 5 at hr 5	3.7	NE	2.13	Feb 5	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	5.1	ESE	0.00	Feb 1	100.0	94.9
RH (%)	-	-	-	-	-	-	76.5	28	99	Feb 1 at hr 23	3.7	NNE	99.0	Feb 2	100.0	100.0
BP (millibar)	-	-	-	-	-	-	937	919	953	Feb 15 at hr 8	3.8	S	952	Feb 15	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-7.7	-31.2	7.3	Feb 23 at hr 15	28.4	WSW	4.0	Feb 1	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.4	20.9	23.5	Feb 27 at hr 8	4.2	ESE	22.9	Feb 27	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	1.9	0.0	34.6	Feb 23 at hr 9	34.6	WSW	20.2	Feb 23	100.0	100.0
WDV (sector)	-	-	-	-	-	-	211 (SSW)	-	-	-	-	-	-	-	100.0	100.0

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

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 Feb 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 February 15. • No operational issues were noted.
TRS Thermo 43iQTL #12101910504 **TRS Convertor** CD Nova CDN-101 #590	• A successful monthly calibration was performed on February 15. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #210467069	• The analyzer failed the daily span check on February 11 due to span gas depletion. The gas cylinder was replaced on Feb 13. • The analyzer failed the as-found points check on February 15. Problem was traced to analyzer drift following work that was conducted on the H2 generator on January 9. The analyzer was recalibrated without further issue on February 15. Data collected between January 9 and February 15 were discarded. Three hundred forty-five hours of downtime were recorded in February due to this event.
RH Rotronic HC2-S3 #20467597	• The RH probe was checked on February 15. The probe passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
BP MetOne 092 #A17940	• The BP sensor was checked on February 15. The sensor passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.
AT Rotronic HC2-S3 #20467597	• The AT probe was checked on February 15. The probe passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Parameter	Equipment Operational Summary
ST COMET #NA	• No operational issues were noted.
Precipitation RM Young 52202 #TB 15877	• Due to extreme cold weather conditions, precipitation gauge did not work; the built-in heating system does not work efficiently in very low ambient temperatures. Because of this issue, the precipitation gauge malfunctioned for the most time of the month. Precipitation data are excluded from this report.
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 February 15. The wind sensors passed the check requirements. • One hour of downtime was recorded as the hourly data completeness requirement did not meet due to datalogger polling errors.

Monitored Data Summary for Reno-B Station

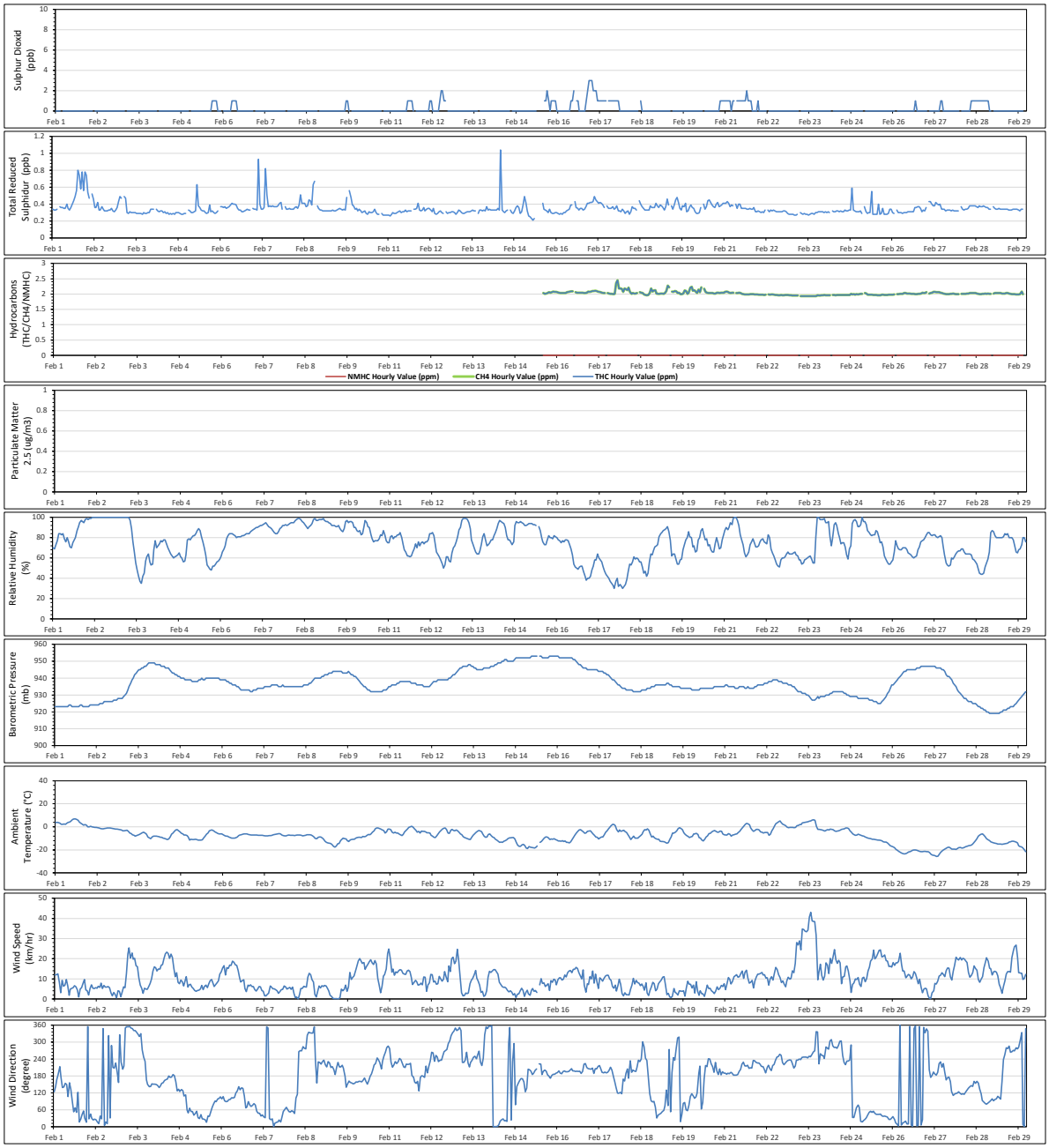
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.2	0	3	Feb 16 at hr 22	7.1	SSW	1.0	Feb 17	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.35	0.21	1.04	Feb 14 at hr 8	6.2	NNE	0.47	Feb 1	100.0	94.9
THC (ppm)	-	-	-	-	-	-	NA	1.93	2.45	Feb 17 at hr 19	7	ESE	2.10	Feb 17	50.4	47.5
CH4 (ppm)	-	-	-	-	-	-	NA	1.93	2.45	Feb 17 at hr 19	7	ESE	2.10	Feb 17	50.4	47.5
NMHC (ppm)	-	-	-	-	-	-	NA	0.00	0.00	Feb 15 at hr 14	7.9	SSW	0.00	Feb 16	50.4	47.5
RH (%)	-	-	-	-	-	-	75.6	30	100	Feb 2 at hr 4	5.1	NNE	99.8	Feb 2	99.9	99.9
BP (millibar)	-	-	-	-	-	-	937	919	953	Feb 15 at hr 5	4.4	SSW	953	Feb 15	99.9	99.9
Ext. Temp. (°C)	-	-	-	-	-	-	-7.7	-25.7	6.8	Feb 1 at hr 13	5.6	E	3.6	Feb 1	99.9	99.9
Stn. Temp. (°C)	-	-	-	-	-	-	22.9	21.6	23.8	Feb 27 at hr 6	7.7	S	23.5	Feb 27	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	2.0	0.0	43.0	Feb 23 at hr 13	43	WSW	26.1	Feb 23	99.9	99.9
WDV (sector)	-	-	-	-	-	-	203 (SSW)	-	-	-	-	-	-	-	99.9	99.9

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

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 Feb 2024 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43i #1034746225	• The sample pump started getting weak on February 11. Following a successful shut-down calibration on February 12, the sample pump was repaired. The analyzer was allowed time to stabilize overnight. A post-repair calibration was completed on February 13. Twelve hours of data that were collected between February 11 and February 12 were affected by the pump issue and therefore invalidated. Thirty-seven hours of downtime were recorded due to this event.
H2S Thermo 450i #1308857354	• A successful monthly calibration was performed on February 13. • No operational issues were noted.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	• A successful monthly calibration was performed on February 13. • No operational issues were noted.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	• A successful monthly calibration was performed on February 13. • No operational issues were noted.
RH Rotronic HC2-S3 #20558318	• The RH sensor was checked on February 13. The sensor passed the check requirements. • No operational issues were noted.
BP MetOne 092 #B19577	• The BP sensor was checked on February 13. 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 February 13. 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 February 13. The sensors passed the check requirements. • No operational issues were noted.

Monitored Data Summary for Peace River Complex (PRC) Station

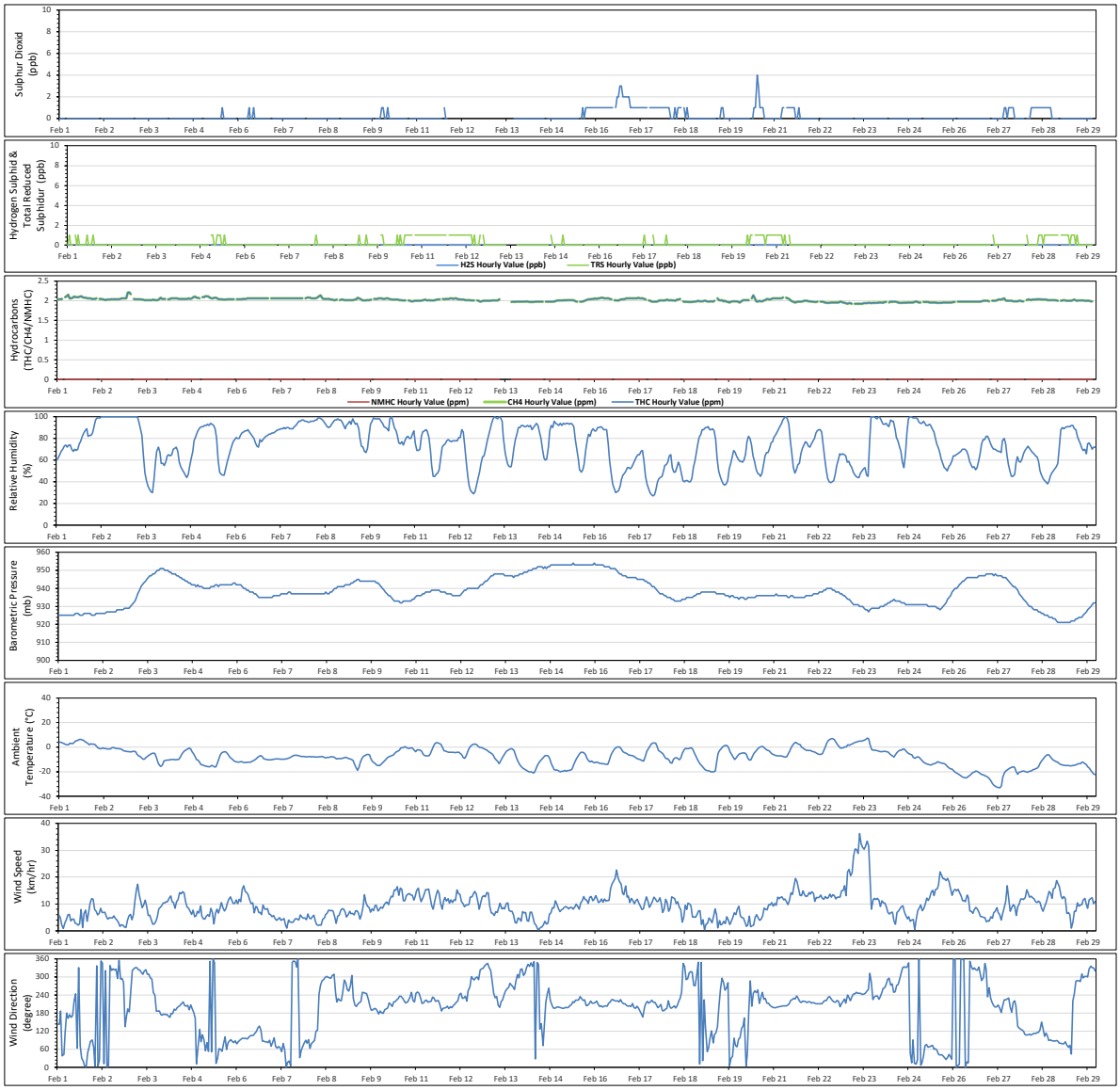
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.2	0	4	Feb 20 at hr 12	6	WSW	1.5	Feb 16	94.7	89.5
H2S (ppb)	10	3	-	0	0	-	0.0	0	0	Feb 1 at hr 0	5.9	SE	0.0	Feb 1	100.0	94.7
TRS (ppb)	-	-	-	-	-	-	0.2	0	1	Feb 1 at hr 1	4.9	SE	1.0	Feb 11	100.0	94.7
THC (ppm)	-	-	-	-	-	-	2.02	1.93	2.22	Feb 3 at hr 0	6.2	S	2.08	Feb 1	100.0	94.8
CH4 (ppm)	-	-	-	-	-	-	2.02	1.93	2.22	Feb 3 at hr 0	6.2	S	2.08	Feb 1	100.0	94.8
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	5.9	SE	0.00	Feb 1	100.0	94.8
RH (%)	-	-	-	-	-	-	73.6	27	100	Feb 2 at hr 6	6.9	NNW	98.8	Feb 2	100.0	100.0
BP (millibar)	-	-	-	-	-	-	938	921	954	Feb 15 at hr 9	8.1	SW	953	Feb 15	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-8.1	-33.2	7.2	Feb 23 at hr 14	33.4	WSW	3.7	Feb 1	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.6	20.1	23.4	Feb 18 at hr 9	7.9	SW	21.9	Feb 22	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	3.4	0.4	36.2	Feb 23 at hr 9	36.2	WSW	22.6	Feb 23	100.0	100.0
WDV (sector)	-	-	-	-	-	-	222 (SW)	-	-	-	-	-	-	-	100.0	100.0

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

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 Feb 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 February 1. • 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 February 1. • Repeat zero-span checks were initiated on both February 15 and February 16 to assess span drifts. Two hours of downtime were recorded as a result.
NOx/NO/NO2 API 200E #594 Teledyne T200 #837	• The analyzer failed the January 24's daily span check due to the depleted permeation tube. The permeation tube was replaced during the monthly calibration was completed on February 1. Data quality was not affected by this issue.
O3 Teledyne T400 #824	• A successful monthly calibration was performed on February 2. • No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #1191032505 H2 Generator AMA HG300 #190567059	• A successful monthly calibration was performed on February 2. • No operational issues were identified this month.
PM2.5 Teledyne T640 #318	• A successful monthly audit was performed on February 2. • No operational issues were identified this month.

Parameter	Equipment Operational Summary
RH Vaisala HMP155 #N2910506	• The RH probe was checked on February 2. The Probe passed the check requirements. • No operational issues were identified this month.
BP MetOne 092 #A2397	• The BP sensor was checked on February 2. The sensor passed the check requirements. • No operational issues were identified this month.
AT Vaisala HMP155 #N2910506	• The AT prober was checked on February 2. 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 February 2. 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

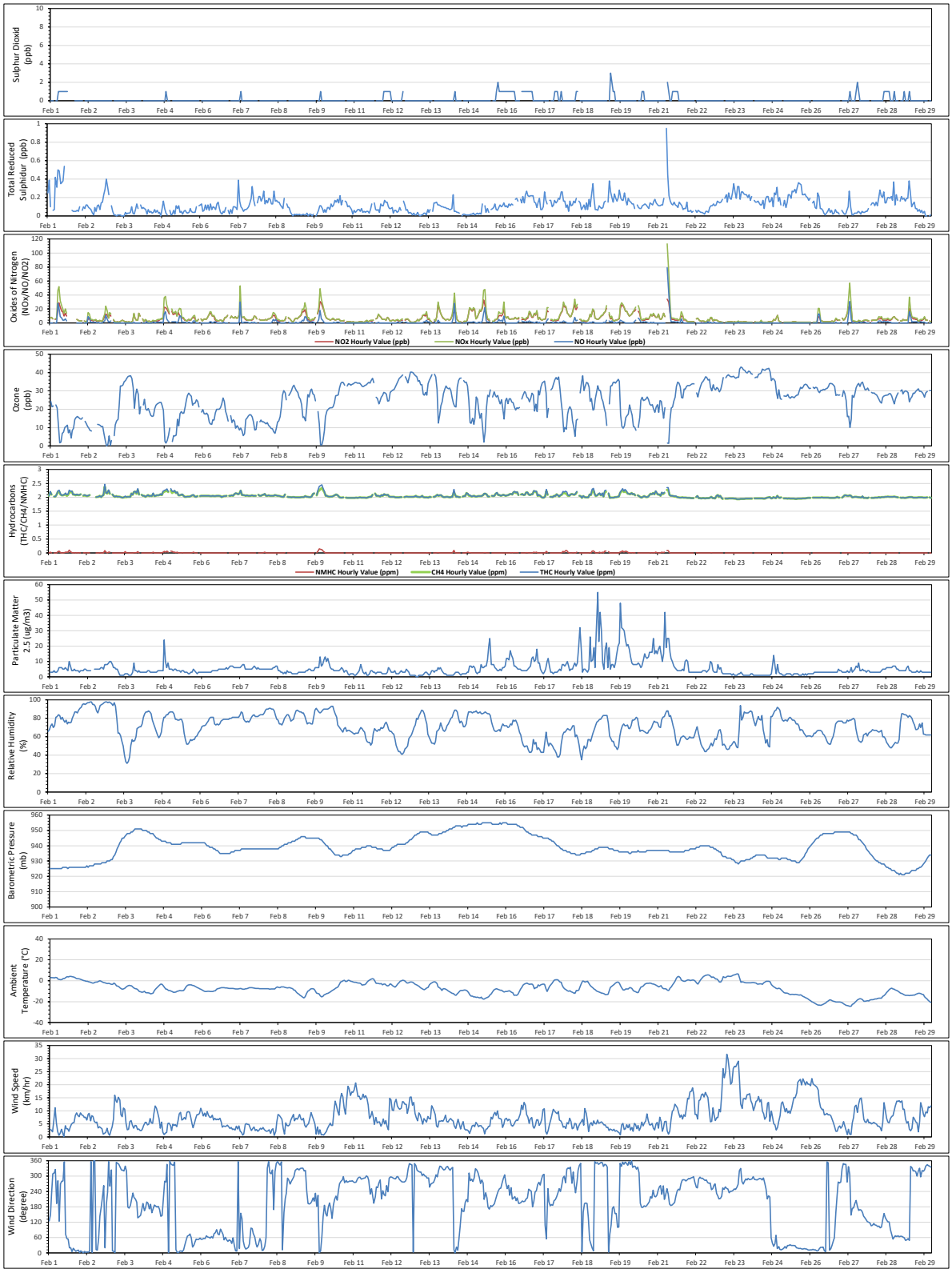
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	3	Feb 19 at hr 10	3	ENE	0.7	Feb 16	100.0	94.8
TRS (ppb)	-	-	-	-	-	-	0.12	0.00	0.95	Feb 21 at hr 7	2.3	WSW	0.25	Feb 1	99.7	94.5
NOx (ppb)	-	-	-	-	-	-	8.1	1	113	Feb 21 at hr 7	2.3	WSW	15.8	Feb 21	100.0	94.5
NO (ppb)	-	-	-	-	-	-	1.4	0	79	Feb 21 at hr 7	2.3	WSW	6.8	Feb 21	100.0	94.5
NO2 (ppb)	159	-	-	0	-	-	6.6	1	34	Feb 21 at hr 7	2.3	WSW	11.7	Feb 19	100.0	94.5
O3 (ppb)	76	-	-	0	-	-	25.0	0.1	43.1	Feb 23 at hr 17	12.7	NNW	38.2	Feb 23	100.0	94.9
THC (ppm)	-	-	-	-	-	-	2.05	1.93	2.47	Feb 2 at hr 20	1.7	NNE	2.13	Feb 16	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.05	1.93	2.39	Feb 2 at hr 20	1.7	NNE	2.12	Feb 16	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.01	0.00	0.15	Feb 9 at hr 21	2.7	N	0.02	Feb 9	100.0	94.9
PM2.5 (µg/m3)	80	29	-	0	0	-	5.6	0	55	Feb 19 at hr 0	6.4	N	21.1	Feb 19	100.0	99.7
RH (%)	-	-	-	-	-	-	70.6	31	98	Feb 2 at hr 9	8.1	N	94.4	Feb 2	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	921	955	Feb 15 at hr 1	4.9	NW	955	Feb 15	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-7.3	-24.4	6.5	Feb 23 at hr 14	28	WSW	2.7	Feb 1	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.9	20.1	25.6	Feb 11 at hr 16	4.8	SSW	22.9	Feb 11	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	7.7	0.1	31.7	Feb 23 at hr 6	31.7	WSW	20.7	Feb 23	100.0	100.0
WDV (sector)	-	-	-	-	-	-	307 (NW)	-	-	-	-	-	-	-	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 Feb 2024 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

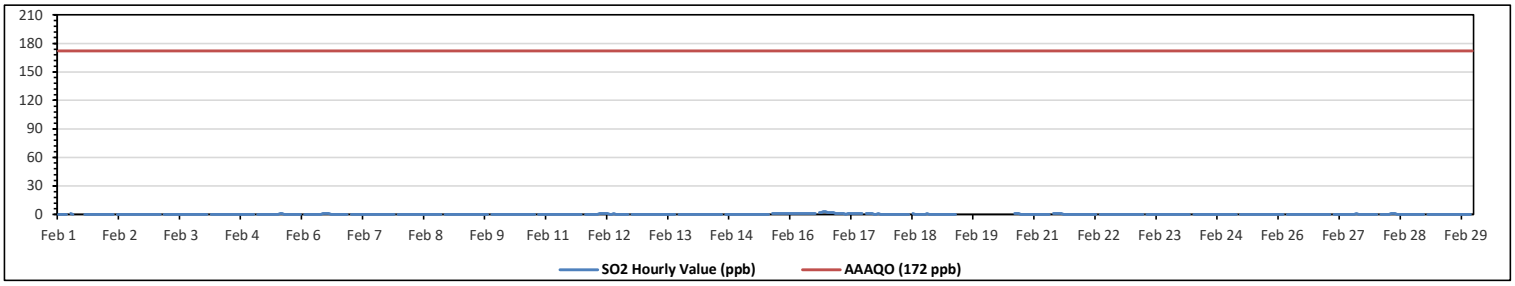
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

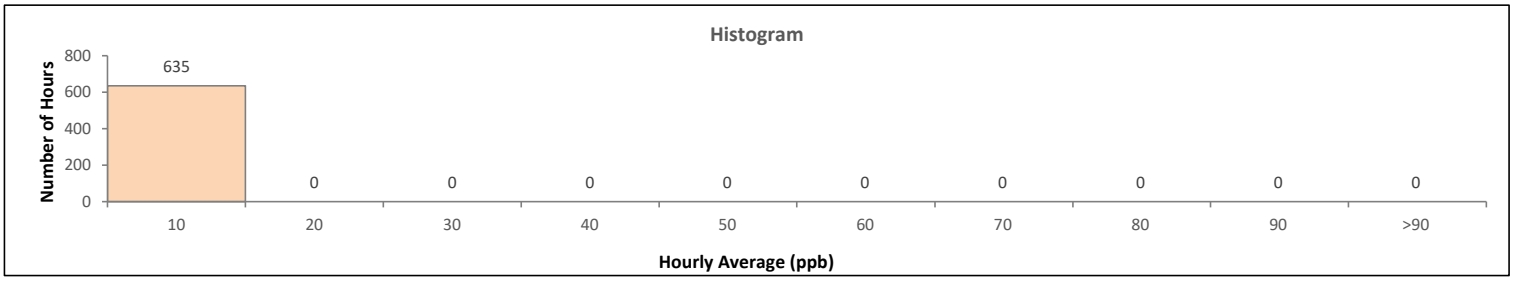
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	3	ppb	on Feb 16 at hr 16	Hours in Service:	696	
Maximum Daily Value:	1.4	ppb	on Feb 16	Hours of Data:	635	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	26	
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	35	
Monthly Average:	0.1	ppb		Operational Uptime:	96.3	

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			
Feb 1	0	0	0	0	0	S	1	0	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 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
Feb 3	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
Feb 4	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
Feb 5	0	S	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 6	S	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	S	0	1	0.2
Feb 7	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
Feb 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
Feb 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
Feb 10	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
Feb 11	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
Feb 12	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.3
Feb 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
Feb 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
Feb 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	1	1	1	1	1	1	1	0	1	0.4
Feb 16	1	1	1	1	1	1	1	1	1	1	1	1	1	S	2	2	3	3	2	2	2	2	1	1	1	3	1.4
Feb 17	1	1	1	0	1	1	1	1	1	1	1	1	S	1	1	1	1	0	0	1	0	0	0	0	0	1	0.7
Feb 18	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0.1
Feb 19	0	0	0	0	0	0	0	0	0	0	S	1	K	K	K	K	K	K	K	K	K	K	K	K	0	1	NA
Feb 20	K	K	K	K	K	K	K	K	K	K	K	K	K	K	1	1	1	0	0	0	0	0	0	0	0	1	NA
Feb 21	0	0	0	0	0	0	0	0	S	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 27	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 28	0	S	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 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
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	2	1	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	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.



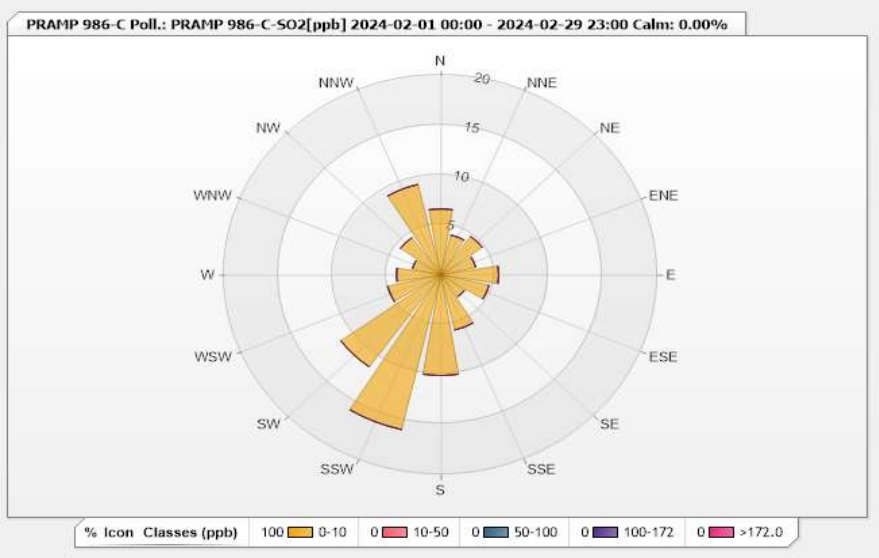


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 91.24% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	6.61	0	0	0	0	6.61
NNE	4.09	0	0	0	0	4.09
NE	4.72	0	0	0	0	4.72
ENE	3.31	0	0	0	0	3.31
E	5.35	0	0	0	0	5.35
ESE	4.57	0	0	0	0	4.57
SE	2.68	0	0	0	0	2.68
SSE	5.67	0	0	0	0	5.67
S	10.08	0	0	0	0	10.08
SSW	15.91	0	0	0	0	15.91
SW	11.34	0	0	0	0	11.34
WSW	5.04	0	0	0	0	5.04
W	4.09	0	0	0	0	4.09
WNW	2.68	0	0	0	0	2.68
NW	4.57	0	0	0	0	4.57
NNW	9.29	0	0	0	0	9.29
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

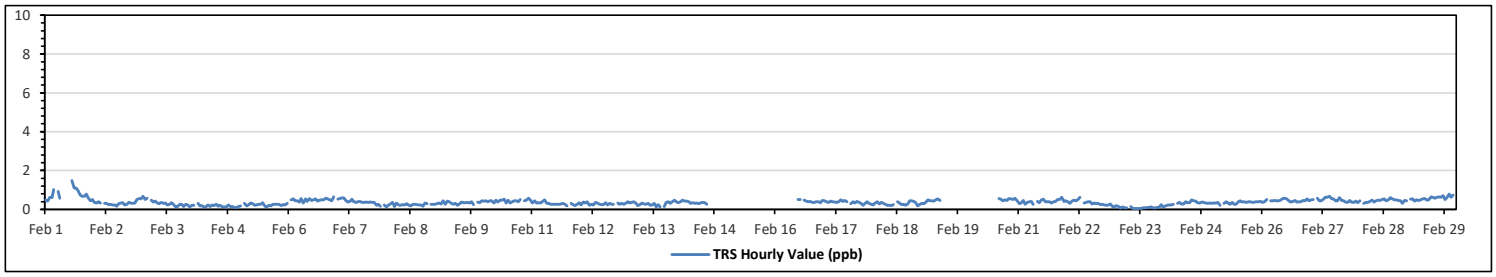
TOTAL REDUCED SULPHUR (TRS) in ppb

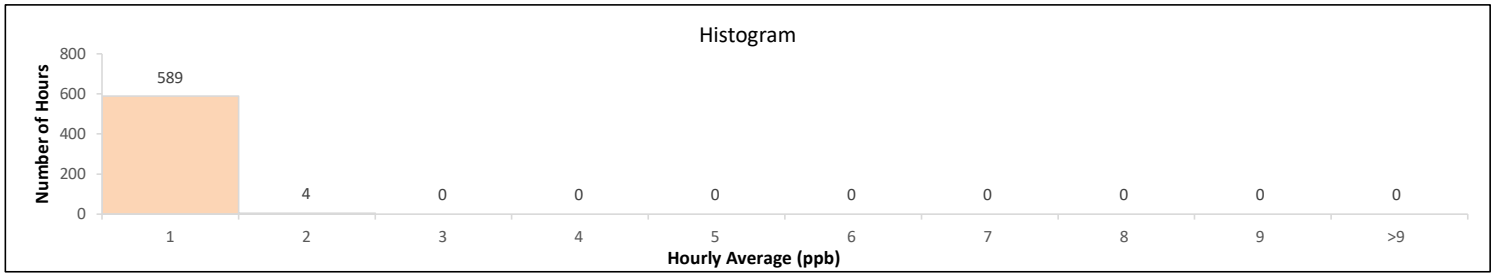
Maximum Hourly Value:	1.47	ppb	on Feb 1 at hr 13	Hours in Service:	696	
Maximum Daily Value:	0.76	ppb	on Feb 1	Hours of Data:	593	
Minimum Hourly Value:	0.04	ppb	on Feb 23 at hr 8	Hours of Missing Data:	69	
Minimum Daily Value:	0.10	ppb	on Feb 23	Hours of Calibration:	34	
Monthly Average:	0.36	ppb		Operational Uptime:	90.1	

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			
Feb 1	0.47	0.42	0.62	0.6	1.01	S	0.92	0.57	C	C	C	C	C	**1.47**	1.09	1.09	0.96	0.73	0.67	0.67	0.78	0.59	0.45	0.5	0.42	**1.47**	**0.76**
Feb 2	0.35	0.32	0.4	0.32	S	0.31	0.31	0.24	0.25	0.23	0.23	0.16	0.29	0.33	0.34	0.22	0.27	0.36	0.33	0.31	0.32	0.5	0.55	0.54	0.16	0.55	0.33
Feb 3	0.68	0.51	0.57	S	0.47	0.37	0.42	0.32	0.29	0.35	0.31	0.32	0.22	0.25	0.34	0.25	0.12	0.15	0.26	0.27	0.15	0.26	0.22	0.13	0.12	0.68	0.31
Feb 4	0.2	0.21	S	0.3	0.18	0.19	0.11	0.13	0.22	0.15	0.23	0.19	0.25	0.16	0.2	0.13	0.13	0.11	0.23	0.14	0.15	0.1	0.1	0.14	0.10	0.30	0.17
Feb 5	0.17	S	0.3	0.17	0.23	0.32	0.29	0.2	0.22	0.26	0.26	0.34	0.16	0.13	0.2	0.18	0.27	0.25	0.27	0.25	0.19	0.24	0.22	0.31	0.13	0.34	0.24
Feb 6	S	0.48	0.54	0.45	0.44	0.37	0.55	0.32	0.53	0.41	0.56	0.46	0.49	0.54	0.42	0.47	0.48	0.48	0.58	0.54	0.48	0.44	0.64	S	0.32	0.64	0.49
Feb 7	0.52	0.55	0.59	0.59	0.46	0.37	0.41	0.52	0.4	0.35	0.39	0.41	0.35	0.36	0.37	0.36	0.37	0.35	0.35	0.2	0.27	0.16	S	0.22	0.16	0.59	0.39
Feb 8	0.13	0.22	0.28	0.35	0.15	0.32	0.23	0.21	0.24	0.22	0.29	0.2	0.17	0.25	0.25	0.24	0.22	0.23	0.16	0.33	0.29	S	0.26	0.25	0.13	0.35	0.24
Feb 9	0.25	0.29	0.32	0.28	0.43	0.27	0.42	0.4	0.3	0.27	0.31	0.21	0.28	0.37	0.34	0.34	0.36	0.33	0.38	0.24	S	0.37	0.34	0.44	0.21	0.44	0.33
Feb 10	0.42	0.43	0.4	0.43	0.43	0.33	0.47	0.37	0.47	0.47	0.52	0.32	0.47	0.32	0.4	0.44	0.45	0.39	0.5	S	0.43	0.47	0.58	0.47	0.32	0.58	0.43
Feb 11	0.33	0.45	0.32	0.34	0.32	0.41	0.49	0.3	0.3	0.27	0.26	0.26	0.26	0.27	0.28	0.31	0.27	0.17	S	0.31	0.24	0.19	0.27	0.34	0.17	0.49	0.30
Feb 12	0.22	0.37	0.32	0.38	0.21	0.25	0.22	0.36	0.32	0.27	0.24	0.24	0.34	0.23	0.31	0.27	0.26	S	0.33	0.27	0.3	0.26	0.3	0.39	0.21	0.39	0.29
Feb 13	0.33	0.35	0.38	0.31	0.19	0.24	0.32	0.28	0.26	0.31	0.21	0.23	0.3	0.13	0.24	0.13	S	0.15	0.36	0.39	0.31	0.4	0.47	0.39	0.13	0.47	0.29
Feb 14	0.34	0.4	0.47	0.42	0.42	0.4	0.31	0.34	0.31	0.32	0.29	0.34	0.36	0.34	0.25	S	X	X	X	X	X	X	X	X	0.25	0.47	NA
Feb 15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Feb 16	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	0.51	0.5	S	0.47	0.42	0.38	0.41	0.35	0.36	0.4	0.38	0.34	0.46	0.34	0.51	NA
Feb 17	0.43	0.38	0.36	0.42	0.39	0.37	0.36	0.4	0.49	0.41	0.46	0.38	S	0.29	0.38	0.32	0.41	0.35	0.31	0.21	0.3	0.38	0.31	0.26	0.21	0.49	0.36
Feb 18	0.22	0.33	0.4	0.28	0.36	0.31	0.27	0.2	0.21	0.19	0.24	S	0.38	0.33	0.24	0.25	0.2	0.28	0.43	0.44	0.41	0.34	0.17	0.27	0.17	0.44	0.29
Feb 19	0.31	0.29	0.37	0.49	0.44	0.45	0.42	0.51	0.53	0.46	S	0.52	K	K	K	K	K	K	K	K	K	K	K	K	0.29	0.53	NA
Feb 20	K	K	K	K	K	K	K	K	K	K	K	K	K	K	0.56	0.52	0.45	0.48	0.46	0.55	0.53	0.51	0.57	0.44	0.44	0.57	NA
Feb 21	0.29	0.32	0.46	0.27	0.36	0.4	0.41	0.27	S	0.41	0.34	0.48	0.52	0.4	0.38	0.38	0.32	0.39	0.41	0.51	0.5	0.61	0.41	0.44	0.27	0.61	0.40
Feb 22	0.38	0.31	0.42	0.47	0.44	0.51	0.61	S	0.33	0.36	0.39	0.4	0.28	0.32	0.29	0.3	0.24	0.25	0.22	0.2	0.22	0.28	0.15	0.13	0.13	0.61	0.33
Feb 23	0.19	0.14	0.06	0.12	0.09	0.09	S	0.14	0.04	0.05	0.04	0.04	0.04	0.08	0.07	0.1	0.1	0.12	0.08	0.08	0.1	0.11	0.24	0.11	0.04	0.24	0.10
Feb 24	0.18	0.21	0.22	0.23	0.27	S	0.31	0.36	0.28	0.28	0.38	0.34	0.34	0.48	0.45	0.42	0.34	0.32	0.37	0.36	0.33	0.3	0.33	0.3	0.18	0.48	0.32
Feb 25	0.32	0.32	0.36	0.2	S	0.31	0.38	0.33	0.25	0.36	0.26	0.25	0.39	0.43	0.37	0.4	0.35	0.39	0.4	0.35	0.37	0.4	0.4	0.41	0.20	0.43	0.35
Feb 26	0.36	0.4	0.51	S	0.44	0.45	0.46	0.45	0.44	0.47	0.56	0.57	0.54	0.43	0.37	0.41	0.46	0.37	0.39	0.4	0.46	0.43	0.54	0.45	0.36	0.57	0.45
Feb 27	0.48	0.5	S	0.57	0.43	0.43	0.52	0.63	0.62	0.68	0.56	0.54	0.44	0.45	0.6	0.46	0.43	0.37	0.36	0.46	0.37	0.36	0.42	0.34	0.34	0.68	0.48
Feb 28	0.44	S	0.3	0.36	0.36	0.41	0.47	0.37	0.45	0.47	0.46	0.51	0.53	0.45	0.49	0.6	0.54	0.49	0.49	0.46	0.45	0.31	0.46	0.44	0.30	0.60	0.45
Feb 29	S	0.52	0.53	0.42	0.48	0.46	0.48	0.53	0.56	0.47	0.48	0.64	0.62	0.58	0.62	0.64	0.63	0.71	0.5	0.6	0.78	0.62	0.73	S	0.42	0.78	0.57
Diurnal Maximum	0.68	0.55	0.62	0.60	1.01	0.51	0.92	0.63	0.62	0.68	0.56	0.64	0.62	1.47	1.09	1.09	0.96	0.73	0.67	0.67	0.78	0.62	0.73	0.54			
Diurnal Average	0.33	0.36	0.40	0.37	0.38	0.35	0.41	0.35	0.35	0.34	0.34	0.35	0.36	0.38	0.38	0.37	0.36	0.35	0.37	0.36	0.37	0.36	0.38	0.34			

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.



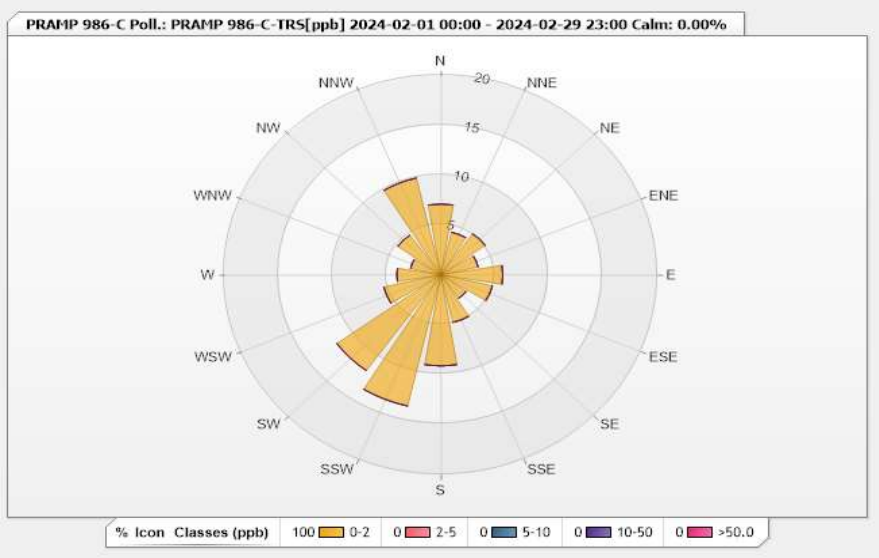


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 85.20% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.08	0	0	0	0	7.08
NNE	4.38	0	0	0	0	4.38
NE	5.06	0	0	0	0	5.06
ENE	3.54	0	0	0	0	3.54
E	5.73	0	0	0	0	5.73
ESE	4.89	0	0	0	0	4.89
SE	2.87	0	0	0	0	2.87
SSE	4.89	0	0	0	0	4.89
S	9.11	0	0	0	0	9.11
SSW	13.49	0	0	0	0	13.49
SW	11.8	0	0	0	0	11.8
WSW	5.4	0	0	0	0	5.4
W	4.05	0	0	0	0	4.05
WNW	2.87	0	0	0	0	2.87
NW	4.89	0	0	0	0	4.89
NNW	9.95	0	0	0	0	9.95
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

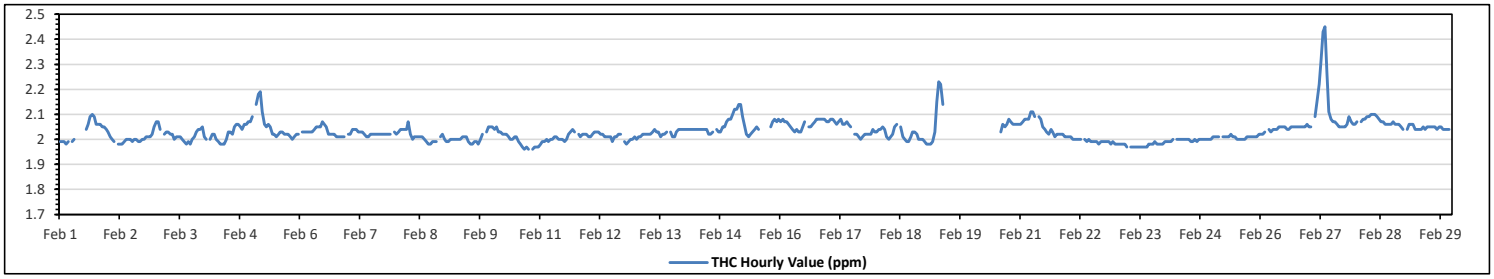
TOTAL HYDROCARBONS (THC) in ppm

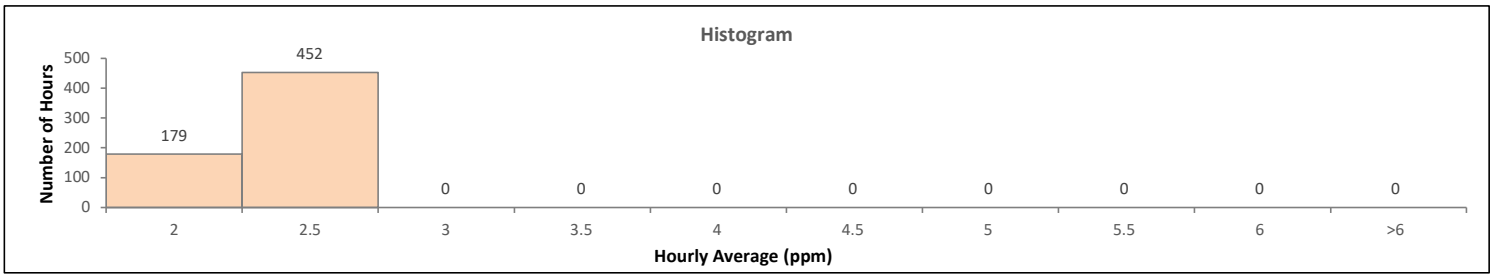
Maximum Hourly Value:	2.45	ppm	on Feb 27 at hr 8	Hours in Service:	696
Maximum Daily Value:	2.13	ppm	on Feb 27	Hours of Data:	631
Minimum Hourly Value:	1.96	ppm	on Feb 10 at hr 16	Hours of Missing Data:	30
Minimum Daily Value:	1.98	ppm	on Feb 23	Hours of Calibration:	35
Monthly Average:	2.03	ppm		Operational Uptime:	95.7

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			
Feb 1	1.99	1.99	1.99	1.98	1.99	S	1.99	2.00	C	C	C	C	C	2.04	2.06	2.09	2.10	2.09	2.06	2.06	2.06	2.05	2.05	2.04	1.98	2.10	2.04
Feb 2	2.03	2.01	2.00	1.99	S	1.98	1.98	1.98	1.99	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.02	2.05	1.98	2.05	2.00
Feb 3	2.07	2.07	2.04	S	2.02	2.03	2.03	2.02	2.02	2.00	2.01	2.01	2.01	2.00	1.99	1.98	1.99	1.98	2.00	2.01	2.03	2.04	2.04	2.05	1.98	2.07	2.02
Feb 4	2.01	2.00	S	2.00	2.02	2.02	2.00	1.99	1.98	1.98	1.98	2.00	2.03	2.03	2.02	2.05	2.06	2.06	2.05	2.04	2.06	2.06	2.07	2.07	1.98	2.07	2.03
Feb 5	2.09	S	2.14	2.18	2.19	2.11	2.06	2.05	2.06	2.05	2.02	2.02	2.01	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.01	2.02	2.02	2.00	2.19	2.05
Feb 6	S	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.05	2.07	2.06	2.05	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	S	2.01	2.07	2.03
Feb 7	2.02	2.02	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.03	2.01	2.04	2.02
Feb 8	2.02	2.03	2.04	2.04	2.04	2.04	2.07	2.02	2.00	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.99	1.99	1.99	S	2.01	2.02	1.98	2.07	2.01
Feb 9	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	1.99	1.98	1.98	1.99	1.99	1.98	2.00	2.02	S	2.03	2.05	2.05	1.98	2.05	2.00
Feb 10	2.05	2.04	2.05	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.00	2.01	2.01	1.99	1.98	1.97	1.96	1.97	1.96	S	1.96	1.97	1.97	1.97	1.96	2.05	2.00
Feb 11	1.98	1.99	1.99	2.00	1.99	2.00	2.00	2.01	2.01	2.00	2.00	2.00	1.99	2.00	2.02	2.03	2.04	2.03	S	2.02	2.01	2.02	2.02	2.02	1.98	2.04	2.01
Feb 12	2.01	2.01	2.02	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	1.99	2.01	2.01	2.02	2.02	S	1.99	1.98	1.99	2.00	2.00	2.01	1.98	2.03	2.01
Feb 13	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.03	2.03	2.01	2.02	2.02	2.03	S	2.03	2.01	2.01	2.03	2.04	2.04	2.04	2.00	2.04	2.02
Feb 14	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.02	2.02	2.03	S	2.04	2.03	2.03	2.05	2.05	2.07	2.08	2.08	2.02	2.08	2.04
Feb 15	2.10	2.12	2.12	2.14	2.14	2.09	2.05	2.02	2.01	2.02	2.03	2.04	2.05	2.04	S	NRM	NRM	NRM	NRM	2.05	2.07	2.08	2.07	2.08	2.01	2.14	2.07
Feb 16	2.07	2.08	2.07	2.07	2.06	2.05	2.04	2.03	2.04	2.03	2.03	2.05	2.07	S	2.05	2.05	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.07	2.03	2.08	2.06
Feb 17	2.07	2.08	2.08	2.07	2.06	2.07	2.08	2.06	2.06	2.07	2.06	2.05	S	2.02	2.02	2.01	2.00	2.01	2.02	2.02	2.02	2.02	2.04	2.03	2.00	2.08	2.04
Feb 18	2.03	2.04	2.04	2.05	2.04	2.01	2.00	2.01	2.02	2.05	2.06	S	2.05	2.01	2.00	1.99	1.99	2.01	2.03	2.03	2.02	2.00	2.00	2.00	1.99	2.06	2.02
Feb 19	1.99	1.98	1.98	1.98	1.99	2.03	2.15	2.23	2.22	2.14	S	2.18	K	K	K	K	K	K	K	K	K	K	K	K	1.98	2.23	NA
Feb 20	K	K	K	K	K	K	K	K	K	K	K	K	K	K	2.03	2.06	2.05	2.06	2.08	2.07	2.06	2.06	2.06	2.06	2.03	2.08	NA
Feb 21	2.06	2.07	2.08	2.08	2.08	2.11	2.11	2.09	S	2.09	2.08	2.05	2.04	2.03	2.02	2.04	2.03	2.01	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.11	2.05
Feb 22	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.00	1.99	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.98	1.98	2.01	1.99
Feb 23	1.98	1.98	1.98	1.98	1.98	1.97	S	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.97	1.99	1.98
Feb 24	1.99	1.99	1.99	1.99	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00
Feb 25	2.01	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.02	2.01
Feb 26	2.02	2.02	2.03	S	2.04	2.03	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.02	2.06	2.04
Feb 27	2.05	2.05	S	2.09	2.15	2.22	2.32	2.43	**2.45**	2.27	2.11	2.08	2.07	2.07	2.06	2.05	2.05	2.05	2.05	2.06	2.09	2.07	2.06	2.06	2.05	**2.45**	**2.13**
Feb 28	2.07	S	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.10	2.09	2.08	2.07	2.07	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.06	2.05	2.04	2.04	2.10	2.07
Feb 29	S	2.04	2.06	2.06	2.06	2.04	2.04	2.04	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.04	2.04	2.04	2.04	S	2.04	2.06	2.05
Diurnal Maximum	2.10	2.12	2.14	2.18	2.19	2.22	2.32	2.43	2.45	2.27	2.11	2.18	2.07	2.07	2.06	2.09	2.10	2.09	2.08	2.08	2.09	2.08	2.08	2.08			
Diurnal Average	2.03	2.03	2.03	2.04	2.04	2.04	2.05	2.05	2.05	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03			

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.



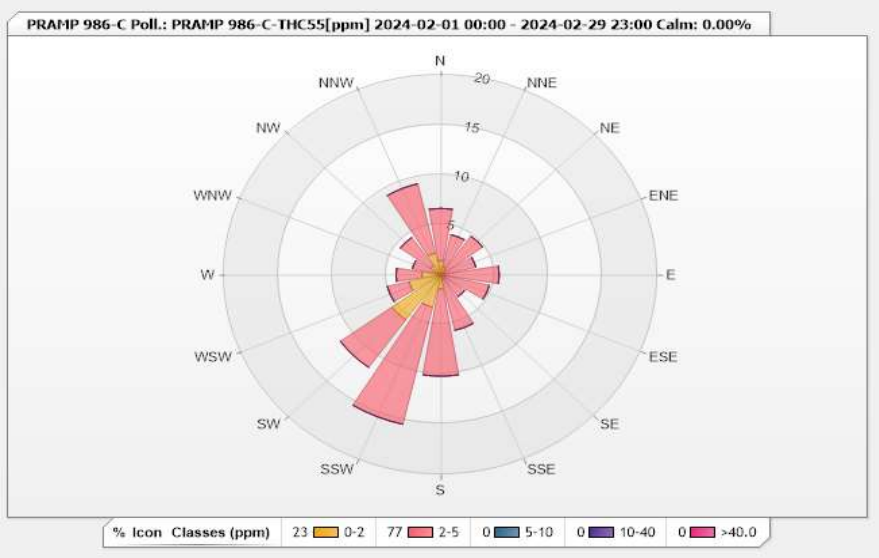


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 90.66% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.43	5.23	0	0	0	6.66
NNE	0.79	3.33	0	0	0	4.12
NE	0.48	4.28	0	0	0	4.76
ENE	0.32	3.01	0	0	0	3.33
E	0.32	5.07	0	0	0	5.39
ESE	0.32	4.28	0	0	0	4.6
SE	0.16	2.54	0	0	0	2.7
SSE	0.48	5.23	0	0	0	5.71
S	1.43	8.72	0	0	0	10.15
SSW	3.33	12.04	0	0	0	15.37
SW	5.55	5.86	0	0	0	11.41
WSW	3.01	2.06	0	0	0	5.07
W	1.74	2.38	0	0	0	4.12
WNW	0.32	2.38	0	0	0	2.7
NW	1.11	3.49	0	0	0	4.6
NNW	2.22	7.13	0	0	0	9.35
Summary	23.01	77.03	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

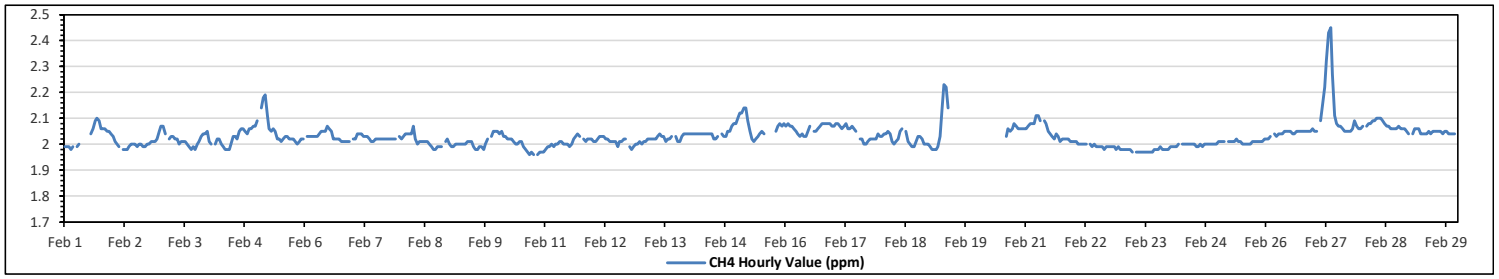
METHANE (CH4) in ppm

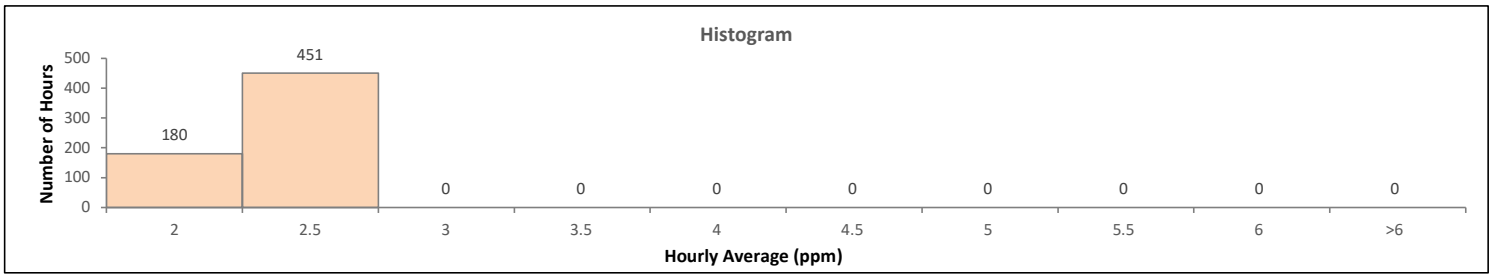
Maximum Hourly Value:	2.45	ppm	on Feb 27 at hr 8	Hours in Service:	696
Maximum Daily Value:	2.13	ppm	on Feb 27	Hours of Data:	631
Minimum Hourly Value:	1.96	ppm	on Feb 10 at hr 16	Hours of Missing Data:	30
Minimum Daily Value:	1.98	ppm	on Feb 23	Hours of Calibration:	35
Monthly Average:	2.03	ppm		Operational Uptime:	95.7

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			
Feb 1	1.99	1.99	1.99	1.98	1.99	S	1.99	2.00	C	C	C	C	C	2.04	2.06	2.09	2.10	2.09	2.06	2.06	2.06	2.05	2.05	2.04	1.98	2.10	2.04
Feb 2	2.03	2.01	2.00	1.99	S	1.98	1.98	1.98	1.99	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.02	2.05	1.98	2.05	2.00
Feb 3	2.07	2.07	2.04	S	2.02	2.03	2.03	2.02	2.02	2.00	2.01	2.01	2.01	2.00	1.99	1.98	1.99	1.98	2.00	2.01	2.03	2.04	2.04	2.05	1.98	2.07	2.02
Feb 4	2.01	2.00	S	2.00	2.02	2.02	2.00	1.99	1.98	1.98	1.98	2.00	2.03	2.03	2.02	2.05	2.06	2.06	2.05	2.04	2.06	2.06	2.07	2.07	1.98	2.07	2.03
Feb 5	2.09	S	2.14	2.18	2.19	2.11	2.06	2.05	2.06	2.05	2.02	2.02	2.01	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.01	2.02	2.02	2.00	2.19	2.05
Feb 6	S	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.05	2.07	2.06	2.05	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	S	2.01	2.07	2.03
Feb 7	2.02	2.02	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.03	2.01	2.04	2.02
Feb 8	2.02	2.03	2.04	2.04	2.04	2.04	2.07	2.02	2.00	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.99	1.99	1.99	S	2.01	2.02	1.98	2.07	2.01
Feb 9	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	1.99	1.98	1.98	1.99	1.99	1.98	2.00	2.02	S	2.03	2.05	2.05	1.98	2.05	2.00
Feb 10	2.05	2.04	2.05	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.00	2.01	2.01	1.99	1.98	1.97	1.96	1.97	1.96	S	1.96	1.97	1.97	1.97	1.96	2.05	2.00
Feb 11	1.98	1.99	1.99	2.00	1.99	2.00	2.00	2.01	2.01	2.00	2.00	2.00	1.99	2.00	2.02	2.03	2.04	2.03	S	2.02	2.01	2.02	2.02	2.02	1.98	2.04	2.01
Feb 12	2.01	2.01	2.02	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	1.99	2.01	2.01	2.02	2.02	S	1.99	1.98	1.99	2.00	2.00	2.01	1.98	2.03	2.01
Feb 13	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.03	2.03	2.01	2.02	2.02	2.03	S	2.03	2.01	2.01	2.03	2.04	2.04	2.04	2.00	2.04	2.02
Feb 14	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.02	2.02	2.03	S	2.04	2.03	2.03	2.05	2.05	2.07	2.08	2.08	2.02	2.08	2.04
Feb 15	2.10	2.12	2.12	2.14	2.14	2.09	2.05	2.02	2.01	2.02	2.03	2.04	2.05	2.04	S	NRM	NRM	NRM	NRM	2.05	2.07	2.08	2.07	2.08	2.01	2.14	2.07
Feb 16	2.07	2.08	2.07	2.07	2.06	2.05	2.04	2.03	2.04	2.03	2.03	2.05	2.07	S	2.05	2.05	2.06	2.07	2.08	2.08	2.08	2.08	2.08	2.07	2.03	2.08	2.06
Feb 17	2.07	2.08	2.08	2.07	2.06	2.07	2.08	2.06	2.06	2.07	2.06	2.05	S	2.02	2.02	2.00	2.00	2.01	2.02	2.02	2.02	2.02	2.04	2.03	2.00	2.08	2.04
Feb 18	2.03	2.04	2.04	2.05	2.04	2.01	2.00	2.01	2.02	2.05	2.06	S	2.05	2.01	2.00	1.99	1.99	2.01	2.03	2.03	2.02	2.00	2.00	2.00	1.99	2.06	2.02
Feb 19	1.99	1.98	1.98	1.98	1.99	2.03	2.15	2.23	2.22	2.14	S	2.18	K	K	K	K	K	K	K	K	K	K	K	K	1.98	2.23	NA
Feb 20	K	K	K	K	K	K	K	K	K	K	K	K	K	K	2.03	2.06	2.05	2.06	2.08	2.07	2.06	2.06	2.06	2.06	2.03	2.08	NA
Feb 21	2.06	2.07	2.08	2.08	2.08	2.11	2.11	2.09	S	2.09	2.08	2.05	2.04	2.03	2.02	2.04	2.03	2.01	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.11	2.05
Feb 22	2.01	2.01	2.00	2.00	2.00	2.00	2.00	S	2.00	1.99	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.98	1.98	2.01	1.99
Feb 23	1.98	1.98	1.98	1.98	1.98	1.97	S	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.97	1.99	1.98
Feb 24	1.99	1.99	1.99	1.99	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00
Feb 25	2.01	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.02	2.01
Feb 26	2.02	2.02	2.03	S	2.04	2.03	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.02	2.06	2.04
Feb 27	2.05	2.05	S	2.09	2.15	2.22	2.32	2.43	**2.45**	2.27	2.11	2.08	2.07	2.07	2.06	2.05	2.05	2.05	2.05	2.06	2.09	2.07	2.06	2.06	2.05	**2.45**	**2.13**
Feb 28	2.07	S	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.10	2.09	2.08	2.07	2.07	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.06	2.05	2.04	2.04	2.10	2.07
Feb 29	S	2.04	2.06	2.06	2.06	2.04	2.04	2.04	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.04	2.04	2.04	2.04	S	2.04	2.06	2.05
Diurnal Maximum	2.10	2.12	2.14	2.18	2.19	2.22	2.32	2.43	2.45	2.27	2.11	2.18	2.07	2.07	2.06	2.09	2.10	2.09	2.08	2.08	2.09	2.08	2.08	2.08			
Diurnal Average	2.03	2.03	2.03	2.04	2.04	2.04	2.05	2.05	2.05	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03			

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.



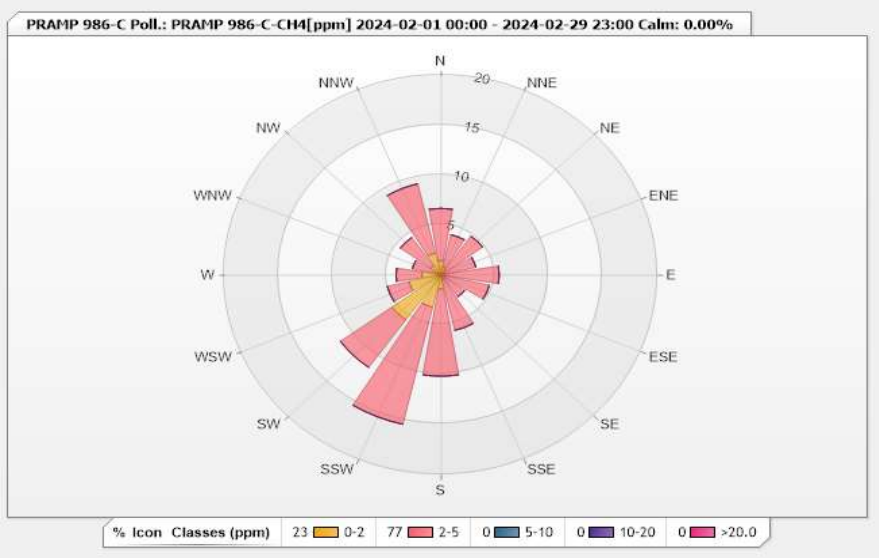


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 90.66% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.43	5.23	0	0	0	6.66
NNE	0.79	3.33	0	0	0	4.12
NE	0.48	4.28	0	0	0	4.76
ENE	0.32	3.01	0	0	0	3.33
E	0.32	5.07	0	0	0	5.39
ESE	0.32	4.28	0	0	0	4.6
SE	0.16	2.54	0	0	0	2.7
SSE	0.48	5.23	0	0	0	5.71
S	1.43	8.72	0	0	0	10.15
SSW	3.33	12.04	0	0	0	15.37
SW	5.55	5.86	0	0	0	11.41
WSW	3.01	2.06	0	0	0	5.07
W	1.74	2.38	0	0	0	4.12
WNW	0.32	2.38	0	0	0	2.7
NW	1.11	3.49	0	0	0	4.6
NNW	2.22	7.13	0	0	0	9.35
Summary	23.01	77.03	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

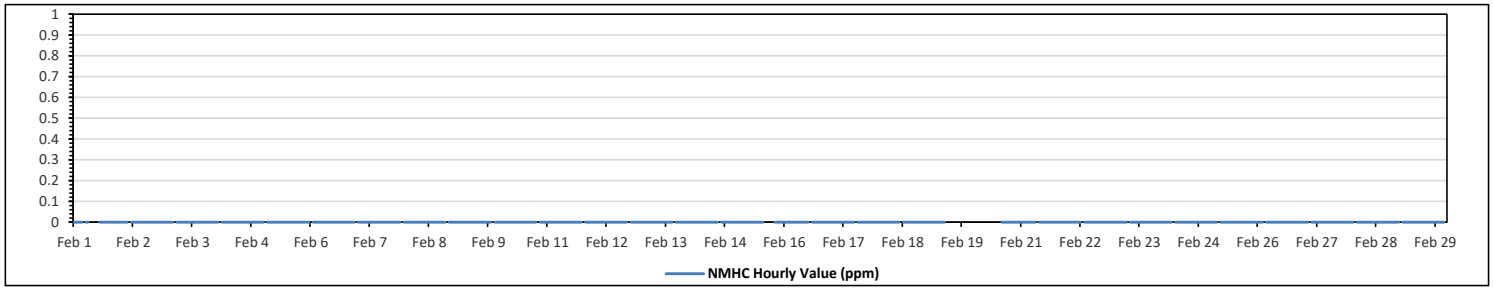
NON-METHANE HYDROCARBONS (NMHC) in ppm

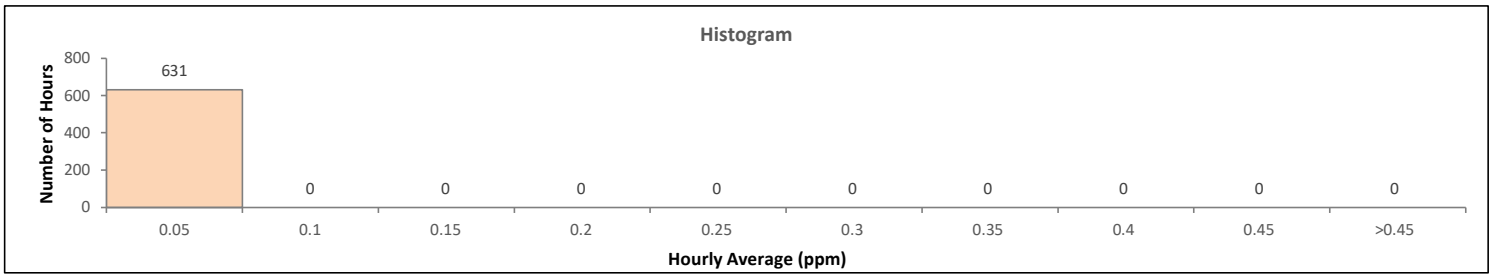
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	696
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	631
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	30
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	35
Monthly Average:	0.00	ppm		Operational Uptime:	95.7

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			
Feb 1	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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
Feb 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
Feb 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
Feb 6	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
Feb 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	0.00	S	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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	0.00	0.00	0.00	0.00
Feb 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	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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	0.00	0.00	0.00	0.00	0.00
Feb 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	NRM	NRM	NRM	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	K	K	K	K	K	K	K	K	K	K	K	K	0.00	0.00	NA
Feb 20	K	K	K	K	K	K	K	K	K	K	K	K	K	K	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Feb 21	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
Feb 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	0.00	0.00	0.00	0.00	0.00
Feb 23	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
Feb 24	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
Feb 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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
Feb 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
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.



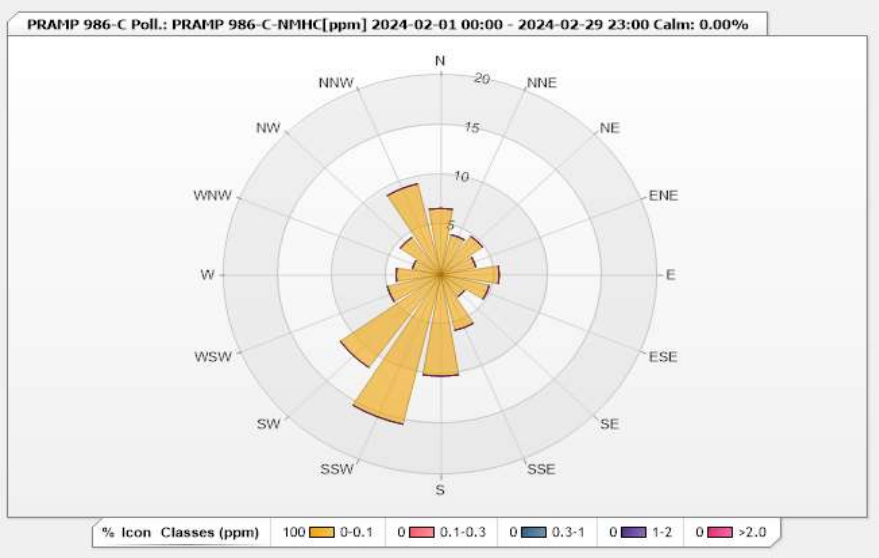


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 90.66% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	6.66	0	0	0	0	6.66
NNE	4.12	0	0	0	0	4.12
NE	4.75	0	0	0	0	4.75
ENE	3.33	0	0	0	0	3.33
E	5.39	0	0	0	0	5.39
ESE	4.6	0	0	0	0	4.6
SE	2.69	0	0	0	0	2.69
SSE	5.71	0	0	0	0	5.71
S	10.14	0	0	0	0	10.14
SSW	15.37	0	0	0	0	15.37
SW	11.41	0	0	0	0	11.41
WSW	5.07	0	0	0	0	5.07
W	4.12	0	0	0	0	4.12
WNW	2.69	0	0	0	0	2.69
NW	4.6	0	0	0	0	4.6
NNW	9.35	0	0	0	0	9.35
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

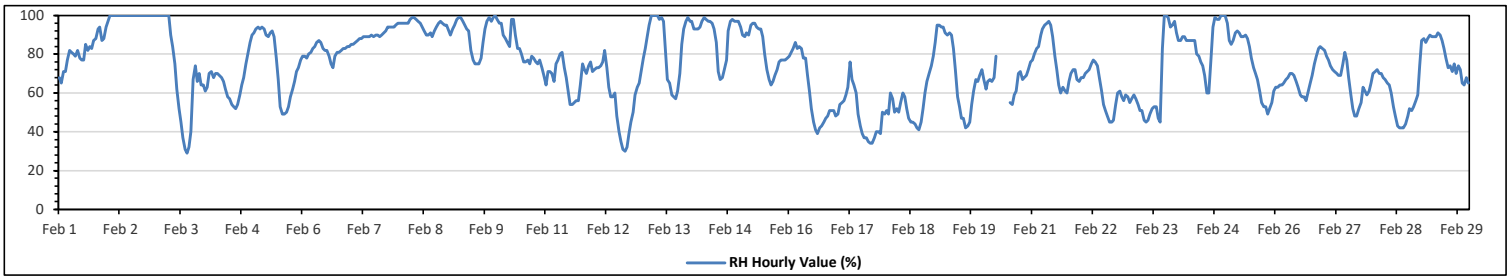
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Feb 2 at hr 1	Hours in Service:	696
Maximum Daily Value:	99.9	%	on Feb 2	Hours of Data:	690
Minimum Hourly Value:	29	%	on Feb 3 at hr 15	Hours of Missing Data:	6
Minimum Daily Value:	48.6	%	on Feb 17	Hours of Calibration:	0
Monthly Average:	74.3	%		Operational Uptime:	99.1

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
Feb 1	68	65	71	71	77	82	81	80	79	82	78	77	77	85	82	84	83	87	88	93	94	87	88	94	65	94	81.4
Feb 2	97	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	97	**100**	**99.9**
Feb 3	**100**	**100**	**100**	**100**	**100**	**100**	**100**	90	84	75	62	52	45	37	31	**29**	32	40	67	74	66	70	64	64	**29**	**100**	70.1
Feb 4	61	63	70	71	68	70	70	69	68	66	62	58	57	54	53	52	54	59	64	68	75	80	86	90	52	90	66.2
Feb 5	91	93	94	93	94	93	90	89	91	92	89	78	67	53	49	49	50	53	58	62	66	71	73	77	49	94	75.6
Feb 6	79	79	78	80	81	83	84	86	87	86	83	82	82	79	75	73	79	81	81	82	83	83	84	84	73	87	81.4
Feb 7	85	85	86	87	88	88	89	89	89	89	90	89	90	90	89	90	91	92	94	94	94	94	95	96	85	96	90.1
Feb 8	96	96	96	96	96	98	99	99	98	97	96	94	92	90	90	91	89	92	94	96	97	96	95	95	89	99	94.9
Feb 9	92	90	93	95	98	99	99	97	95	93	92	82	77	75	75	75	78	86	93	97	99	97	99	**100**	75	**100**	90.7
Feb 10	98	96	96	90	88	86	84	98	98	90	83	83	80	76	76	77	75	79	78	76	75	77	73	69	69	98	83.4
Feb 11	64	71	71	70	66	75	77	80	81	73	68	61	54	54	55	56	56	64	75	72	70	74	76	71	54	81	68.1
Feb 12	72	73	73	74	76	82	73	63	58	58	60	48	40	35	31	30	32	39	45	50	59	63	65	71	30	82	57.1
Feb 13	78	83	89	95	**100**	**100**	**100**	**100**	98	99	97	82	67	65	59	58	57	61	70	85	93	97	99	97	57	**100**	84.5
Feb 14	97	93	93	93	94	97	99	98	97	97	96	93	86	71	67	68	72	77	92	97	98	97	97	97	67	99	90.3
Feb 15	94	90	89	91	90	95	96	96	94	93	93	89	80	72	67	64	66	69	72	76	77	77	77	78	64	96	82.7
Feb 16	79	81	83	86	83	84	83	78	78	69	61	52	45	41	39	42	43	45	47	48	51	51	51	48	39	86	61.2
Feb 17	49	54	55	56	59	63	76	67	64	60	49	43	39	37	37	35	34	34	37	40	40	39	50	49	34	76	**48.6**
Feb 18	51	49	60	57	50	52	50	55	60	58	52	47	45	45	44	42	41	45	52	60	66	70	74	79	41	79	54.3
Feb 19	86	95	95	94	94	91	90	91	90	83	72	58	53	47	47	42	43	45	54	61	67	66	69	72	42	95	71.0
Feb 20	67	62	66	67	66	68	79	**K**	**K**	**K**	**K**	**K**	**K**	55	54	59	61	70	71	67	68	69	72	76	54	79	66.5
Feb 21	77	80	83	84	90	93	95	96	97	95	89	79	72	64	60	63	61	60	66	70	72	72	67	66	60	97	77.1
Feb 22	68	68	70	71	72	75	77	76	74	68	61	54	51	48	45	45	46	54	60	61	58	56	59	58	45	77	61.5
Feb 23	55	57	59	57	54	51	51	46	45	46	49	52	53	53	47	45	83	**100**	**100**	99	94	95	97	91	45	**100**	65.8
Feb 24	87	87	89	89	87	87	87	87	87	80	79	76	74	69	60	60	78	94	99	98	98	**100**	**100**	**100**	60	**100**	85.5
Feb 25	96	87	85	87	91	92	91	89	89	90	88	84	78	73	70	67	61	55	53	53	49	52	55	61	49	96	74.8
Feb 26	63	63	64	64	65	67	68	70	70	69	66	63	59	58	58	56	61	65	69	75	79	83	84	83	56	84	67.6
Feb 27	82	79	77	74	72	71	70	69	69	75	81	77	68	59	52	48	48	52	55	63	61	59	61	65	48	82	66.1
Feb 28	70	71	72	70	70	68	67	65	64	60	53	48	43	42	42	42	44	48	52	51	53	56	59	74	42	74	57.7
Feb 29	87	88	86	88	90	89	89	89	91	90	87	83	78	73	74	71	75	70	74	72	65	64	68	65	64	91	79.4
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	78.9	79.2	80.8	81.0	81.3	82.7	83.2	82.6	82.0	79.8	76.3	70.9	66.1	62.1	59.6	59.1	61.8	66.1	71.0	73.8	74.7	75.7	77.1	78.3			

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.



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

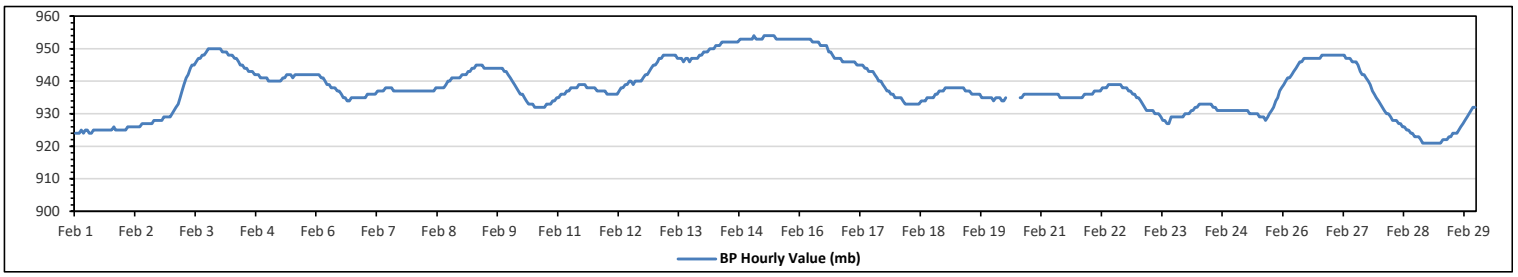
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	954	mb	on Feb 15 at hr 1	Hours in Service:	696	
Maximum Daily Value:	953	mb	on Feb 15	Hours of Data:	690	
Minimum Hourly Value:	921	mb	on Feb 28 at hr 21	Hours of Missing Data:	6	
Minimum Daily Value:	925	mb	on Feb 29	Hours of Calibration:	0	
Monthly Average:	938	mb		Operational Uptime:	99.1	

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
Feb 1	924	924	924	925	924	925	925	924	924	925	925	925	925	925	925	925	925	925	925	926	925	925	925	925	924	926	925
Feb 2	925	925	926	926	926	926	926	926	926	927	927	927	927	927	927	928	928	928	928	928	929	929	929	929	925	929	927
Feb 3	930	931	932	933	935	937	939	941	942	944	945	945	946	947	947	948	948	949	950	950	950	950	950	950	930	950	943
Feb 4	950	949	949	949	948	948	948	947	947	946	945	945	944	944	943	943	943	942	942	942	941	941	941	941	941	950	945
Feb 5	940	940	940	940	940	940	940	941	941	942	942	942	941	942	942	942	942	942	942	942	942	942	942	942	940	942	941
Feb 6	942	942	941	941	940	939	939	938	938	938	937	937	936	935	935	934	934	935	935	935	935	935	935	935	934	942	937
Feb 7	935	936	936	936	936	936	937	937	937	937	938	938	938	938	937	937	937	937	937	937	937	937	937	937	935	938	937
Feb 8	937	937	937	937	937	937	937	937	937	937	937	938	938	938	938	938	939	940	940	941	941	941	941	941	937	941	938
Feb 9	942	942	942	943	943	944	944	945	945	945	945	944	944	944	944	944	944	944	944	944	944	943	943	942	942	945	944
Feb 10	941	940	939	938	937	936	936	935	934	933	933	933	932	932	932	932	932	932	933	933	933	934	934	935	932	941	935
Feb 11	935	936	936	936	937	937	938	938	938	938	939	939	939	939	938	938	938	938	938	937	937	937	937	937	935	939	938
Feb 12	936	936	936	936	936	936	937	938	938	939	939	940	940	939	940	940	940	940	941	942	942	943	944	945	936	945	939
Feb 13	945	946	947	947	948	948	948	948	948	948	948	947	947	947	946	947	947	946	947	947	947	947	948	948	945	948	947
Feb 14	949	949	949	950	950	950	951	951	951	952	952	952	952	952	952	952	952	952	953	953	953	953	953	953	949	953	952
Feb 15	953	**954**	953	953	953	953	**954**	**954**	**954**	**954**	**954**	**954**	953	953	953	953	953	953	953	953	953	953	953	953	953	**954**	**953**
Feb 16	953	953	953	953	953	953	952	952	952	952	951	951	951	951	949	949	948	947	947	947	947	946	946	946	946	953	950
Feb 17	946	946	946	946	945	945	945	945	944	944	943	943	943	942	941	940	940	939	938	937	937	936	936	935	935	946	942
Feb 18	935	935	935	934	933	933	933	933	933	933	933	933	934	934	934	935	935	935	935	936	936	937	937	937	933	937	935
Feb 19	938	938	938	938	938	938	938	938	938	938	937	937	937	936	936	936	936	936	935	935	935	935	935	935	935	938	937
Feb 20	934	935	935	935	934	934	935	**K**	**K**	**K**	**K**	**K**	**K**	935	935	936	936	936	936	936	936	936	936	936	934	936	935
Feb 21	936	936	936	936	936	936	936	936	936	935	935	935	935	935	935	935	935	935	935	935	935	936	936	936	935	936	936
Feb 22	936	936	937	937	937	937	938	938	938	939	939	939	939	939	939	939	938	938	938	937	937	936	936	935	935	939	938
Feb 23	935	934	933	932	931	931	931	931	930	930	930	929	928	928	927	927	929	929	929	929	929	929	929	930	927	935	930
Feb 24	930	930	931	931	932	932	933	933	933	933	933	933	933	932	932	931	931	931	931	931	931	931	931	931	930	933	932
Feb 25	931	931	931	931	931	931	931	930	930	930	930	930	929	929	929	928	929	930	931	932	934	935	937	938	928	938	931
Feb 26	939	940	941	941	942	943	944	945	946	946	947	947	947	947	947	947	947	947	947	948	948	948	948	948	939	948	945
Feb 27	948	948	948	948	948	948	948	947	947	947	946	946	946	945	943	942	942	941	940	939	937	936	935	934	934	948	944
Feb 28	933	932	931	930	930	929	928	928	928	927	927	926	926	925	925	924	924	923	923	923	922	**921**	**921**	**921**	**921**	933	926
Feb 29	**921**	**921**	**921**	**921**	**921**	**921**	**921**	922	922	922	923	923	924	924	924	925	926	927	928	929	930	931	932	932	**921**	932	**925**
Diurnal Maximum	953	954	953	953	953	953	954	954	954	954	954	954	953	953	953	953	953	953	953	953	953	953	953	953			
Diurnal Average	938	938	938	938	938	938	938	939	938	939	939	939	938	938	938	938	938	938	938	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 - February 2024

Summary of Hourly Averages

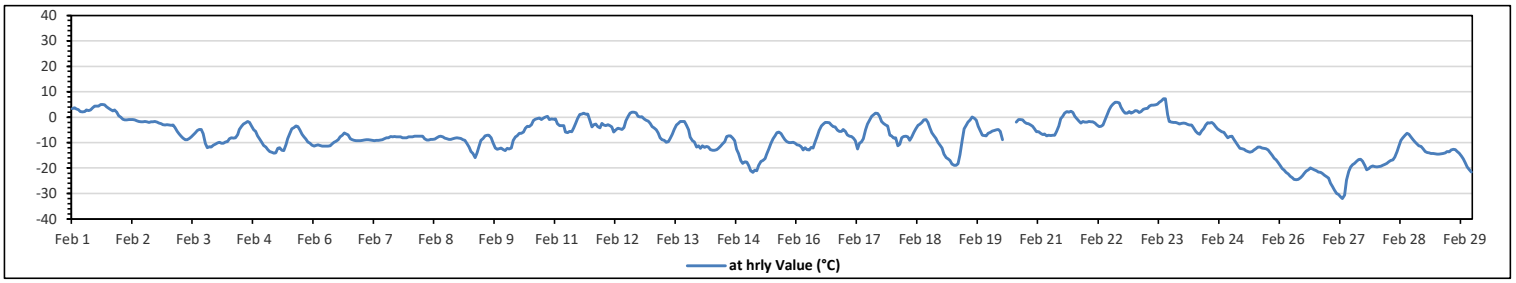
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	7.2	°C	on Feb 23 at hr 14	Hours in Service:	696	
Maximum Daily Value:	3.3	°C	on Feb 1	Hours of Data:	690	
Minimum Hourly Value:	-32.0	°C	on Feb 27 at hr 7	Hours of Missing Data:	6	
Minimum Daily Value:	-22.8	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	-7.6	°C		Operational Uptime:	99.1	

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
Feb 1	3.4	3.7	3.2	3	2.3	2.1	2.2	2.8	2.7	2.8	3.8	4.4	4.4	4.3	5	5	4.9	4.1	3.5	2.9	2.5	2.8	2	0.6	0.6	5.0	**3.3**
Feb 2	0	-0.8	-1.1	-1.1	-1	-1	-0.9	-1.1	-1.4	-1.6	-1.8	-1.8	-1.7	-1.8	-2	-1.8	-1.8	-1.6	-1.9	-2.3	-2.6	-2.9	-3	-2.9	-3.0	0.0	-1.7
Feb 3	-3.1	-3.2	-3.1	-4	-5.6	-6.6	-7.5	-8.2	-8.9	-8.8	-8.3	-7.7	-6.9	-6.2	-5.3	-4.8	-4.8	-6.5	-10.4	-12	-11.6	-11.8	-11	-10.6	-12.0	-3.1	-7.4
Feb 4	-10.1	-9.8	-10.3	-10.2	-9.7	-9.6	-8.5	-8.1	-8.2	-8	-6.8	-4.8	-3.6	-2.7	-2.2	-1.7	-2.1	-3.5	-4.9	-5.5	-7.3	-8.5	-9.8	-11.1	-11.1	-1.7	-7.0
Feb 5	-11.8	-12.8	-13.5	-13.7	-14.1	-14	-12.2	-12	-13	-13.1	-10.7	-8.4	-6.4	-4.6	-4	-3.5	-3.7	-4.9	-6.7	-7.7	-8.6	-9.7	-10.3	-11	-14.1	-3.5	-9.6
Feb 6	-11.3	-11.1	-10.8	-11.1	-11.3	-11.3	-11.3	-11.3	-11.2	-10.5	-9.8	-9.4	-8.9	-7.8	-7	-6.2	-6.6	-6.9	-8.5	-8.9	-9.1	-9.3	-9.3	-9.2	-11.3	-6.2	-9.5
Feb 7	-9.1	-9	-8.8	-8.8	-9	-9.1	-9.2	-9.1	-9.1	-9	-8.9	-8.5	-8	-8	-7.6	-7.7	-7.6	-7.7	-7.7	-7.8	-8.1	-8.1	-8.1	-7.8	-9.2	-7.6	-8.4
Feb 8	-7.8	-7.7	-7.5	-7.5	-7.5	-7.5	-7.5	-8.4	-9	-9	-8.7	-8.7	-8.6	-8.1	-7.6	-7.5	-7.7	-8.2	-8.4	-8.7	-8.7	-8.5	-8.2	-8.1	-9.0	-7.5	-8.1
Feb 9	-8.2	-8.3	-8.8	-9.1	-10.5	-11.7	-13.5	-14.3	-15.9	-14	-11.5	-9.1	-8.3	-7.4	-7.1	-7	-8.1	-10.1	-12.1	-12.6	-12.3	-12.1	-12.7	-13.1	-15.9	-7.0	-10.7
Feb 10	-12.2	-12.5	-12.1	-9.1	-7.8	-7.3	-6.3	-6.4	-5.8	-4.3	-3.6	-3.7	-2.9	-1.3	-0.8	-0.5	-0.2	-0.9	-0.3	0.1	0.3	-0.9	-0.7	-0.8	-12.5	0.3	-4.2
Feb 11	-0.7	-2.6	-3.3	-3.3	-3.3	-5.8	-6.1	-5.5	-5.7	-4.2	-2.5	-0.6	1.1	1.3	1.5	1.3	1.2	-1.1	-3.9	-2.9	-2.7	-3.7	-4.1	-2.4	-6.1	1.5	-2.4
Feb 12	-3.1	-3.3	-2.9	-3.3	-3.8	-5.8	-5	-4.3	-4.5	-4.8	-4	-1.4	0.3	1.5	1.9	2	1.7	0.3	0.1	0.2	-0.7	-1.2	-1.5	-2.5	-5.8	2.0	-1.8
Feb 13	-3.7	-4.2	-4.9	-6.2	-8.1	-8.8	-9.1	-9.8	-9.6	-8.2	-6.7	-4.8	-3	-2.4	-1.7	-1.6	-1.7	-3	-4.9	-7.9	-9.3	-9.7	-11.8	-11.2	-11.8	-1.6	-6.3
Feb 14	-12.2	-11.2	-11.9	-11.5	-11.8	-12.8	-13	-13	-12.7	-12.2	-11.4	-10.5	-9.6	-7.6	-7.3	-7.4	-8.2	-9.3	-12.6	-14.3	-17	-18.2	-17.5	-17.6	-18.2	-7.3	-12.1
Feb 15	-19	-21	-21.6	-20.8	-21	-18.9	-17.4	-17	-16.2	-14.5	-12.3	-10.4	-8.5	-7.4	-6.1	-5.8	-6.5	-7.7	-8.9	-9.6	-10	-10	-9.9	-10.2	-21.6	-5.8	-12.9
Feb 16	-10.8	-10.9	-11.6	-12.9	-12	-12.8	-12.9	-11.9	-12.1	-9.9	-7.5	-5.2	-3.5	-2.7	-2.1	-2	-2.2	-3	-3.7	-3.8	-5.1	-5.5	-5.6	-4.8	-12.9	-2.0	-7.3
Feb 17	-5.5	-6.9	-7.5	-7.6	-8.2	-9.3	-12.5	-10.2	-9.7	-8.5	-4.9	-2.7	-1.1	0.3	1	1.5	1.4	0.3	-1.6	-2.4	-3	-3.5	-7.1	-7.3	-12.5	1.5	-4.8
Feb 18	-8.2	-8.1	-11.2	-10.6	-8.1	-7.6	-7.5	-7.8	-9.1	-7.9	-5.9	-4.6	-3.2	-2.8	-2	-1.1	-1	-2.1	-4.2	-6.1	-7.4	-8.3	-9.9	-10.8	-11.2	-1.0	-6.5
Feb 19	-12.1	-14.5	-15.9	-16.3	-17.1	-18.4	-18.9	-18.8	-18.3	-14.7	-9.1	-4.6	-3.1	-1.9	-1.1	0.1	-0.4	-1.2	-3.6	-5.3	-7.1	-7.2	-7.4	-6.3	-18.9	0.1	-9.3
Feb 20	-5.9	-5.4	-5.2	-4.9	-4.8	-5.6	-8.8	**K**	**K**	**K**	**K**	**K**	**K**	-1.9	-0.9	-1	-1.1	-1.9	-2.5	-2.6	-3	-3.6	-4.5	-5.7	-8.8	-0.9	-3.9
Feb 21	-5.7	-6.3	-6.8	-6.6	-7.3	-7.1	-7.2	-7.1	-7	-5.6	-3.5	-0.6	0.3	1.6	2.2	2	2.4	1.8	0.3	-0.6	-1.5	-2.3	-1.7	-1.9	-7.3	2.4	-2.8
Feb 22	-1.9	-1.7	-1.8	-1.8	-2.3	-3.1	-3.7	-3.6	-3.1	-1.2	1	2.8	4.2	5.2	5.9	5.9	5.6	4	2.5	1.6	1.5	2.2	1.5	2	-3.7	5.9	0.9
Feb 23	2.6	2.5	1.8	2.3	3.1	3.3	3.5	4.4	4.8	4.8	4.9	5.2	5.8	6.4	**7.2**	**7.2**	1	-1.7	-1.9	-2.1	-2	-2.3	-2.7	-2.4	-2.7	**7.2**	2.3
Feb 24	-2.3	-2.4	-2.8	-3.1	-3.1	-4.1	-5.5	-6.4	-6.7	-5.4	-4.4	-3	-2.2	-2.3	-2.1	-2.7	-3.7	-4.6	-5.2	-5.7	-5.9	-7	-8.1	-7.6	-8.1	-2.1	-4.4
Feb 25	-7.5	-8.7	-9.8	-11	-12.2	-12.3	-12.6	-13.2	-13.4	-13.7	-13.5	-12.9	-12.3	-11.7	-11.7	-12.1	-12.2	-12.3	-12.9	-13.8	-15	-16.1	-16.8	-17.7	-17.7	-7.5	-12.7
Feb 26	-19	-20.1	-20.8	-21.7	-22.3	-23.1	-23.8	-24.4	-24.5	-24.4	-23.8	-23	-22.1	-21.2	-20.7	-20	-20.3	-20.6	-21	-21.5	-21.6	-22	-22.8	-23.3	-24.5	-19.0	-22.0
Feb 27	-24	-26	-27.2	-28.6	-29.9	-30.4	-31.2	**-32**	-30.6	-24.7	-21.3	-19.6	-18.7	-18.1	-17.3	-16.6	-16.5	-17.3	-18.8	-20.6	-20.1	-19.5	-19.1	-19.4	**-32.0**	-16.5	**-22.8**
Feb 28	-19.5	-19.4	-19.3	-18.8	-18.6	-18.1	-17.5	-17.1	-16.8	-15.6	-13.4	-11.2	-9.1	-8	-7.1	-6.4	-6.7	-7.8	-8.9	-9.7	-10.5	-11.2	-11.5	-12.3	-19.5	-6.4	-13.1
Feb 29	-13.4	-13.8	-14	-14.2	-14.3	-14.4	-14.6	-14.6	-14.4	-14.2	-14	-13.5	-13.6	-12.9	-12.6	-12.7	-13.4	-14.1	-15.2	-16.3	-17.9	-19.5	-20.7	-21.5	-21.5	-12.6	-15.0
Diurnal Maximum	3.4	3.7	3.2	3.0	3.1	3.3	3.5	4.4	4.8	4.8	4.9	5.2	5.8	6.4	7.2	7.2	5.6	4.1	3.5	2.9	2.5	2.8	2.0	2.0			
Diurnal Average	-8.3	-8.8	-9.3	-9.4	-9.6	-10.0	-10.3	-10.3	-10.3	-9.3	-7.8	-6.4	-5.3	-4.4	-3.8	-3.6	-4.1	-5.1	-6.4	-7.1	-7.7	-8.2	-8.7	-8.9			

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 - February 2024

Summary of Hourly Averages

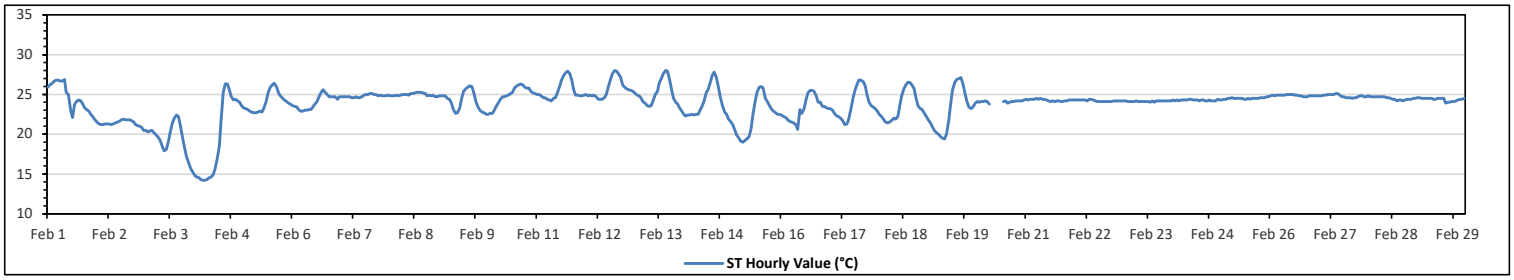
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	28.0	°C	on Feb 12 at hr 14	Hours in Service:	696
Maximum Daily Value:	25.7	°C	on Feb 12	Hours of Data:	690
Minimum Hourly Value:	14.2	°C	on Feb 4 at hr 4	Hours of Missing Data:	6
Minimum Daily Value:	19.4	°C	on Feb 3	Hours of Calibration:	0
Monthly Average:	23.8	°C		Operational Uptime:	99.1

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
Feb 1	25.9	26.2	26.4	26.7	26.8	26.8	26.7	26.7	26.9	25.3	25.0	23.0	22.1	23.7	24.1	24.3	24.2	23.8	23.3	23.1	22.9	22.5	22.2	21.8	21.8	26.9	24.6
Feb 2	21.5	21.3	21.2	21.2	21.3	21.3	21.3	21.2	21.3	21.4	21.5	21.6	21.8	21.9	21.8	21.8	21.8	21.7	21.5	21.2	21.1	21.0	20.8	20.5	20.5	21.9	21.4
Feb 3	20.5	20.3	20.4	20.5	20.2	19.9	19.6	19.2	18.5	17.9	18.1	19.0	20.2	21.4	22.0	22.4	22.2	21.1	19.5	18.3	17.2	16.4	15.7	15.2	15.2	22.4	**19.4**
Feb 4	14.8	14.6	14.5	14.3	**14.2**	**14.2**	14.3	14.5	14.6	14.9	15.6	16.9	18.6	21.7	25.3	26.3	26.3	25.6	24.7	24.3	24.4	24.2	24.0	23.6	**14.2**	26.3	19.4
Feb 5	23.3	23.2	23.1	22.9	22.8	22.7	22.7	22.8	22.9	22.8	23.3	24.1	25.2	25.9	26.2	26.4	26.0	25.3	24.8	24.6	24.3	24.1	23.9	23.8	22.7	26.4	24.0
Feb 6	23.6	23.5	23.4	23.1	22.9	22.9	23.0	23.0	23.1	23.1	23.4	23.8	24.1	24.7	25.3	25.6	25.3	25.0	24.7	24.7	24.7	24.7	24.4	24.7	22.9	25.6	24.0
Feb 7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.7	24.6	24.6	24.7	24.9	25.0	25.0	25.1	25.1	25.0	25.0	24.8	24.9	24.8	24.8	24.8	24.9	24.6	25.1	24.8
Feb 8	24.8	24.8	24.8	24.9	24.8	24.9	25.0	25.0	25.0	24.9	25.1	25.1	25.2	25.3	25.3	25.3	25.2	25.1	24.8	24.9	24.8	24.9	24.7	24.7	24.7	25.3	25.0
Feb 9	24.8	24.8	24.8	24.8	24.5	24.4	23.9	23.1	22.6	22.7	23.3	24.5	25.4	25.7	25.9	26.1	26.0	25.2	24.0	23.4	23.0	22.8	22.7	22.5	22.5	26.1	24.2
Feb 10	22.5	22.6	22.6	23.0	23.5	23.9	24.4	24.7	24.7	24.8	24.9	25.1	25.3	25.8	26.1	26.2	26.3	26.2	25.9	25.8	25.8	25.4	25.2	25.1	22.5	26.3	24.8
Feb 11	25.0	25.0	24.8	24.6	24.6	24.4	24.3	24.2	24.5	24.6	25.2	26.0	26.8	27.3	27.7	27.9	27.6	26.8	25.6	24.9	24.9	24.8	24.8	24.9	24.2	27.9	25.5
Feb 12	25.0	24.8	24.9	24.8	24.9	24.7	24.4	24.4	24.4	24.6	25.0	25.9	26.9	27.6	**28.0**	27.9	27.6	27.1	26.2	25.9	25.7	25.6	25.5	25.4	24.4	**28.0**	**25.7**
Feb 13	25.2	24.9	24.8	24.6	24.1	23.9	23.6	23.5	23.6	24.2	25.0	25.4	26.4	27.0	27.6	**28.0**	27.9	27.0	25.6	24.5	24.0	23.8	23.3	22.9	22.9	**28.0**	25.0
Feb 14	22.5	22.3	22.4	22.4	22.5	22.4	22.5	22.5	23.0	23.5	24.1	25.2	25.7	26.5	27.4	27.8	27.1	26.0	24.7	23.6	22.8	22.5	21.9	21.6	21.6	27.8	23.9
Feb 15	21.2	20.5	19.9	19.5	19.1	19.0	19.2	19.4	19.7	20.6	22.4	24.1	25.3	25.9	26.0	25.8	24.5	24.1	23.6	23.2	22.9	22.7	22.5	22.5	19.0	26.0	22.2
Feb 16	22.4	22.2	22.1	21.8	21.6	21.5	21.4	21.2	20.6	23.1	22.6	23.2	24.3	25.2	25.5	25.5	25.4	24.8	24.0	24.0	23.5	23.5	23.3	23.2	20.6	25.5	23.2
Feb 17	23.2	23.0	22.6	22.3	22.2	22.0	21.7	21.2	21.3	21.8	23.1	24.5	25.5	26.2	26.8	26.8	26.6	26.1	24.9	24.0	23.6	23.4	23.2	22.9	21.2	26.8	23.7
Feb 18	22.5	22.2	21.9	21.5	21.4	21.5	21.7	22.0	21.9	22.2	23.6	24.8	25.7	26.2	26.5	26.5	26.2	25.7	24.5	23.6	23.2	23.1	22.6	22.3	21.4	26.5	23.5
Feb 19	21.8	21.4	20.9	20.5	20.2	20.0	19.7	19.5	19.4	20.0	21.7	23.8	25.6	26.5	26.9	27.0	27.1	26.4	25.1	24.1	23.4	23.2	23.4	23.9	19.4	27.1	23.0
Feb 20	24.1	24.0	24.1	24.1	24.2	24.1	23.8	K	K	K	K	K	K	24.1	24.2	23.9	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.3	23.8	24.3	24.1
Feb 21	24.4	24.3	24.4	24.4	24.4	24.5	24.4	24.5	24.4	24.4	24.3	24.2	24.1	24.2	24.1	24.2	24.2	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.1	24.5	24.3
Feb 22	24.3	24.3	24.3	24.3	24.3	24.3	24.2	24.4	24.4	24.3	24.2	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.1	24.4	24.2
Feb 23	24.2	24.2	24.1	24.1	24.1	24.1	24.2	24.1	24.1	24.1	24.1	24.1	24.1	24.0	24.2	24.0	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.0	24.2	24.1
Feb 24	24.3	24.2	24.3	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.3	24.3	24.3	24.2	24.3	24.3	24.2	24.2	24.3	24.2	24.2	24.2	24.4	24.3	24.2	24.4	24.3
Feb 25	24.3	24.4	24.4	24.5	24.5	24.6	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.5	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.3	24.7	24.5
Feb 26	24.8	24.9	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9	24.9	24.8	24.8	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	25.0	24.9
Feb 27	24.8	24.8	24.9	24.9	25.0	25.0	25.0	25.0	25.1	25.1	24.9	24.7	24.7	24.6	24.6	24.6	24.5	24.6	24.6	24.7	24.8	24.8	24.7	24.7	24.5	25.1	24.8
Feb 28	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6	24.6	24.5	24.4	24.4	24.2	24.3	24.3	24.2	24.3	24.4	24.4	24.4	24.5	24.5	24.2	24.8	24.5
Feb 29	24.6	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.4	24.5	24.5	24.5	24.5	23.9	24.0	24.0	24.1	24.1	24.2	24.3	24.4	24.4	24.5	23.9	24.6	24.4
Diurnal Maximum	25.9	26.2	26.4	26.7	26.8	26.8	26.7	26.7	26.9	25.3	25.2	26.0	26.9	27.6	28.0	28.0	27.9	27.1	26.2	25.9	25.8	25.6	25.5	25.4			
Diurnal Average	23.4	23.3	23.3	23.2	23.1	23.1	23.1	23.0	23.0	23.1	23.5	24.0	24.5	24.9	25.3	25.4	25.2	24.9	24.3	24.0	23.8	23.7	23.6	23.5			

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.



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

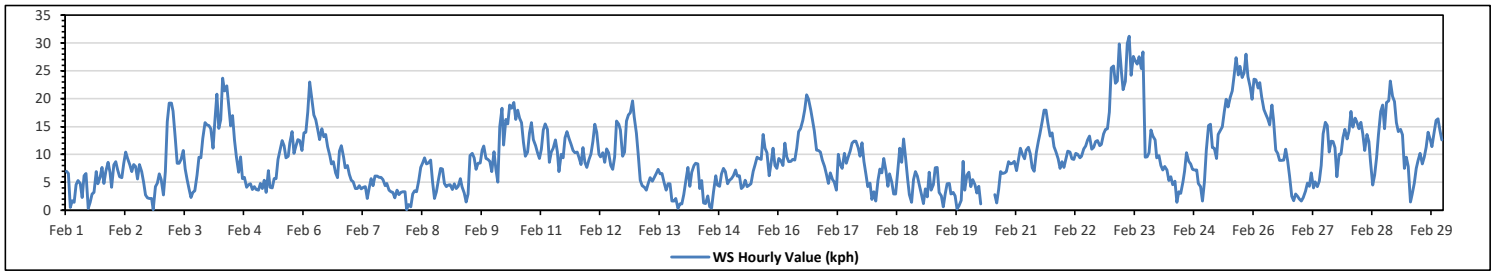
VECTOR WIND SPEED (VWS) in km/hr

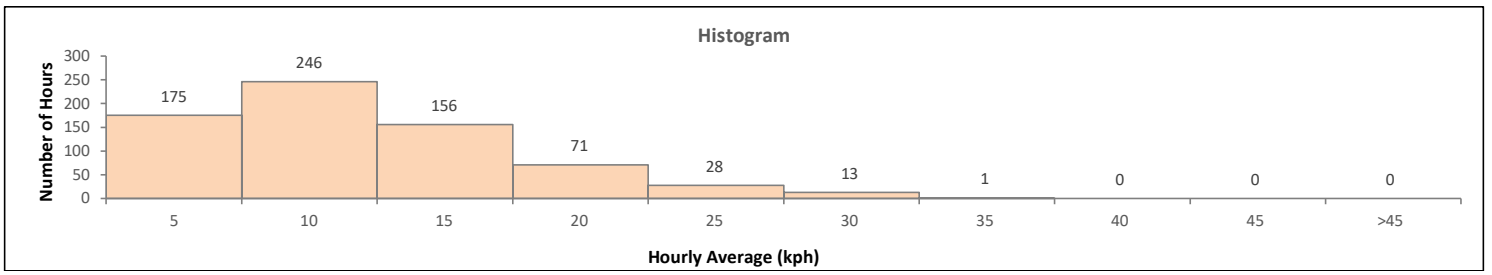
Maximum Hourly Value:	31.2	kph	on Feb 23 at hr 9	Hours in Service:	696	
Maximum Daily Value:	21.8	kph	on Feb 23	Hours of Data:	690	
Minimum Hourly Value:	0.1	kph	on Feb 2 at hr 20	Hours of Missing Data:	6	
Minimum Daily Value:	3.7	kph	on Feb 19	Hours of Calibration:	0	
Monthly Average:	2.0	kph		Operational Uptime:	99.1	

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			
Feb 1	7.0	6.6	0.5	1.7	1.4	4.6	5.3	4.8	2.3	6.2	6.6	0.3	1.4	2.9	3.2	6.9	4.7	5.9	7.7	4.8	7.0	8.6	6.8	4.1	0.3	8.6	4.6
Feb 2	8.1	8.7	7.2	6.0	5.8	8.4	10.4	9.3	8.1	6.9	8.2	7.8	5.6	8.2	6.9	5.0	2.7	2.2	2.1	2.1	**0.1**	4.2	4.9	6.5	**0.1**	10.4	6.1
Feb 3	5.5	2.7	6.9	15.9	19.2	19.2	17.8	12.9	8.4	8.4	9.1	10.7	7.4	5.5	3.8	2.3	3.2	3.5	6.3	9.5	9.4	12.9	15.7	15.3	2.3	19.2	9.6
Feb 4	15.2	14.6	11.1	15.4	20.8	14.7	16.2	23.7	21.4	22.3	19.4	15.1	17.0	12.6	9.6	6.8	9.6	5.7	5.9	4.1	4.6	4.7	3.7	4.2	3.7	23.7	12.4
Feb 5	3.7	3.6	4.8	3.9	5.4	3.2	7.1	4.1	4.0	5.7	5.7	9.1	10.9	12.5	11.6	9.4	9.7	12.1	14.1	10.2	11.5	12.7	12.5	10.7	3.2	14.1	8.3
Feb 6	13.9	14.0	17.6	23.0	20.3	17.1	16.2	14.5	12.7	14.6	13.2	13.6	11.4	9.8	8.3	8.7	6.7	5.8	10.6	11.6	9.5	7.6	8.0	6.4	5.8	23.0	12.3
Feb 7	5.4	5.1	3.9	3.9	4.4	3.8	4.1	4.2	2.1	4.0	5.7	4.4	6.1	6.1	5.9	5.9	5.5	4.4	4.8	3.6	3.3	3.2	2.2	3.6	2.1	6.1	4.4
Feb 8	2.8	3.2	3.3	3.3	**0.1**	1.0	0.6	2.9	3.5	3.3	5.4	7.7	8.5	9.4	8.3	8.5	9.0	5.1	2.1	3.3	5.7	7.5	7.4	4.8	**0.1**	9.4	4.9
Feb 9	4.2	4.5	4.6	3.7	4.7	3.9	4.3	5.7	4.2	3.1	1.5	2.9	9.8	10.2	9.4	7.3	8.4	8.5	10.8	11.5	9.3	9.1	8.8	6.9	1.5	11.5	6.6
Feb 10	10.5	7.3	5.0	15.0	18.3	11.7	16.3	15.5	18.9	18.3	19.3	16.3	17.9	16.5	15.7	12.2	9.7	10.4	13.9	15.7	12.7	11.6	10.3	9.3	5.0	19.3	13.7
Feb 11	10.9	14.4	15.5	14.5	8.6	10.4	11.1	12.6	10.5	6.9	10.0	9.4	13.0	14.1	12.8	11.8	10.7	10.3	10.4	9.6	8.2	11.2	8.6	7.7	6.9	15.5	11.0
Feb 12	9.1	10.1	12.3	15.4	14.0	10.0	9.6	10.3	8.6	11.0	10.3	8.0	7.3	9.6	16.0	15.4	14.4	9.7	10.4	16.0	17.1	17.5	19.6	16.8	7.3	19.6	12.4
Feb 13	13.8	9.8	5.4	4.4	4.1	3.6	4.8	5.8	5.2	5.9	6.6	7.3	6.5	6.6	4.9	3.6	4.7	4.7	1.6	1.6	2.1	0.3	1.1	1.1	0.3	13.8	4.8
Feb 14	2.8	5.5	7.7	4.3	6.8	8.0	8.4	8.3	3.9	5.3	1.3	1.2	2.6	0.6	0.4	3.3	6.2	4.5	4.3	6.5	7.5	6.9	4.7	5.4	0.4	8.4	4.9
Feb 15	5.7	6.2	7.2	6.1	6.2	3.9	4.2	5.4	4.2	4.5	4.7	7.0	8.2	9.5	9.3	9.1	13.6	11.1	10.3	6.2	8.5	11.1	8.0	7.5	3.9	13.6	7.4
Feb 16	9.3	8.9	8.0	12.0	9.6	8.7	8.8	9.1	9.0	11.1	14.1	14.6	16.1	18.0	20.7	19.9	17.9	16.3	14.2	10.8	10.7	10.4	9.0	7.8	7.8	20.7	12.3
Feb 17	6.4	4.8	6.7	5.5	5.1	3.6	10.0	8.2	7.5	10.2	8.4	9.6	10.6	12.0	12.4	12.4	11.2	9.7	12.1	8.8	6.2	4.2	4.9	1.9	1.9	12.4	8.0
Feb 18	3.3	1.6	5.4	7.4	6.7	9.3	7.0	4.3	6.5	5.0	2.9	2.9	6.6	11.1	8.6	12.8	9.5	5.4	2.8	1.4	5.5	6.9	6.1	4.3	1.4	12.8	6.0
Feb 19	2.8	1.2	3.8	2.4	6.8	3.6	4.6	7.6	7.7	3.2	2.6	0.6	2.9	4.7	4.8	2.9	3.2	2.6	0.2	0.8	1.8	8.8	3.6	6.3	0.2	8.8	**3.7**
Feb 20	6.8	4.2	5.5	4.6	3.1	4.3	1.1	K	K	K	K	K	K	2.8	1.3	3.7	6.9	6.6	6.7	6.9	8.7	8.3	8.4	8.8	1.1	8.8	5.5
Feb 21	7.1	9.1	11.1	10.1	9.2	10.8	11.3	10.1	7.6	7.0	10.4	12.3	13.7	15.9	17.9	17.9	15.6	13.3	13.9	11.4	10.5	9.2	7.5	8.7	7.0	17.9	11.3
Feb 22	7.7	9.4	10.6	10.4	9.2	9.1	10.2	10.0	9.4	9.7	11.0	11.5	12.6	13.3	10.9	11.3	12.3	12.5	11.6	11.8	13.7	14.5	14.6	17.6	7.7	17.6	11.5
Feb 23	25.5	25.9	22.8	23.2	29.8	24.6	21.6	23.1	29.9	**31.2**	24.2	27.6	26.8	26.2	27.5	25.4	28.4	9.5	9.6	10.3	14.4	13.3	12.6	9.4	9.4	**31.2**	**21.8**
Feb 24	9.8	8.0	7.2	7.8	7.2	5.3	6.0	4.6	5.2	1.4	3.3	3.0	5.1	7.0	10.3	8.8	8.3	7.3	7.2	7.2	4.8	4.2	1.6	5.0	1.4	10.3	6.1
Feb 25	10.8	15.2	15.4	11.2	11.1	9.3	13.6	14.3	15.0	17.6	19.9	18.5	20.3	21.4	24.2	27.4	24.3	25.8	23.8	24.6	28.0	24.0	22.1	19.9	9.3	28.0	19.1
Feb 26	23.5	23.4	21.9	22.9	20.3	18.1	17.2	16.4	15.3	18.9	16.2	10.8	10.2	8.9	8.9	9.0	10.9	8.9	6.2	2.5	1.7	2.9	2.5	2.0	1.7	23.5	12.5
Feb 27	1.6	2.3	3.4	4.9	4.3	6.7	4.0	5.1	4.2	5.2	8.0	13.7	15.8	15.2	10.4	12.4	12.3	11.2	6.0	10.0	10.1	13.0	14.5	12.8	1.6	15.8	8.6
Feb 28	14.2	17.7	14.9	16.5	15.9	14.6	15.8	13.7	10.7	13.6	12.3	8.8	4.5	6.3	9.4	13.6	17.7	18.9	14.6	19.3	19.6	23.2	20.4	19.5	4.5	23.2	14.8
Feb 29	15.7	14.1	14.5	13.5	7.5	9.5	7.8	1.5	2.8	4.9	7.5	9.0	10.2	8.3	9.5	11.3	14.0	12.6	11.4	14.0	16.1	16.4	14.3	12.6	1.5	16.4	10.8
Diurnal Maximum	25.5	25.9	22.8	23.2	29.8	24.6	21.6	23.7	29.9	31.2	24.2	27.6	26.8	26.2	27.5	27.4	28.4	25.8	23.8	24.6	28.0	24.0	22.1	19.9			
Diurnal Average	9.1	9.0	9.1	10.0	9.9	9.0	9.5	9.6	8.9	9.5	9.6	9.4	10.3	10.5	10.4	10.5	10.7	9.1	8.8	8.8	9.3	9.9	9.1	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)			

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.



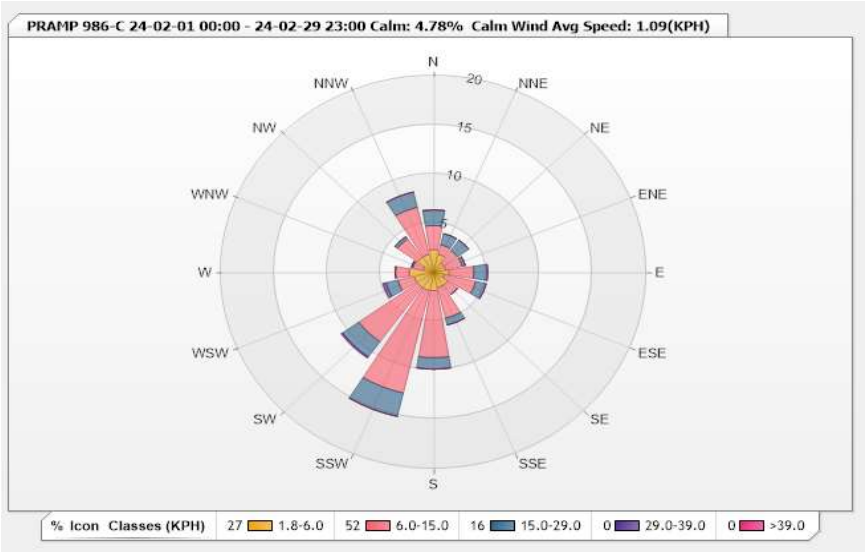


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 02-2024

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

Calm (WS<1.8kph): 4.78% Valid Data: 99.14%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	2.32	2.46	1.59	0	0	6.37
NNE	1.88	1.01	1.16	0	0	4.05
NE	1.16	1.59	1.3	0	0	4.05
ENE	1.16	1.59	0.29	0	0	3.04
E	1.45	2.32	1.3	0	0	5.07
ESE	1.01	3.04	1.01	0	0	5.06
SE	1.59	1.16	0	0	0	2.75
SSE	1.59	3.19	0.72	0	0	5.5
S	1.88	6.81	1.16	0	0	9.85
SSW	1.88	10.72	2.46	0	0	15.06
SW	1.88	6.81	1.88	0.14	0	10.71
WSW	1.88	1.59	1.16	0.29	0	4.92
W	2.32	1.3	0	0	0	3.62
WNW	1.01	1.01	0.14	0	0	2.16
NW	1.88	2.32	0.29	0	0	4.49
NNW	1.88	4.93	1.59	0	0	8.4
Summary	26.77	51.85	16.05	0.43	0	95.1



Peace River Area Monitoring Program

986-C Station - February 2024

Summary of Hourly Averages

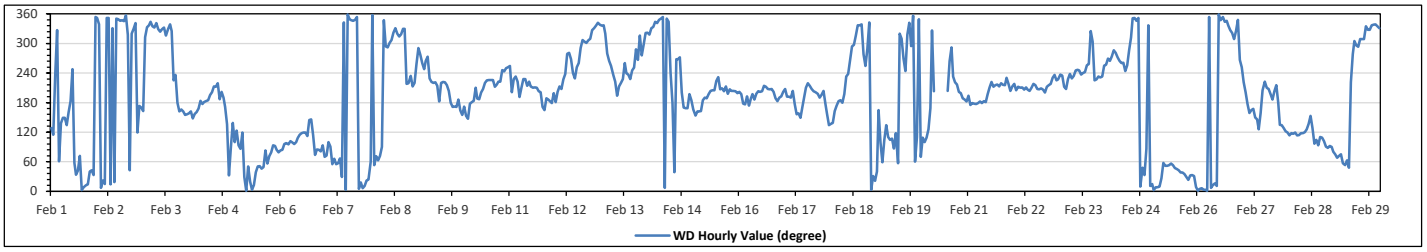
WIND DIRECTION (VWD) in sector

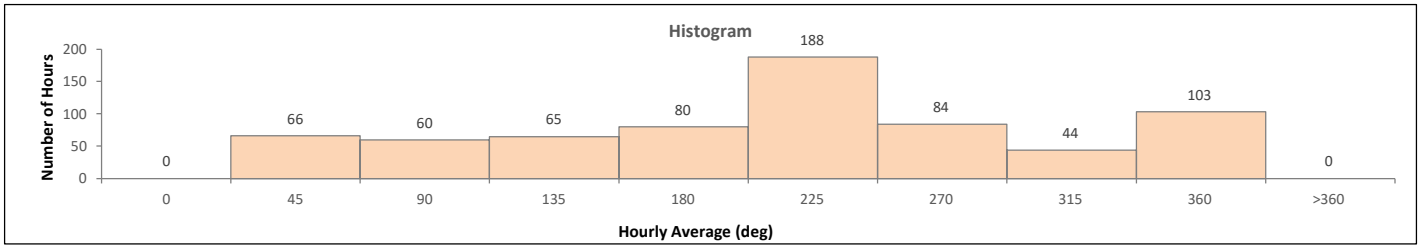
Monthly Average:	206 (SSW)	degree	
Hours in Service:	696		
Hours of Data:	690		
Hours of Missing Data:	6		
Hours of Calibration:	0		
Operational Uptime:	99.1		

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
Feb 1	SE	ESE	SW	NW	ENE	SE	SSE	SSE	SE	SSE	S	WSW	ENE	NE	NE	ENE	N	N	NNE	NNE	NE	NE	NNE	N	68	ENE
Feb 2	N	NNW	N	NNE	NNE	N	N	NNE	NNW	NNE	N	NNW	NNW	NNW	NNW	N	NW	NE	NW	NNW	NNW	ESE	S	SSE	356	N
Feb 3	SSE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NW	NNW	NNW	NW	SW	SW	S	SSE	SSE	SSE	SSE	SSE	321	NW
Feb 4	SSE	SSE	SE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	S	SSW	S	S	SE	NNE	E	SE	178	S
Feb 5	E	ESE	E	E	ESE	NNE	N	NE	NNE	N	NNE	NE	NE	NE	NE	NE	E	NE	ENE	ENE	E	E	E	ENE	64	ENE
Feb 6	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	ESE	ENE	E	E	E	E	ENE	100	E
Feb 7	ENE	E	E	NE	ENE	NE	ENE	ENE	NNE	NNW	N	N	NNW	NNW	NNW	NNW	N	N	NNE	N	NNE	NNE	NNE	ENE	24	NNE
Feb 8	N	NE	ENE	ENE	ENE	E	NNW	WNW	WNW	WNW	NW	NW	NNW	NW	NW	NW	NNW	NNW	SW	SW	SW	SSW	SW	WSW	304	WNW
Feb 9	WNW	W	WSW	WSW	W	W	SW	SW	SW	SW	SSW	S	SW	SW	SW	SSW	SSW	S	S	S	S	S	SSE	SSE	205	SSW
Feb 10	S	SSE	SE	S	S	S	SSW	S	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	210	SSW
Feb 11	WSW	SSW	SW	SW	SW	S	SSW	SW	SW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	S	S	S	S	SSW	208	SSW
Feb 12	S	SSW	SSW	SSW	SW	SW	W	W	W	WSW	SW	WSW	WSW	WNW	NW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	284	WNW
Feb 13	NNW	NNW	NW	W	W	WSW	SW	SW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	WSW	WSW	WNW	W	NW	W	WNW	NW	262	W
Feb 14	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	WSW	S	NE	W	W	W	SSW	SSE	SSE	SSE	SSW	S	303	WNW
Feb 15	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	198	SSW
Feb 16	SSW	SSW	S	S	S	S	S	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW	199	SSW
Feb 17	SSW	S	S	S	SSW	S	SSE	SSE	SSE	S	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSE	SE	192	S
Feb 18	SE	SE	SSE	S	S	S	S	SSW	SW	SW	W	WNW	WNW	NW	NNW	NNW	NNW	W	WSW	WNW	NNW	N	NNE	NNE	286	WNW
Feb 19	NE	SSE	E	ENE	ESE	SE	ESE	ESE	ESE	E	ESE	ENE	NW	NW	W	WSW	NW	NNW	WNW	N	ENE	ESE	NNW	ENE	84	E
Feb 20	ESE	E	ESE	SE	SSE	NW	SSW	K	K	K	K	K	K	SSW	W	WNW	SW	SW	SW	SSW	SSW	S	S	S	189	S
Feb 21	SSW	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SSW	SSW	SW	SSW	SW	SW	SSW	SW	SW	SSW	SSW	203	SSW
Feb 22	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	214	SSW
Feb 23	SW	SW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	NW	WNW	SW	SW	SW	SW	SW	WSW	242	WSW
Feb 24	WSW	W	W	W	WNW	W	W	W	WSW	W	WSW	WSW	WNW	NW	N	N	NNW	N	N	NE	NNE	E	NNW	NNE	311	NW
Feb 25	NNE	N	N	N	N	NNE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	N	34	NE
Feb 26	N	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NNW	N	NNW	NNW	NNW	NW	NW	NW	NW	NNW	W	WSW	358	N
Feb 27	SW	SSW	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSW	SW	SSW	SSW	SSW	S	SSW	SSW	S	SE	SE	SE	ESE	ESE	174	S
Feb 28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SSE	SE	E	ESE	E	ESE	ESE	E	E	E	E	E	E	108	ESE
Feb 29	ENE	ENE	ENE	ENE	ENE	NE	ENE	NE	SW	W	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	351	N

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 - February 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	31.2	kph	on Feb 23 at hr 9	Hours in Service:	696
Maximum Daily Value:	21.8	kph	on Feb 23	Hours of Data:	690
Minimum Hourly Value:	0.1	kph	on Feb 2 at hr 20	Hours of Missing Data:	6
Minimum Daily Value:	3.7	kph	on Feb 19	Hours of Calibration:	0
Monthly Average:	2.0	kph		Operational Uptime:	99.1

WIND DIRECTION

Monthly Average: 206 degree (SSW)

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			
Feb 1	7.0	6.6	0.5	1.7	1.4	4.6	5.3	4.8	2.3	6.2	6.6	0.3	1.4	2.9	3.2	6.9	4.7	5.9	7.7	4.8	7.0	8.6	6.8	4.1	0.3	8.6	4.6
	SE	ESE	SW	NW	ENE	SE	SSE	SSE	SE	SSE	S	WSW	ENE	NE	NE	ENE	N	N	NNE	NNE	NE	NE	NNE	N			68(ENE)
Feb 2	8.1	8.7	7.2	6.0	5.8	8.4	10.4	9.3	8.1	6.9	8.2	7.8	5.6	8.2	6.9	5.0	2.7	2.2	2.1	2.1	**0.1**	4.2	4.9	6.5	**0.1**	10.4	6.1
	N	NNW	N	NNE	NNE	N	N	NNE	NNW	NNE	N	NNW	NNW	NNW	NNW	N	NW	NE	NW	NNW	NNW	ESE	S	SSE			356(N)
Feb 3	5.5	2.7	6.9	15.9	19.2	19.2	17.8	12.9	8.4	8.4	9.1	10.7	7.4	5.5	3.8	2.3	3.2	3.5	6.3	9.5	9.4	12.9	15.7	15.3	2.3	19.2	9.6
	SSE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NW	NNW	NNW	NW	SW	SW	S	SSE	SSE	SSE	SSE	SSE			321(NW)
Feb 4	15.2	14.6	11.1	15.4	20.8	14.7	16.2	23.7	21.4	22.3	19.4	15.1	17.0	12.6	9.6	6.8	9.6	5.7	5.9	4.1	4.6	4.7	3.7	4.2	3.7	23.7	12.4
	SSE	SSE	SE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	S	SSW	S	S	SE	NNE	E	SE			178(S)
Feb 5	3.7	3.6	4.8	3.9	5.4	3.2	7.1	4.1	4.0	5.7	5.7	9.1	10.9	12.5	11.6	9.4	9.7	12.1	14.1	10.2	11.5	12.7	12.5	10.7	3.2	14.1	8.3
	E	ESE	E	E	ESE	NNE	N	NE	NNE	N	NNE	NE	NE	NE	NE	NE	E	NE	ENE	ENE	E	E	E	ENE			64(ENE)
Feb 6	13.9	14.0	17.6	23.0	20.3	17.1	16.2	14.5	12.7	14.6	13.2	13.6	11.4	9.8	8.3	8.7	6.7	5.8	10.6	11.6	9.5	7.6	8.0	6.4	5.8	23.0	12.3
	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	ESE	ENE	E	E	E	E	ENE			100(E)
Feb 7	5.4	5.1	3.9	3.9	4.4	3.8	4.1	4.2	2.1	4.0	5.7	4.4	6.1	6.1	5.9	5.9	5.5	4.4	4.8	3.6	3.3	3.2	2.2	3.6	2.1	6.1	4.4
	ENE	E	E	NE	ENE	NE	ENE	ENE	NNE	NNW	N	N	NNW	NNW	NNW	NNW	N	N	NNE	N	NNE	NNE	NNE	ENE			24(NNE)
Feb 8	2.8	3.2	3.3	3.3	**0.1**	1.0	0.6	2.9	3.5	3.3	5.4	7.7	8.5	9.4	8.3	8.5	9.0	5.1	2.1	3.3	5.7	7.5	7.4	4.8	**0.1**	9.4	4.9
	N	NE	ENE	ENE	ENE	E	NNW	WNW	WNW	WNW	NW	NW	NNW	NW	NW	NW	NNW	NNW	SW	SW	SW	SSW	SW	WSW			304(WNW)
Feb 9	4.2	4.5	4.6	3.7	4.7	3.9	4.3	5.7	4.2	3.1	1.5	2.9	9.8	10.2	9.4	7.3	8.4	8.5	10.8	11.5	9.3	9.1	8.8	6.9	1.5	11.5	6.6
	WNW	W	WSW	WSW	W	W	SW	SW	SW	SW	SSW	S	SW	SW	SW	SSW	SSW	S	S	S	S	S	SSE	SSE			205(SSW)
Feb 10	10.5	7.3	5.0	15.0	18.3	11.7	16.3	15.5	18.9	18.3	19.3	16.3	17.9	16.5	15.7	12.2	9.7	10.4	13.9	15.7	12.7	11.6	10.3	9.3	5.0	19.3	13.7
	S	SSE	SE	S	S	S	SSW	S	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW			210(SSW)
Feb 11	10.9	14.4	15.5	14.5	8.6	10.4	11.1	12.6	10.5	6.9	10.0	9.4	13.0	14.1	12.8	11.8	10.7	10.3	10.4	9.6	8.2	11.2	8.6	7.7	6.9	15.5	11.0
	WSW	SSW	SW	SW	SW	S	SSW	SW	SW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSE	S	S	S	S	SSW			208(SSW)
Feb 12	9.1	10.1	12.3	15.4	14.0	10.0	9.6	10.3	8.6	11.0	10.3	8.0	7.3	9.6	16.0	15.4	14.4	9.7	10.4	16.0	17.1	17.5	19.6	16.8	7.3	19.6	12.4
	S	SSW	SSW	SSW	SW	SW	W	W	W	WSW	SW	WSW	WSW	WNW	NW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW			284(WNW)
Feb 13	13.8	9.8	5.4	4.4	4.1	3.6	4.8	5.8	5.2	5.9	6.6	7.3	6.5	6.6	4.9	3.6	4.7	4.7	1.6	1.6	2.1	0.3	1.1	1.1	0.3	13.8	4.8
	NNW	NNW	NW	W	W	WSW	SW	SW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	WSW	WSW	WNW	W	NW	W	WNW	NW			262(W)
Feb 14	2.8	5.5	7.7	4.3	6.8	8.0	8.4	8.3	3.9	5.3	1.3	1.2	2.6	0.6	0.4	3.3	6.2	4.5	4.3	6.5	7.5	6.9	4.7	5.4	0.4	8.4	4.9
	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	WSW	S	NE	W	W	W	SSW	SSE	SSE	SSE	SSW	S			303(WNW)
Feb 15	5.7	6.2	7.2	6.1	6.2	3.9	4.2	5.4	4.2	4.5	4.7	7.0	8.2	9.5	9.3	9.1	13.6	11.1	10.3	6.2	8.5	11.1	8.0	7.5	3.9	13.6	7.4
	SSE	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW			198(SSW)
Feb 16	9.3	8.9	8.0	12.0	9.6	8.7	8.8	9.1	9.0	11.1	14.1	14.6	16.1	18.0	20.7	19.9	17.9	16.3	14.2	10.8	10.7	10.4	9.0	7.8	7.8	20.7	12.3
	SSW	SSW	S	S	S	S	S	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW			199(SSW)
Feb 17	6.4	4.8	6.7	5.5	5.1	3.6	10.0	8.2	7.5	10.2	8.4	9.6	10.6	12.0	12.4	12.4	11.2	9.7	12.1	8.8	6.2	4.2	4.9	1.9	1.9	12.4	8.0
	SSW	S	S	S	SSW	S	SSE	SSE	SSE	S	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSE	SE			192(S)
Feb 18	3.3	1.6	5.4	7.4	6.7	9.3	7.0	4.3	6.5	5.0	2.9	2.9	6.6	11.1	8.6	12.8	9.5	5.4	2.8	1.4	5.5	6.9	6.1	4.3	1.4	12.8	6.0
	SE	SE	SSE	S	S	S	S	SSW	SW	SW	W	WNW	WNW	NW	NNW	NNW	NNW	W	WSW	WNW	NNW	N	NNE	NNE			286(WNW)
Feb 19	2.8	1.2	3.8	2.4	6.8	3.6	4.6	7.6	7.7	3.2	2.6	0.6	2.9	4.7	4.8	2.9	3.2	2.6	0.2	0.8	1.8	8.8	3.6	6.3	0.2	8.8	**3.7**
	NE	SSE	E	ENE	ESE	SE	ESE	ESE	ESE	E	ESE	ENE	NW	NW	W	WSW	NW	NNW	WNW	N	ENE	ESE	NNW	ENE			84(E)
Feb 20	6.8	4.2	5.5	4.6	3.1	4.3	1.1	**K**	**K**	**K**	**K**	**K**	**K**	2.8	1.3	3.7	6.9	6.6	6.7	6.9	8.7	8.3	8.4	8.8	1.1	8.8	5.5
	ESE	E	ESE	SE	SSE	NW	SSW	**K**	**K**	**K**	**K**	**K**	**K**	SSW	W	WNW	SW	SW	SW	SSW	SSW	S	S	S			189(S)
Feb 21	7.1	9.1	11.1	10.1	9.2	10.8	11.3	10.1	7.6	7.0	10.4	12.3	13.7	15.9	17.9	17.9	15.6	13.3	13.9	11.4	10.5	9.2	7.5	8.7	7.0	17.9	11.3
	SSW	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SSW	SSW	SW	SSW	SW	SW	SSW	SW	SW	SSW	SSW			203(SSW)
Feb 22	7.7	9.4	10.6	10.4	9.2	9.1	10.2	10.0	9.4	9.7	11.0	11.5	12.6	13.3	10.9	11.3	12.3	12.5	11.6	11.8	13.7	14.5	14.6	17.6	7.7	17.6	11.5
	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW			214(SSW)
Feb 23	25.5	25.9	22.8	23.2	29.8	24.6	21.6	23.1	29.9	**31.2**	24.2	27.6	26.8	26.2	27.5	25.4	28.4	9.5	9.6	10.3	14.4	13.3	12.6	9.4	9.4	**31.2**	**21.8**
	SW	SW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	NW	WNW	SW	SW	SW	SW	SW	WSW			242(WSW)
Feb 24	9.8	8.0	7.2	7.8	7.2	5.3	6.0	4.6	5.2	1.4	3.3	3.0	5.1	7.0	10.3	8.8	8.3	7.3	7.2	7.2	4.8	4.2	1.6	5.0	1.4	10.3	6.1
	WSW	W	W	W	WNW	W	W	W	WSW	W	WSW	WSW	WNW	NW	N	N	NNW	N	N	NE	NNE	E	NNW	NNE			311(NW)
Feb 25	10.8	15.2	15.4	11.2	11.1	9.3	13.6	14.3	15.0	17.6	19.9	18.5	20.3	21.4	24.2	27.4	24.3	25.8	23.8	24.6	28.0	24.0	22.1	19.9	9.3	28.0	19.1
	NNE	N	N	N	N	NNE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	N			34(NE)
Feb 26	23.5	23.4	21.9	22.9	20.3	18.1	17.2	16.4	15.3	18.9	16.2	10.8	10.2	8.9	8.9	9.0	10.9	8.9	6.2	2.5	1.7	2.9	2.5	2.0	1.7	23.5	12.5
	N	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NNW	N	NNW	NNW	NNW	NW	NW	NW	NW	NNW	W	WSW			358(N)
Feb 27	1.6	2.3	3.4	4.9	4.3	6.7	4.0	5.1	4.2	5.2	8.0	13.7	15.8	15.2	10.4	12.4	12.3	11.2	6.0	10.0	10.1	13.0	14.5	12.8	1.6	15.8	8.6
	SW	SSW	S	SSE	SSE	SSE	SSE	SE	SE	SSE	SSW	SW	SSW	SSW	SSW	S	SSW	SSW	S	SE	SE	SE	ESE	ESE			174(S)
Feb 28	14.2	17.7	14.9	16.5	15.9	14.6	15.8	13.7	10.7	13.6	12.3	8.8	4.5	6.3	9.4	13.6	17.7	18.9	14.6	19.3	19.6	23.2	20.4	19.5	4.5	23.2	14.8
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SSE	SE	E	ESE	E	ESE	ESE	E	E	E	E	E	E			108(ESE)
Feb 29	15.7	14.1	14.5	13.5	7.5	9.5	7.8	1.5	2.8	4.9	7.5	9.0	10.2	8.3	9.5	11.3	14.0	12.6	11.4	14.0	16.1	16.4	14.3	12.6	1.5	16.4	10.8
	ENE	ENE	ENE	ENE	ENE	NE	ENE	NE	SW	W	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			351(N)

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 - February 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

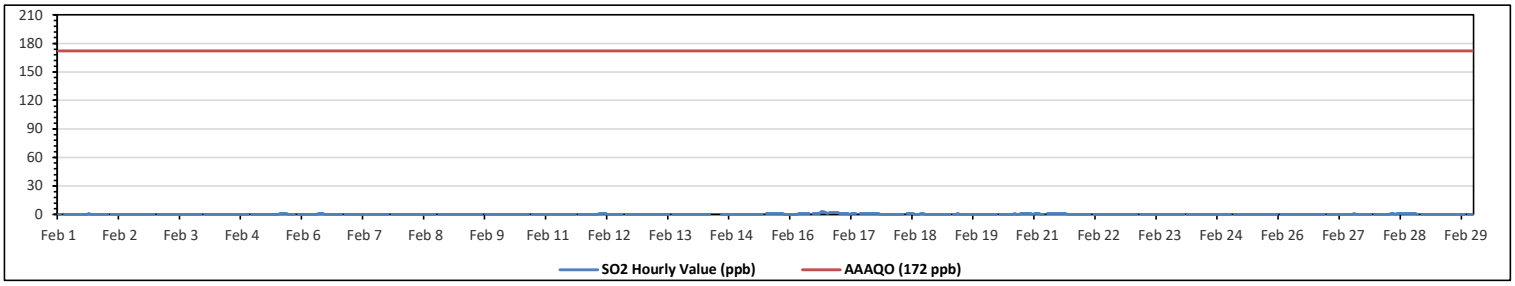
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

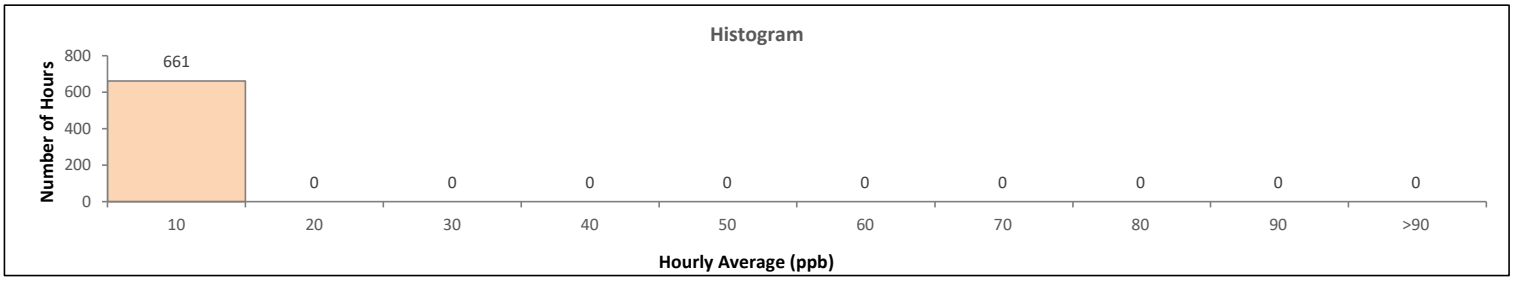
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	3	ppb	on Feb 16 at hr 15	Hours in Service:	696	
Maximum Daily Value:	1.3	ppb	on Feb 16	Hours of Data:	661	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	35	
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			
Feb 1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.0
Feb 2	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
Feb 3	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
Feb 4	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
Feb 5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	S	0	0	0	1	0.2
Feb 6	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.1
Feb 7	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
Feb 8	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
Feb 9	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
Feb 10	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
Feb 11	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
Feb 12	0	0	1	1	1	1	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.2
Feb 13	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
Feb 14	0	0	0	0	0	0	0	0	0	C	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Feb 15	0	0	0	0	0	0	0	0	0	0	0	S	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0.4
Feb 16	0	0	0	0	1	1	1	1	1	1	S	1	1	1	1	3	3	2	1	2	2	2	2	2	0	3	1.3
Feb 17	1	1	1	1	1	0	1	1	1	S	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0.8
Feb 18	0	0	0	0	0	0	0	0	S	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0.3
Feb 19	0	0	0	0	0	0	0	S	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 20	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	1	0.3
Feb 21	1	1	1	0	0	S	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0.6
Feb 22	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
Feb 23	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
Feb 24	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
Feb 25	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
Feb 26	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
Feb 27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	1	0.0
Feb 28	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	S	0	0	0	1	0.5
Feb 29	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	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	1	2	2	2	2	2			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	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.



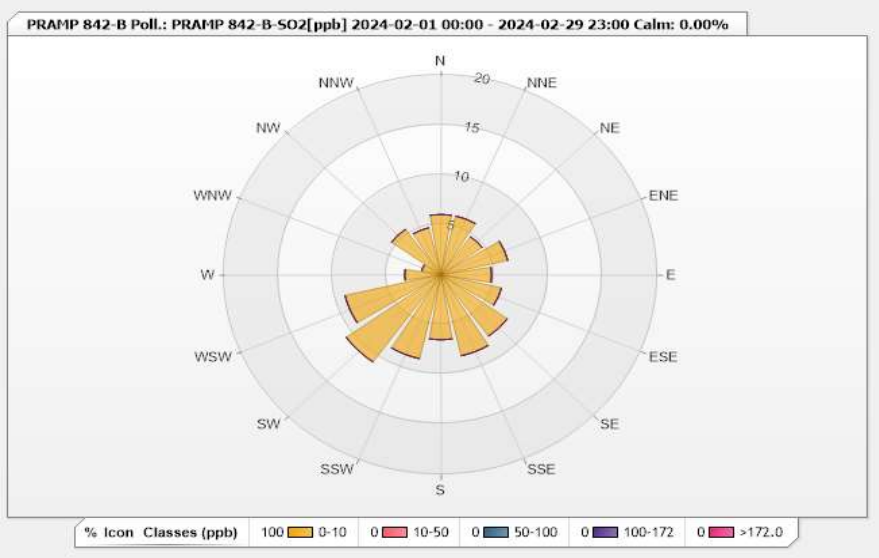


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	6.05	0	0	0	0	6.05
NNE	6.05	0	0	0	0	6.05
NE	4.69	0	0	0	0	4.69
ENE	6.35	0	0	0	0	6.35
E	4.69	0	0	0	0	4.69
ESE	5.75	0	0	0	0	5.75
SE	7.56	0	0	0	0	7.56
SSE	8.32	0	0	0	0	8.32
S	6.51	0	0	0	0	6.51
SSW	8.62	0	0	0	0	8.62
SW	10.74	0	0	0	0	10.74
WSW	9.08	0	0	0	0	9.08
W	3.33	0	0	0	0	3.33
WNW	1.82	0	0	0	0	1.82
NW	5.6	0	0	0	0	5.6
NNW	4.84	0	0	0	0	4.84
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

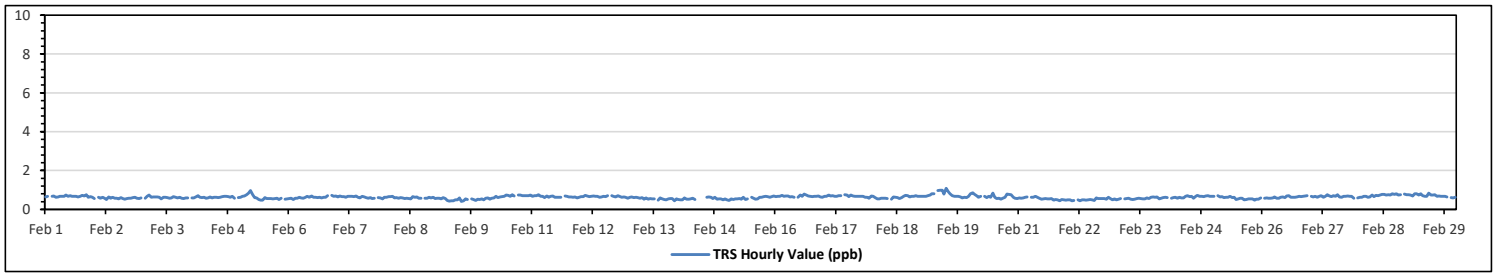
TOTAL REDUCED SULPHUR (TRS) in ppb

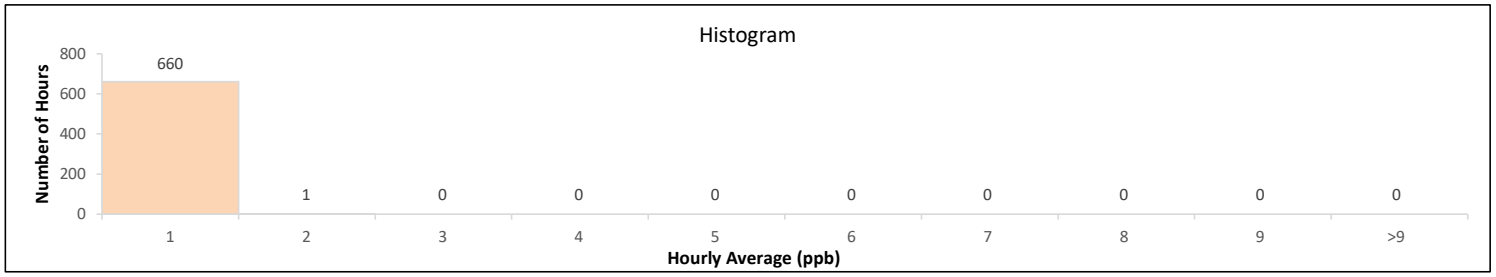
Maximum Hourly Value:	1.09	ppb	on Feb 19 at hr 12	Hours in Service:	696
Maximum Daily Value:	0.75	ppb	on Feb 19	Hours of Data:	661
Minimum Hourly Value:	0.41	ppb	on Feb 9 at hr 13	Hours of Missing Data:	0
Minimum Daily Value:	0.51	ppb	on Feb 9	Hours of Calibration:	35
Monthly Average:	0.62	ppb		Operational 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			
Feb 1	0.64	0.67	S	0.68	0.69	0.62	0.64	0.66	0.66	0.67	0.74	0.68	0.71	0.66	0.67	0.68	0.64	0.67	0.72	0.69	0.76	0.62	0.65	0.62	0.62	0.76	0.67
Feb 2	0.56	S	0.62	0.57	0.61	0.58	0.51	0.64	0.57	0.62	0.58	0.57	0.54	0.6	0.55	0.52	0.56	0.57	0.58	0.6	0.61	0.58	0.55	0.59	0.51	0.64	0.58
Feb 3	S	0.58	0.68	0.73	0.63	0.64	0.64	0.64	0.61	0.54	0.62	0.61	0.6	0.58	0.59	0.65	0.62	0.59	0.62	0.57	0.56	0.59	0.59	S	0.54	0.73	0.61
Feb 4	0.59	0.59	0.64	0.7	0.61	0.6	0.63	0.57	0.59	0.64	0.59	0.61	0.62	0.6	0.62	0.65	0.67	0.67	0.65	0.61	0.66	0.57	S	0.6	0.57	0.70	0.62
Feb 5	0.62	0.66	0.69	0.75	0.84	0.96	0.75	0.6	0.59	0.5	0.47	0.47	0.6	0.55	0.56	0.55	0.53	0.55	0.57	0.51	0.57	S	0.52	0.53	0.47	0.96	0.61
Feb 6	0.56	0.58	0.51	0.58	0.58	0.62	0.59	0.58	0.62	0.67	0.62	0.69	0.62	0.63	0.6	0.63	0.59	0.62	0.62	0.7	S	0.72	0.66	0.69	0.51	0.72	0.62
Feb 7	0.64	0.69	0.65	0.65	0.63	0.68	0.67	0.66	0.65	0.69	0.63	0.59	0.66	0.64	0.6	0.58	0.6	0.56	0.58	S	0.6	0.59	0.54	0.63	0.54	0.69	0.63
Feb 8	0.63	0.65	0.65	0.66	0.59	0.6	0.58	0.6	0.59	0.55	0.58	0.55	0.54	0.65	0.61	0.64	0.57	0.57	S	0.58	0.57	0.62	0.59	0.62	0.54	0.66	0.60
Feb 9	0.56	0.58	0.57	0.53	0.6	0.56	0.46	0.42	0.45	0.43	0.48	0.49	0.59	0.41	0.43	0.53	0.5	S	0.53	0.51	0.46	0.52	0.51	0.53	0.41	0.60	0.51
Feb 10	0.48	0.58	0.59	0.52	0.57	0.59	0.68	0.6	0.64	0.65	0.67	0.73	0.72	0.67	0.75	0.69	S	0.73	0.73	0.71	0.7	0.7	0.7	0.74	0.48	0.75	0.66
Feb 11	0.66	0.7	0.7	0.75	0.68	0.67	0.6	0.69	0.62	0.66	0.69	0.63	0.62	0.61	0.63	S	0.69	0.67	0.64	0.64	0.63	0.64	0.59	0.63	0.59	0.75	0.65
Feb 12	0.65	0.65	0.72	0.69	0.65	0.67	0.69	0.67	0.67	0.62	0.64	0.68	0.65	0.7	S	0.7	0.68	0.64	0.71	0.68	0.61	0.64	0.63	0.57	0.57	0.72	0.66
Feb 13	0.61	0.64	0.6	0.62	0.6	0.57	0.6	0.52	0.59	0.52	0.56	0.53	0.53	S	0.47	0.59	0.53	0.5	0.49	0.53	0.55	0.56	0.45	0.54	0.45	0.64	0.55
Feb 14	0.5	0.49	0.49	0.59	0.52	0.52	0.53	0.57	0.51	C	C	C	C	C	0.62	0.64	0.62	0.56	0.62	0.52	0.53	0.53	0.49	0.54	0.49	0.64	0.55
Feb 15	0.49	0.46	0.54	0.5	0.54	0.54	0.55	0.52	0.61	0.51	0.54	S	0.61	0.57	0.52	0.54	0.61	0.63	0.65	0.67	0.65	0.61	0.65	0.69	0.46	0.69	0.57
Feb 16	0.65	0.67	0.67	0.72	0.68	0.69	0.69	0.64	0.65	0.62	S	0.63	0.74	0.66	0.78	0.73	0.69	0.68	0.65	0.68	0.68	0.69	0.64	0.62	0.62	0.78	0.68
Feb 17	0.66	0.66	0.73	0.69	0.71	0.67	0.66	0.71	0.7	S	0.75	0.74	0.65	0.73	0.69	0.66	0.66	0.67	0.68	0.67	0.62	0.61	0.58	0.69	0.58	0.75	0.68
Feb 18	0.67	0.6	0.53	0.54	0.57	0.58	0.58	0.56	S	0.52	0.64	0.63	0.6	0.56	0.6	0.68	0.72	0.71	0.64	0.67	0.66	0.7	0.66	0.66	0.52	0.72	0.62
Feb 19	0.67	0.67	0.66	0.7	0.73	0.79	0.8	S	0.96	0.99	0.99	0.78	**1.09**	0.9	0.79	0.7	0.66	0.68	0.67	0.64	0.59	0.61	0.6	0.66	0.59	**1.09**	**0.75**
Feb 20	0.8	0.85	0.77	0.7	0.63	0.68	S	0.67	0.6	0.68	0.63	0.84	0.62	0.56	0.57	0.52	0.58	0.61	0.78	0.77	0.76	0.62	0.57	0.56	0.52	0.85	0.67
Feb 21	0.59	0.58	0.59	0.62	0.64	S	0.62	0.61	0.66	0.63	0.57	0.52	0.53	0.55	0.54	0.53	0.55	0.47	0.51	0.48	0.44	0.5	0.49	0.47	0.44	0.66	0.55
Feb 22	0.49	0.48	0.44	0.46	S	0.48	0.43	0.48	0.48	0.47	0.49	0.5	0.48	0.46	0.59	0.55	0.56	0.55	0.55	0.52	0.61	0.56	0.49	0.53	0.43	0.61	0.51
Feb 23	0.49	0.52	0.55	S	0.54	0.56	0.58	0.52	0.51	0.52	0.55	0.58	0.55	0.54	0.54	0.59	0.55	0.63	0.64	0.61	0.64	0.53	0.57	0.6	0.49	0.64	0.56
Feb 24	0.63	0.6	S	0.57	0.6	0.61	0.58	0.61	0.59	0.59	0.68	0.7	0.65	0.68	0.57	0.66	0.72	0.66	0.68	0.65	0.69	0.71	0.66	0.66	0.57	0.72	0.64
Feb 25	0.67	S	0.71	0.64	0.65	0.6	0.63	0.62	0.66	0.6	0.61	0.51	0.54	0.57	0.58	0.49	0.51	0.54	0.54	0.53	0.47	0.52	0.52	0.59	0.47	0.71	0.58
Feb 26	S	0.57	0.59	0.57	0.58	0.59	0.64	0.57	0.58	0.61	0.64	0.6	0.69	0.7	0.62	0.61	0.61	0.64	0.67	0.65	0.68	0.69	0.7	S	0.57	0.70	0.63
Feb 27	0.66	0.64	0.68	0.62	0.67	0.7	0.62	0.67	0.75	0.69	0.65	0.7	0.68	0.75	0.64	0.63	0.66	0.68	0.69	0.67	0.68	0.57	S	0.59	0.57	0.75	0.66
Feb 28	0.62	0.61	0.66	0.66	0.63	0.64	0.74	0.65	0.72	0.71	0.74	0.77	0.77	0.74	0.76	0.73	0.8	0.77	0.8	0.74	0.76	S	0.78	0.76	0.61	0.80	0.72
Feb 29	0.76	0.74	0.69	0.79	0.79	0.74	0.81	0.71	0.67	0.68	0.83	0.74	0.74	0.76	0.66	0.69	0.68	0.68	0.68	0.64	S	0.6	0.59	0.63	0.59	0.83	0.71
Diurnal Maximum	0.80	0.85	0.77	0.79	0.84	0.96	0.81	0.71	0.96	0.99	0.99	0.84	1.09	0.90	0.79	0.73	0.80	0.77	0.80	0.77	0.76	0.72	0.78	0.76			
Diurnal Average	0.61	0.62	0.63	0.64	0.63	0.63	0.63	0.61	0.63	0.61	0.64	0.63	0.64	0.63	0.61	0.62	0.62	0.63	0.64	0.62	0.62	0.61	0.59	0.61			

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.



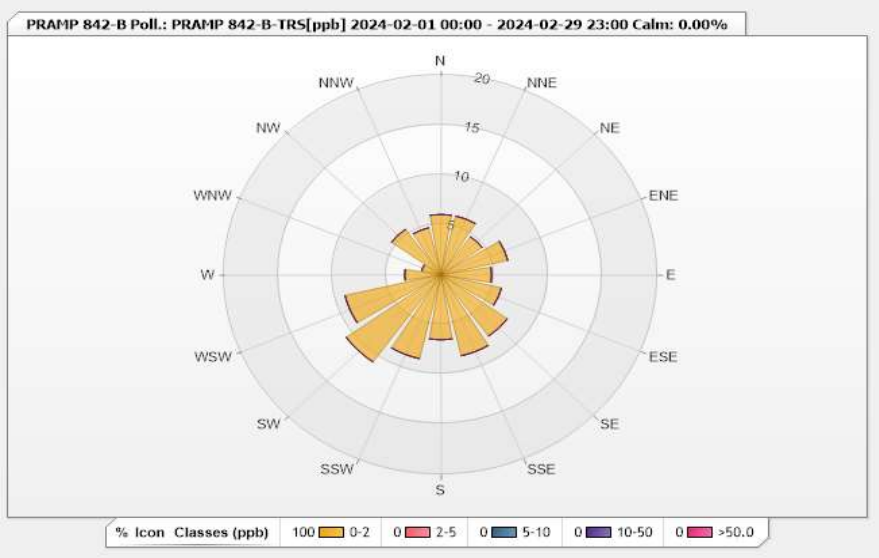


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	6.05	0	0	0	0	6.05
NNE	6.05	0	0	0	0	6.05
NE	4.69	0	0	0	0	4.69
ENE	6.35	0	0	0	0	6.35
E	4.69	0	0	0	0	4.69
ESE	5.75	0	0	0	0	5.75
SE	7.56	0	0	0	0	7.56
SSE	8.32	0	0	0	0	8.32
S	6.51	0	0	0	0	6.51
SSW	8.62	0	0	0	0	8.62
SW	10.74	0	0	0	0	10.74
WSW	9.08	0	0	0	0	9.08
W	3.33	0	0	0	0	3.33
WNW	1.82	0	0	0	0	1.82
NW	5.6	0	0	0	0	5.6
NNW	4.84	0	0	0	0	4.84
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

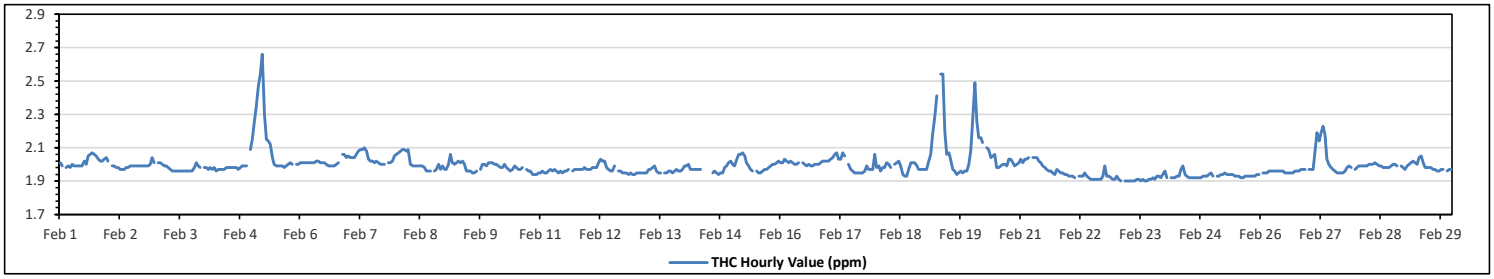
TOTAL HYDROCARBONS (THC) in ppm

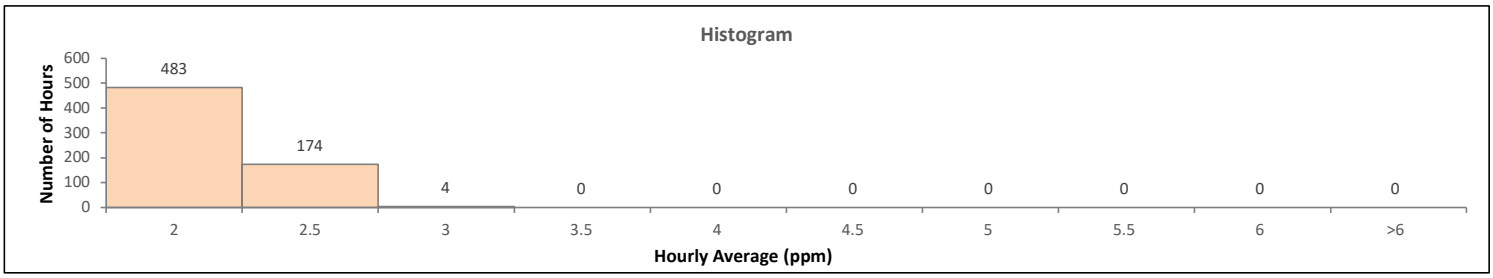
Maximum Hourly Value:	2.66	ppm	on Feb 5 at hr 5	Hours in Service:	696
Maximum Daily Value:	2.13	ppm	on Feb 5	Hours of Data:	661
Minimum Hourly Value:	1.90	ppm	on Feb 23 at hr 2	Hours of Missing Data:	0
Minimum Daily Value:	1.91	ppm	on Feb 23	Hours of Calibration:	35
Monthly Average:	1.99	ppm		Operational 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			
Feb 1	2.01	1.99	S	1.98	1.99	1.98	2.00	1.99	1.99	1.99	1.99	1.99	2.02	2.00	2.05	2.06	2.07	2.06	2.05	2.03	2.02	2.02	2.03	2.04	1.98	2.07	2.02
Feb 2	2.02	S	1.99	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.04	2.01	1.97	2.04	1.99
Feb 3	S	2.01	2.01	2.00	1.99	1.99	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	2.01	1.99	1.98	S	1.96	2.01	1.98
Feb 4	1.98	1.98	1.97	1.98	1.97	1.98	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.99	1.99	1.99	S	2.09	1.96	2.09	1.98
Feb 5	2.15	2.25	2.34	2.47	2.54	**2.66**	2.30	2.15	2.14	2.12	2.04	2.00	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.01	2.00	S	2.00	2.00	1.98	**2.66**	**2.13**
Feb 6	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	2.00	1.99	1.99	1.99	1.99	2.00	2.01	S	2.06	2.06	2.04	1.99	2.06	2.01
Feb 7	2.05	2.04	2.04	2.04	2.06	2.08	2.09	2.09	2.10	2.08	2.03	2.02	2.02	2.01	2.02	2.01	2.00	2.00	2.00	S	2.01	2.01	2.02	2.05	2.00	2.10	2.04
Feb 8	2.06	2.07	2.08	2.09	2.09	2.08	2.09	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.96	1.96	1.96	S	1.96	1.97	2.00	1.97	1.99	1.96	2.09	2.01
Feb 9	1.97	1.97	2.00	2.06	2.01	2.00	2.01	2.02	2.01	2.02	2.00	1.96	1.96	1.96	1.95	1.95	1.96	S	1.97	2.00	2.00	1.99	2.01	2.01	1.95	2.06	1.99
Feb 10	2.01	2.00	2.00	1.99	1.98	1.98	2.00	1.98	1.97	1.96	1.97	1.99	1.98	1.97	1.97	1.98	S	1.97	1.96	1.96	1.94	1.94	1.94	1.95	1.94	2.01	1.97
Feb 11	1.95	1.96	1.95	1.95	1.96	1.97	1.96	1.97	1.96	1.95	1.96	1.95	1.96	1.96	1.97	S	1.96	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.95	1.98	1.96
Feb 12	1.97	1.97	1.98	1.98	1.98	2.01	2.03	2.02	2.02	1.98	1.97	1.96	1.96	1.99	S	1.96	1.96	1.95	1.95	1.95	1.94	1.95	1.94	1.94	1.94	2.03	1.97
Feb 13	1.95	1.95	1.95	1.95	1.95	1.95	1.97	1.97	1.98	1.99	1.96	1.95	1.95	S	1.95	1.95	1.96	1.96	1.95	1.96	1.97	1.96	1.96	1.97	1.95	1.99	1.96
Feb 14	1.99	1.99	2.00	1.97	1.97	1.97	1.97	1.97	1.97	C	C	C	C	C	1.95	1.96	1.95	1.94	1.95	1.95	1.98	1.99	2.01	2.02	1.94	2.02	1.97
Feb 15	2.00	1.99	2.03	2.06	2.06	2.07	2.05	2.01	1.99	1.97	1.96	S	1.96	1.95	1.95	1.96	1.97	1.97	1.98	1.99	2.00	2.00	2.01	2.02	1.95	2.07	2.00
Feb 16	2.01	2.01	2.03	2.02	2.01	2.02	2.01	2.00	2.00	2.01	S	2.01	2.00	1.99	2.00	1.99	1.99	2.00	2.00	2.00	2.01	2.02	2.02	2.02	1.99	2.03	2.01
Feb 17	2.02	2.03	2.04	2.06	2.07	2.03	2.03	2.07	2.05	S	2.00	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.99	1.97	1.97	1.97	2.06	1.95	2.07	2.00
Feb 18	1.98	1.99	1.96	1.98	1.98	2.01	2.00	1.98	S	2.00	2.01	2.02	1.99	1.94	1.93	1.93	1.97	2.01	2.01	2.01	1.99	1.97	1.97	1.97	1.93	2.02	1.98
Feb 19	1.97	1.97	2.02	2.06	2.18	2.29	2.41	S	2.54	2.54	2.20	2.06	2.07	2.03	1.97	1.96	1.94	1.95	1.96	1.95	1.96	1.96	2.00	2.08	1.94	2.54	2.09
Feb 20	2.26	2.49	2.26	2.16	2.16	2.13	S	2.10	2.09	2.04	2.05	2.06	1.98	1.98	1.99	2.00	2.00	1.99	2.03	2.03	2.01	1.99	2.00	2.01	1.98	2.49	2.08
Feb 21	2.03	2.01	2.03	2.03	2.04	S	2.04	2.04	2.04	2.02	2.01	1.99	1.98	1.97	1.96	1.96	1.95	1.94	1.97	1.96	1.95	1.95	1.94	1.94	1.94	2.04	1.99
Feb 22	1.93	1.93	1.93	1.92	S	1.93	1.93	1.93	1.95	1.93	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.93	1.99	1.93	1.93	1.92	1.91	1.91	1.91	1.99	1.93
Feb 23	1.93	1.91	1.90	S	1.90	1.90	1.90	1.90	1.90	1.90	1.91	1.91	1.90	1.91	1.90	1.90	1.91	1.91	1.92	1.91	1.93	1.93	1.92	1.94	1.90	1.94	1.91
Feb 24	1.96	1.92	S	1.92	1.92	1.92	1.93	1.93	1.97	1.99	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.94	1.95	1.92	1.99	1.93
Feb 25	1.93	S	1.93	1.93	1.94	1.94	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.92	1.95	1.93
Feb 26	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.97	S	1.95	1.97	1.96
Feb 27	1.97	1.97	1.97	2.08	2.19	2.14	2.19	2.23	2.18	2.03	2.00	1.98	1.97	1.96	1.95	1.95	1.95	1.95	1.96	1.98	1.99	1.98	S	1.97	1.95	2.23	2.02
Feb 28	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.99	2.00	2.00	1.99	S	1.99	1.98	1.98	2.01	1.99
Feb 29	1.97	1.99	2.00	2.01	2.02	2.01	2.00	2.04	2.05	2.01	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.97	1.97	S	1.96	1.97	1.97	1.96	2.05	1.99
Diurnal Maximum	2.26	2.49	2.34	2.47	2.54	2.66	2.41	2.23	2.54	2.54	2.20	2.06	2.07	2.03	2.05	2.06	2.07	2.06	2.05	2.03	2.02	2.06	2.06	2.09			
Diurnal Average	2.00	2.01	2.01	2.02	2.03	2.04	2.03	2.01	2.03	2.01	1.99	1.98	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.98	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.



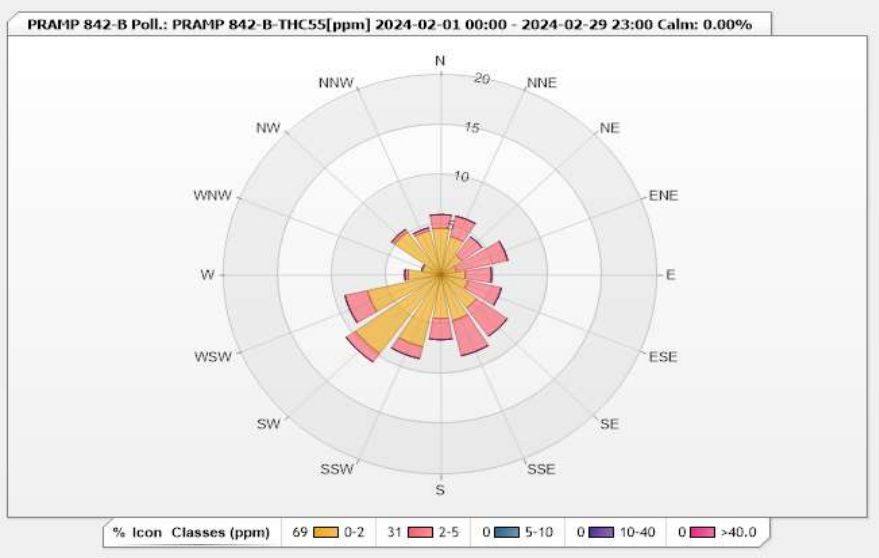


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.69	1.36	0	0	0	6.05
NNE	3.93	2.12	0	0	0	6.05
NE	2.42	2.27	0	0	0	4.69
ENE	1.51	4.84	0	0	0	6.35
E	2.27	2.42	0	0	0	4.69
ESE	2.57	3.18	0	0	0	5.75
SE	4.08	3.48	0	0	0	7.56
SSE	4.69	3.63	0	0	0	8.32
S	4.39	2.12	0	0	0	6.51
SSW	7.41	1.21	0	0	0	8.62
SW	9.68	1.06	0	0	0	10.74
WSW	6.96	2.12	0	0	0	9.08
W	3.03	0.3	0	0	0	3.33
WNW	1.82	0	0	0	0	1.82
NW	5.3	0.3	0	0	0	5.6
NNW	4.54	0.3	0	0	0	4.84
Summary	69.29	30.71	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

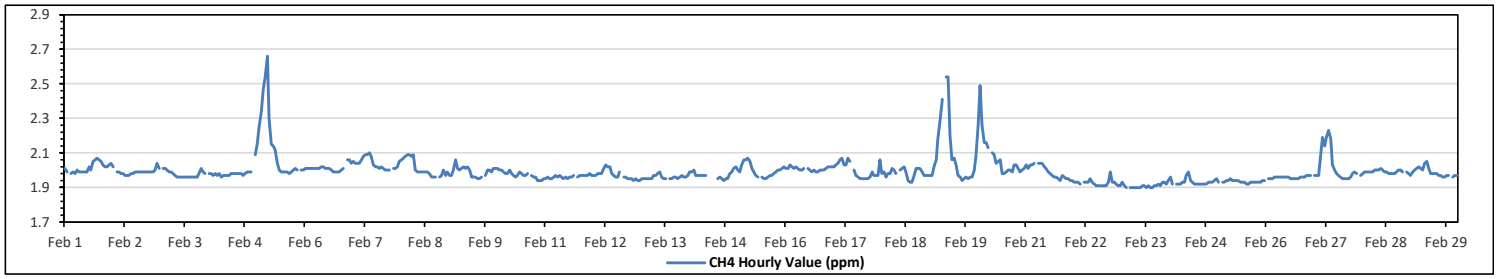
METHANE (CH4) in ppm

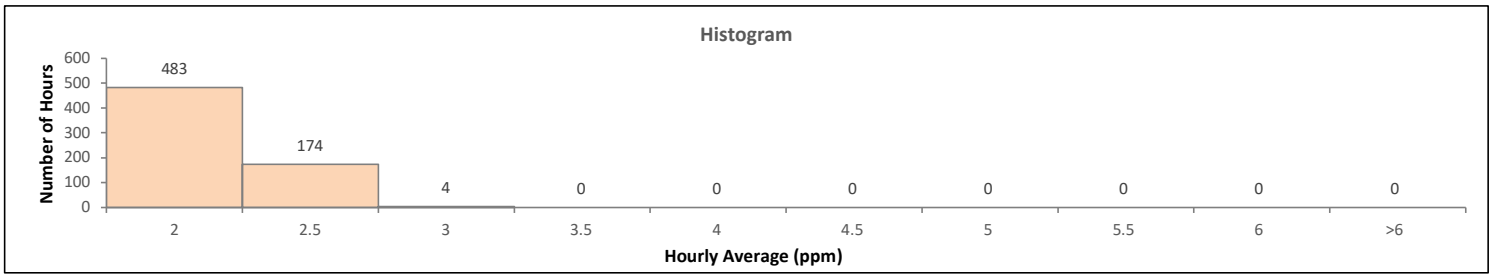
Maximum Hourly Value:	2.66	ppm	on Feb 5 at hr 5	Hours in Service:	696	
Maximum Daily Value:	2.13	ppm	on Feb 5	Hours of Data:	661	
Minimum Hourly Value:	1.90	ppm	on Feb 23 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	1.91	ppm	on Feb 23	Hours of Calibration:	35	
Monthly Average:	1.99	ppm		Operational 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			
Feb 1	2.01	1.99	S	1.98	1.99	1.98	2.00	1.99	1.99	1.99	1.99	1.99	2.02	2.00	2.05	2.06	2.07	2.06	2.05	2.03	2.02	2.02	2.03	2.04	1.98	2.07	2.02
Feb 2	2.02	S	1.99	1.99	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.04	2.01	1.97	2.04	1.99
Feb 3	S	2.01	2.01	2.00	1.99	1.99	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.98	2.01	1.99	1.98	S	1.96	2.01	1.98
Feb 4	1.98	1.98	1.97	1.98	1.97	1.98	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.99	1.99	1.99	S	2.09	1.96	2.09	1.98
Feb 5	2.15	2.25	2.34	2.47	2.54	**2.66**	2.30	2.15	2.14	2.12	2.04	2.00	1.99	1.99	1.99	1.99	1.98	1.99	2.00	2.01	2.00	S	2.00	2.00	1.98	**2.66**	**2.13**
Feb 6	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	2.00	1.99	1.99	1.99	1.99	2.00	2.01	S	2.06	2.06	2.04	1.99	2.06	2.01
Feb 7	2.05	2.04	2.04	2.04	2.06	2.08	2.09	2.09	2.10	2.08	2.03	2.02	2.02	2.01	2.02	2.01	2.00	2.00	2.00	S	2.01	2.01	2.02	2.05	2.00	2.10	2.04
Feb 8	2.06	2.07	2.08	2.09	2.09	2.08	2.09	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.98	1.96	1.96	1.96	S	1.96	1.97	2.00	1.97	1.99	1.96	2.09	2.01
Feb 9	1.97	1.97	2.00	2.06	2.01	2.00	2.01	2.02	2.01	2.02	2.00	1.96	1.96	1.96	1.95	1.95	1.96	S	1.97	2.00	2.00	1.99	2.01	2.01	1.95	2.06	1.99
Feb 10	2.01	2.00	2.00	1.99	1.98	1.98	2.00	1.98	1.97	1.96	1.97	1.99	1.98	1.97	1.97	1.98	S	1.97	1.96	1.96	1.94	1.94	1.94	1.95	1.94	2.01	1.97
Feb 11	1.95	1.96	1.95	1.95	1.96	1.97	1.96	1.97	1.96	1.95	1.96	1.95	1.96	1.96	1.97	S	1.96	1.97	1.97	1.97	1.97	1.97	1.98	1.97	1.95	1.98	1.96
Feb 12	1.97	1.97	1.98	1.98	1.98	2.01	2.03	2.02	2.02	1.98	1.97	1.96	1.96	1.99	S	1.96	1.96	1.95	1.95	1.95	1.94	1.95	1.94	1.94	1.94	2.03	1.97
Feb 13	1.95	1.95	1.95	1.95	1.95	1.95	1.97	1.97	1.98	1.99	1.96	1.95	1.95	S	1.95	1.95	1.96	1.96	1.95	1.96	1.97	1.96	1.96	1.97	1.95	1.99	1.96
Feb 14	1.99	1.99	2.00	1.97	1.97	1.97	1.97	1.97	1.97	C	C	C	C	C	1.95	1.96	1.95	1.94	1.95	1.95	1.98	1.99	2.01	2.02	1.94	2.02	1.97
Feb 15	2.00	1.99	2.03	2.06	2.06	2.07	2.05	2.01	1.99	1.97	1.96	S	1.96	1.95	1.95	1.96	1.97	1.97	1.98	1.99	2.00	2.00	2.01	2.02	1.95	2.07	2.00
Feb 16	2.01	2.01	2.03	2.02	2.01	2.02	2.01	2.00	2.00	2.01	S	2.01	2.00	1.99	2.00	1.99	1.99	2.00	2.00	2.00	2.01	2.02	2.02	2.02	1.99	2.03	2.01
Feb 17	2.02	2.03	2.04	2.06	2.07	2.03	2.03	2.07	2.05	S	2.00	1.97	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.99	1.97	1.97	1.97	2.06	1.95	2.07	2.00
Feb 18	1.98	1.99	1.96	1.98	1.98	2.01	2.00	1.98	S	2.00	2.01	2.02	1.99	1.94	1.93	1.93	1.97	2.01	2.01	2.01	1.99	1.97	1.97	1.97	1.93	2.02	1.98
Feb 19	1.97	1.97	2.02	2.06	2.18	2.29	2.41	S	2.54	2.54	2.20	2.06	2.07	2.03	1.97	1.96	1.94	1.95	1.96	1.95	1.96	1.96	2.00	2.08	1.94	2.54	2.09
Feb 20	2.26	2.49	2.26	2.16	2.16	2.13	S	2.10	2.09	2.04	2.05	2.06	1.98	1.98	1.99	2.00	2.00	1.99	2.03	2.03	2.01	1.99	2.00	2.01	1.98	2.49	2.08
Feb 21	2.03	2.01	2.03	2.03	2.04	S	2.04	2.04	2.04	2.02	2.01	1.99	1.98	1.97	1.96	1.96	1.95	1.94	1.97	1.96	1.95	1.95	1.94	1.94	1.94	2.04	1.99
Feb 22	1.93	1.93	1.93	1.92	S	1.93	1.93	1.93	1.95	1.93	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.93	1.99	1.93	1.93	1.92	1.91	1.91	1.91	1.99	1.93
Feb 23	1.93	1.91	1.90	S	1.90	1.90	1.90	1.90	1.90	1.90	1.91	1.91	1.90	1.91	1.90	1.90	1.91	1.91	1.92	1.91	1.93	1.93	1.92	1.94	1.90	1.94	1.91
Feb 24	1.96	1.92	S	1.92	1.92	1.92	1.93	1.93	1.97	1.99	1.94	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.93	1.93	1.93	1.94	1.95	1.92	1.99	1.93
Feb 25	1.93	S	1.93	1.93	1.94	1.94	1.95	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.92	1.92	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.92	1.95	1.93
Feb 26	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.97	S	1.95	1.97	1.96
Feb 27	1.97	1.97	1.97	2.08	2.19	2.14	2.19	2.23	2.18	2.03	2.00	1.98	1.97	1.96	1.95	1.95	1.95	1.95	1.96	1.98	1.99	1.98	S	1.97	1.95	2.23	2.02
Feb 28	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.99	2.00	2.00	1.99	S	1.99	1.98	1.98	2.01	1.99
Feb 29	1.97	1.99	2.00	2.01	2.02	2.01	2.00	2.04	2.05	2.01	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.97	1.97	S	1.96	1.97	1.97	1.96	2.05	1.99
Diurnal Maximum	2.26	2.49	2.34	2.47	2.54	2.66	2.41	2.23	2.54	2.54	2.20	2.06	2.07	2.03	2.05	2.06	2.07	2.06	2.05	2.03	2.02	2.06	2.06	2.09			
Diurnal Average	2.00	2.01	2.01	2.02	2.03	2.04	2.03	2.01	2.03	2.01	1.99	1.98	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.98	1.98	1.98	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.



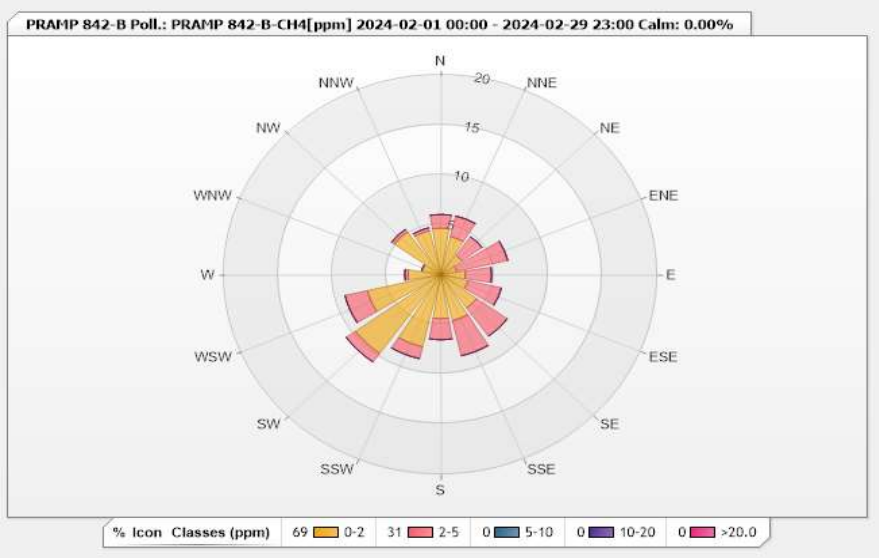


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.69	1.36	0	0	0	6.05
NNE	3.93	2.12	0	0	0	6.05
NE	2.42	2.27	0	0	0	4.69
ENE	1.51	4.84	0	0	0	6.35
E	2.27	2.42	0	0	0	4.69
ESE	2.57	3.18	0	0	0	5.75
SE	4.08	3.48	0	0	0	7.56
SSE	4.69	3.63	0	0	0	8.32
S	4.39	2.12	0	0	0	6.51
SSW	7.41	1.21	0	0	0	8.62
SW	9.68	1.06	0	0	0	10.74
WSW	6.96	2.12	0	0	0	9.08
W	3.03	0.3	0	0	0	3.33
WNW	1.82	0	0	0	0	1.82
NW	5.3	0.3	0	0	0	5.6
NNW	4.54	0.3	0	0	0	4.84
Summary	69.29	30.71	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

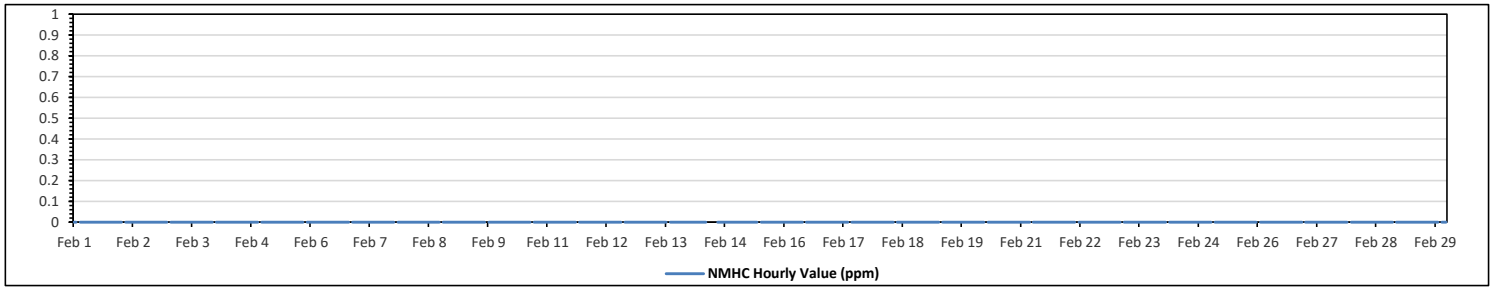
NON-METHANE HYDROCARBONS (NMHC) in ppm

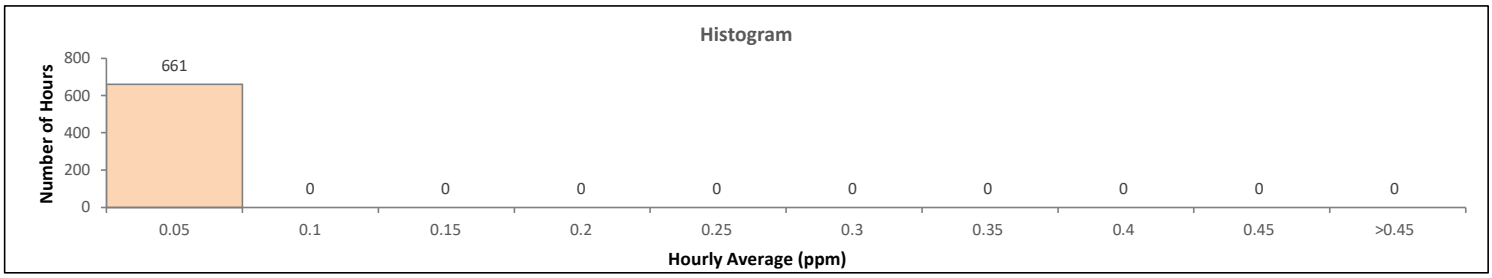
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	696
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	661
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	35
Monthly Average:	0.00	ppm		Operational 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			
Feb 1	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
Feb 2	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
Feb 3	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
Feb 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Feb 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	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
Feb 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	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
Feb 14	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	0.00	0.00	0.00	0.00	0.00	0.00
Feb 15	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
Feb 16	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
Feb 17	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
Feb 18	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
Feb 19	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
Feb 20	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
Feb 21	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
Feb 22	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
Feb 23	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
Feb 24	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
Feb 25	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
Feb 26	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
Feb 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Feb 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Feb 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	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.



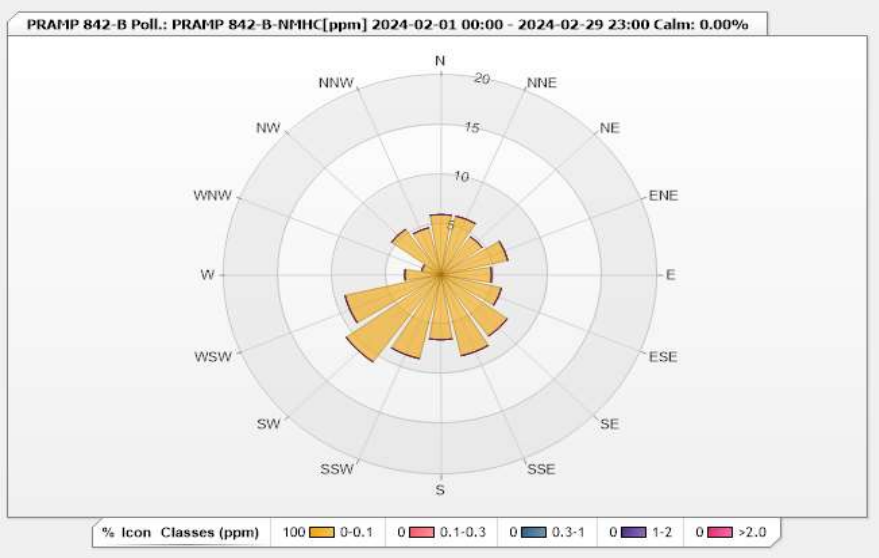


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	6.05	0	0	0	0	6.05
NNE	6.05	0	0	0	0	6.05
NE	4.69	0	0	0	0	4.69
ENE	6.35	0	0	0	0	6.35
E	4.69	0	0	0	0	4.69
ESE	5.75	0	0	0	0	5.75
SE	7.56	0	0	0	0	7.56
SSE	8.32	0	0	0	0	8.32
S	6.51	0	0	0	0	6.51
SSW	8.62	0	0	0	0	8.62
SW	10.74	0	0	0	0	10.74
WSW	9.08	0	0	0	0	9.08
W	3.33	0	0	0	0	3.33
WNW	1.82	0	0	0	0	1.82
NW	5.6	0	0	0	0	5.6
NNW	4.84	0	0	0	0	4.84
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

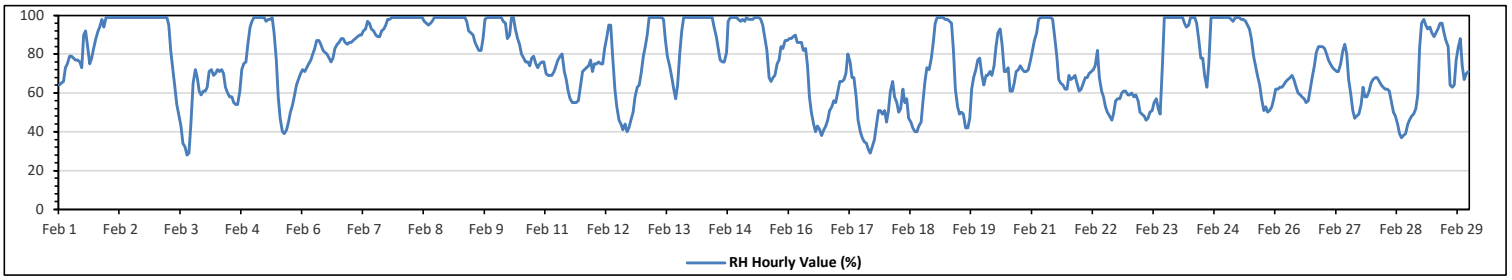
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on Feb 1 at hr 23	Hours in Service:	696	
Maximum Daily Value:	99.0	%	on Feb 2	Hours of Data:	696	
Minimum Hourly Value:	28	%	on Feb 3 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	51.9	%	on Feb 17	Hours of Calibration:	0	
Monthly Average:	76.5	%		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
Feb 1	64	65	66	73	75	79	79	78	77	77	76	73	90	92	83	75	78	83	88	92	94	98	94	**99**	64	**99**	81.2
Feb 2	**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**
Feb 3	**99**	**99**	**99**	**99**	**99**	**99**	95	82	73	63	54	48	43	34	32	**28**	29	44	65	72	68	61	59	61	**28**	**99**	66.9
Feb 4	61	63	71	72	69	70	72	71	72	70	63	60	58	58	55	54	54	61	72	75	76	85	94	97	54	97	68.9
Feb 5	**99**	**99**	**99**	**99**	**99**	**99**	97	98	98	**99**	91	77	58	47	40	39	41	45	50	54	59	64	67	70	39	**99**	74.5
Feb 6	72	71	73	75	77	80	83	87	87	85	82	81	80	78	76	78	83	85	86	88	88	86	85	86	71	88	81.3
Feb 7	86	87	88	89	90	90	92	93	97	96	93	92	90	89	89	92	93	95	98	98	**99**	**99**	**99**	**99**	86	**99**	93.0
Feb 8	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	97	96	95	96	97	**99**	**99**	**99**	**99**	**99**	**99**	**99**	95	**99**	98.4
Feb 9	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	97	92	91	90	86	84	82	82	88	98	**99**	**99**	**99**	**99**	**99**	82	**99**	94.8
Feb 10	**99**	**99**	**99**	97	96	88	90	**99**	**99**	93	88	85	80	78	76	76	74	78	79	75	73	75	76	76	73	**99**	85.3
Feb 11	70	69	69	69	71	74	77	79	80	71	67	61	57	55	55	55	56	63	71	72	73	74	77	71	55	80	68.2
Feb 12	75	75	76	75	75	83	89	95	95	79	62	53	46	44	41	44	40	42	46	50	58	63	64	70	40	95	64.2
Feb 13	79	84	90	**99**	**99**	**99**	**99**	**99**	**99**	**99**	98	87	79	74	68	62	57	64	81	92	**99**	**99**	**99**	**99**	57	**99**	87.7
Feb 14	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	94	89	83	77	76	76	81	97	**99**	**99**	**99**	**99**	98	76	**99**	94.0
Feb 15	97	98	97	**99**	98	98	98	**99**	**99**	**99**	98	95	89	82	68	66	68	69	75	77	84	83	87	87	66	**99**	87.9
Feb 16	88	88	89	90	86	86	86	82	83	74	58	50	44	40	43	41	38	41	43	46	51	53	56	55	38	90	63.0
Feb 17	61	66	66	67	70	80	76	68	68	58	46	40	37	35	34	31	29	32	36	43	51	51	49	51	29	80	**51.9**
Feb 18	45	51	61	66	58	55	50	52	62	55	57	47	45	42	40	40	43	45	56	66	73	72	78	86	40	86	56.0
Feb 19	96	**99**	**99**	**99**	**99**	98	98	97	96	82	62	53	49	50	49	42	42	47	62	68	72	77	78	69	42	**99**	74.3
Feb 20	64	69	69	71	69	74	84	91	93	85	71	71	73	61	61	65	71	72	74	72	71	71	72	77	61	93	73.0
Feb 21	82	87	91	98	**99**	**99**	**99**	**99**	**99**	**99**	98	88	79	67	65	64	62	62	69	67	68	69	65	61	61	**99**	80.7
Feb 22	62	65	68	68	70	71	72	74	82	68	61	58	53	50	48	46	49	56	57	57	60	61	61	59	46	82	61.5
Feb 23	59	60	58	59	56	50	49	48	46	47	50	51	55	57	52	49	74	**99**	**99**	**99**	**99**	**99**	**99**	**99**	46	**99**	67.2
Feb 24	**99**	**99**	**99**	96	94	95	**99**	**99**	**99**	96	87	78	78	69	63	75	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	63	**99**	92.4
Feb 25	**99**	**99**	98	97	**99**	**99**	**99**	98	98	97	95	93	88	79	74	69	64	57	51	53	50	51	53	57	50	**99**	79.9
Feb 26	62	62	63	63	64	66	67	68	69	67	63	60	59	58	57	55	56	62	68	74	81	84	84	84	55	84	66.5
Feb 27	83	80	77	75	73	72	71	71	75	82	85	80	67	59	51	47	48	49	54	63	58	58	61	65	47	85	66.8
Feb 28	67	68	68	66	64	63	62	62	61	56	50	48	44	39	37	38	39	44	46	48	49	52	59	84	37	84	54.8
Feb 29	96	98	95	93	94	91	89	91	93	96	96	91	87	84	64	63	64	77	84	88	74	67	70	71	63	98	84.0
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	81.4	82.6	83.6	84.5	84.1	84.6	85.1	85.4	86.1	82.3	77.2	72.5	69.1	65.0	61.2	60.2	62.2	66.8	72.5	75.3	76.7	77.5	78.7	80.2			

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 - February 2024

Summary of Hourly Averages

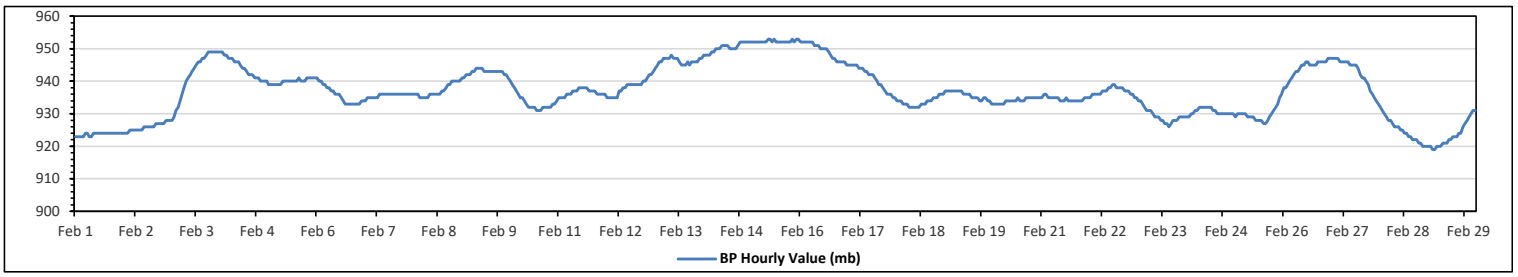
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	953	mb	on Feb 15 at hr 8	Hours in Service:	696	
Maximum Daily Value:	952	mb	on Feb 15	Hours of Data:	696	
Minimum Hourly Value:	919	mb	on Feb 29 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	924	mb	on Feb 29	Hours of Calibration:	0	
Monthly Average:	937	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
Feb 1	923	923	923	923	923	924	924	923	923	924	924	924	924	924	924	924	924	924	924	924	924	924	924	924	923	924	924
Feb 2	924	924	924	925	925	925	925	925	925	925	926	926	926	926	926	926	927	927	927	927	927	928	928	928	924	928	926
Feb 3	928	929	931	932	934	936	938	940	941	942	943	944	945	946	946	947	947	948	949	949	949	949	949	949	928	949	942
Feb 4	949	949	948	948	947	947	947	946	946	946	945	944	944	943	942	942	942	941	941	941	940	940	940	940	940	949	944
Feb 5	939	939	939	939	939	939	939	940	940	940	940	940	940	940	940	941	940	940	940	941	941	941	941	941	939	941	940
Feb 6	941	940	940	939	939	938	938	937	937	936	936	936	935	934	933	933	933	933	933	933	933	933	934	934	933	941	936
Feb 7	934	935	935	935	935	935	935	936	936	936	936	936	936	936	936	936	936	936	936	936	936	936	936	936	934	936	936
Feb 8	936	936	936	935	935	935	935	935	936	936	936	936	936	936	937	937	938	939	939	940	940	940	940	940	935	940	937
Feb 9	941	941	942	942	942	943	943	944	944	944	944	943	943	943	943	943	943	943	943	943	943	942	942	941	941	944	943
Feb 10	940	939	938	937	936	935	935	934	933	932	932	932	932	931	931	931	932	932	932	932	932	933	933	934	931	940	934
Feb 11	935	935	935	935	936	936	936	937	937	937	938	938	938	938	938	937	937	937	937	936	936	936	936	936	935	938	937
Feb 12	935	935	935	935	935	935	937	937	938	938	939	939	939	939	939	939	939	939	940	940	941	942	942	943	935	943	938
Feb 13	944	945	946	946	947	947	947	947	948	947	947	947	946	945	945	945	946	945	946	946	946	946	947	947	944	948	946
Feb 14	948	948	948	948	949	949	950	950	950	951	951	951	951	950	950	950	950	951	952	952	952	952	952	952	948	952	950
Feb 15	952	952	952	952	952	952	952	952	**953**	**953**	952	**953**	952	952	952	952	952	952	952	952	**953**	952	**953**	**953**	952	**953**	**952**
Feb 16	952	952	952	952	952	952	952	951	951	951	950	950	950	950	949	948	947	947	946	946	946	946	946	945	945	952	949
Feb 17	945	945	945	945	945	944	944	944	943	943	942	942	942	941	940	939	939	938	937	936	936	936	935	935	935	945	941
Feb 18	934	934	934	933	933	933	932	932	932	932	932	932	933	933	933	934	934	934	935	935	935	936	936	936	932	936	934
Feb 19	937	937	937	937	937	937	937	937	937	936	936	936	936	935	935	935	935	934	934	935	935	934	934	933	933	937	936
Feb 20	933	933	933	933	933	933	934	934	934	934	934	934	935	934	934	934	935	935	935	935	935	935	935	934	933	935	934
Feb 21	935	936	936	935	935	935	935	935	935	934	934	934	935	934	934	934	934	934	934	934	934	935	935	935	934	936	935
Feb 22	935	936	936	936	936	936	937	937	937	938	938	939	939	938	938	938	938	937	937	937	936	936	935	935	935	939	937
Feb 23	934	934	933	932	931	931	931	930	929	929	929	928	928	927	927	926	927	928	928	928	929	929	929	929	926	934	929
Feb 24	929	929	930	930	931	931	932	932	932	932	932	932	932	931	931	930	930	930	930	930	930	930	930	930	929	932	931
Feb 25	929	930	930	930	930	930	929	929	929	929	928	928	928	928	927	927	928	929	930	931	932	933	935	936	927	936	930
Feb 26	938	938	939	940	941	942	943	943	944	945	945	946	946	945	945	945	945	946	946	946	946	946	947	947	938	947	944
Feb 27	947	947	947	947	946	946	946	946	946	945	945	945	945	944	942	941	941	940	939	937	936	935	934	933	933	947	943
Feb 28	932	931	930	929	928	928	927	926	926	926	925	925	924	924	923	923	922	922	922	921	921	920	920	920	920	932	925
Feb 29	920	920	**919**	**919**	920	920	920	921	921	921	922	922	923	923	923	924	924	926	927	928	929	930	931	931	**919**	931	**924**
Diurnal Maximum	952	952	952	952	952	952	952	952	953	953	952	953	952	952	952	952	952	952	952	952	953	952	953	953			
Diurnal Average	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	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 - February 2024

Summary of Hourly Averages

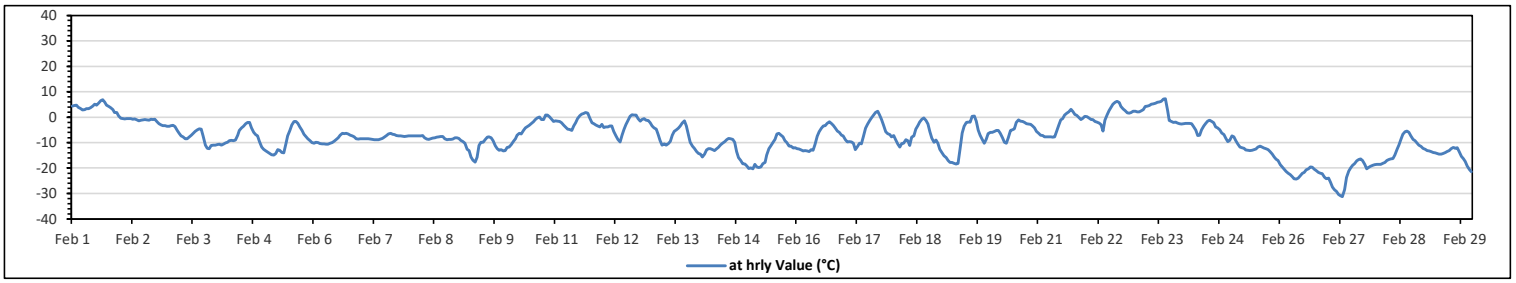
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	7.3	°C	on Feb 23 at hr 15	Hours in Service:	696	
Maximum Daily Value:	4.0	°C	on Feb 1	Hours of Data:	696	
Minimum Hourly Value:	-31.2	°C	on Feb 27 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-22.5	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	-7.7	°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
Feb 1	4.4	4.6	4.7	3.9	3.5	2.8	2.9	3.3	3.4	3.7	4.3	5.1	4.7	5.5	6.5	6.9	6	4.8	4.2	3.7	3	1.8	1.8	0.4	0.4	6.9	**4.0**
Feb 2	-0.4	-0.5	-0.7	-0.5	-0.5	-0.6	-0.8	-0.7	-1.1	-1.4	-1.2	-1.1	-1	-1.1	-1.2	-0.8	-0.9	-0.8	-1.8	-2.6	-3.1	-3.3	-3.3	-3.6	-3.6	-0.4	-1.4
Feb 3	-3.6	-3.3	-3.2	-3.7	-5.2	-6.3	-7.3	-7.8	-8.5	-8.5	-7.8	-7	-6.3	-5.5	-4.9	-4.5	-4.7	-7.5	-10.9	-12.2	-12.4	-11.1	-11	-10.9	-12.4	-3.2	-7.3
Feb 4	-10.7	-10.6	-10.9	-10.6	-10.1	-9.8	-9.3	-9.1	-9.3	-9	-7.1	-5.3	-4.1	-3.6	-2.6	-2.1	-2.1	-4.1	-6	-6.8	-7.4	-9.6	-11.8	-12.6	-12.6	-2.1	-7.7
Feb 5	-13.3	-13.7	-14.3	-14.7	-14.8	-14.2	-12.8	-13	-13.9	-14	-10.2	-7.3	-5.3	-3.1	-1.6	-1.6	-2.5	-3.8	-5.3	-6.7	-7.6	-8.5	-9.3	-10	-14.8	-1.6	-9.2
Feb 6	-10.2	-9.9	-10	-10.4	-10.5	-10.5	-10.6	-10.6	-10.3	-10	-9.4	-8.8	-8	-7	-6.3	-6.5	-6.4	-6.6	-7	-7.3	-7.7	-8.5	-8.6	-8.5	-10.6	-6.3	-8.7
Feb 7	-8.5	-8.4	-8.4	-8.4	-8.6	-8.7	-8.8	-8.8	-8.8	-8.6	-8.3	-7.9	-7.2	-6.6	-6.3	-6.7	-6.8	-7.2	-7.4	-7.4	-7.5	-7.6	-7.5	-7.4	-8.8	-6.3	-7.8
Feb 8	-7.3	-7.3	-7.3	-7.3	-7.4	-7.3	-7.2	-8.1	-8.6	-8.7	-8.4	-8.2	-8.1	-7.9	-7.7	-7.6	-7.6	-8.4	-8.9	-8.7	-8.7	-8.6	-8	-8	-8.9	-7.2	-8.0
Feb 9	-8.3	-9.1	-9.6	-10.2	-12.6	-13.2	-15.6	-16.9	-17.6	-15.8	-11.1	-9.9	-9.8	-8.8	-7.9	-7.8	-8	-9.2	-11.2	-12.3	-13	-12.7	-13.3	-13.1	-17.6	-7.8	-11.5
Feb 10	-11.9	-11.7	-10.7	-9.5	-8.5	-7	-6.3	-6.6	-5.3	-4.1	-3.7	-3.2	-2.4	-1.8	-0.9	-0.3	0.1	-1	-0.9	0.9	0.9	0.2	-0.8	-1.7	-11.9	0.9	-4.0
Feb 11	-1.4	-1.5	-1.7	-2.2	-3.2	-3.9	-4.7	-4.8	-5.3	-3.5	-2.2	-0.5	0.6	1.3	1.4	1.8	1.5	-0.3	-2.2	-2.6	-3.1	-3.4	-3.9	-2.8	-5.3	1.8	-1.9
Feb 12	-4	-3.8	-3.8	-3.4	-3.5	-5.5	-7.4	-8.7	-9.7	-7.1	-4.8	-2.9	-1.2	0.3	1	0.8	0.9	-0.6	-1.5	-1	-0.6	-1.2	-1.3	-2.2	-9.7	1.0	-3.0
Feb 13	-3.4	-4.1	-4.7	-6.8	-9.3	-10.9	-10.5	-10.9	-10.4	-9.4	-7.1	-5.5	-4.9	-4.3	-3.5	-2.3	-1.4	-3.4	-7.2	-9.8	-11.3	-12.2	-13.4	-14.2	-14.2	-1.4	-7.5
Feb 14	-14.6	-15.6	-14.5	-12.9	-12.3	-12.4	-12.8	-13.1	-12.4	-11.9	-10.8	-10.2	-9.5	-8.9	-8.3	-8.5	-8.7	-9.9	-13.5	-15.9	-17.1	-18.3	-18.4	-19.2	-19.2	-8.3	-12.9
Feb 15	-20.1	-19.9	-20.2	-18.5	-19.6	-19.8	-19.6	-18.3	-17.8	-14.9	-12.3	-11.2	-9.8	-8.7	-6.6	-6.3	-7	-7.7	-9.3	-10	-11.4	-11.4	-12.1	-12	-20.2	-6.3	-13.5
Feb 16	-12.3	-12.5	-12.9	-13.3	-13.1	-13.3	-13.5	-12.7	-13	-10.7	-7.5	-5.7	-4.3	-3.5	-3.3	-2.5	-1.8	-2.4	-3.2	-4.1	-5.4	-6	-7.1	-7.3	-13.5	-1.8	-8.0
Feb 17	-8.8	-9.7	-9.6	-9.7	-10.2	-12.8	-11.5	-10.2	-10.5	-7.7	-4.3	-2.8	-1.3	-0.1	0.9	1.8	2.4	0.9	-1	-3.1	-5.7	-6.5	-6.8	-7.8	-12.8	2.4	-5.6
Feb 18	-7.2	-8.8	-10.6	-11.7	-10.4	-10.3	-8.9	-9.2	-11.1	-7.9	-7.3	-4.7	-3.2	-1.9	-0.8	-0.3	-1.3	-2.7	-5.7	-8.2	-9.9	-9	-10.2	-12.6	-12.6	-0.3	-7.2
Feb 19	-14	-15.1	-15.9	-17	-17.8	-17.8	-18.1	-18.4	-18.1	-12.7	-6.2	-3.6	-2.1	-1.9	-1.9	0.3	0.4	-1.5	-5.1	-7.1	-8.9	-10.2	-8.7	-6.5	-18.4	0.4	-9.5
Feb 20	-5.9	-6	-5.5	-5.3	-5.2	-6.3	-8	-9.8	-10.3	-8	-5.2	-5	-4.6	-2.1	-1.1	-1.5	-1.7	-2.1	-2.6	-2.7	-2.8	-3.5	-4.2	-5.5	-10.3	-1.1	-4.8
Feb 21	-6.3	-7	-7.2	-7.7	-7.8	-7.7	-7.7	-7.9	-7.7	-5.5	-3.1	-1.1	-0.5	0.9	1.6	2.1	3.1	2.3	1.1	0.7	-0.1	-0.9	-0.4	0.3	-7.9	3.1	-2.8
Feb 22	0.2	-0.3	-0.9	-0.9	-1.6	-1.9	-2.3	-2.9	-5.4	-1.2	1	2.6	3.9	5.1	5.8	6.3	5.7	4.2	3.2	2.6	1.7	1.5	1.8	2.4	-5.4	6.3	1.3
Feb 23	2.4	2.1	2.1	2.5	2.9	4.2	4.3	4.6	5.1	5.3	5.4	5.9	6	6.2	7.1	**7.3**	2.7	-1.3	-1.6	-2	-1.9	-2.3	-2.6	-2.7	-2.7	**7.3**	2.6
Feb 24	-2.6	-2.5	-2.4	-2.4	-2.6	-3.7	-5.1	-7.2	-7	-4.9	-3.5	-2.5	-1.5	-1.2	-1.7	-2.2	-3.8	-4.2	-4.9	-6.2	-6.8	-8.3	-9.5	-9.1	-9.5	-1.2	-4.4
Feb 25	-7.4	-7.8	-9.3	-10.5	-11.7	-12	-12.2	-12.9	-13	-13.1	-13	-12.7	-12.5	-11.8	-11.3	-11.8	-12.1	-12.4	-12.7	-13.4	-14.5	-15.6	-16.5	-17.1	-17.1	-7.4	-12.4
Feb 26	-18.7	-19.6	-20.4	-21.3	-22	-22.6	-23.4	-24.2	-24.3	-24	-22.9	-22.1	-21.6	-20.6	-20.2	-19.6	-19.7	-20.4	-21	-21.7	-22	-22.2	-23.5	-24.1	-24.3	-18.7	-21.8
Feb 27	-24	-25.5	-27.4	-28.4	-29.3	-30.3	-30.8	**-31.2**	-28.5	-23.7	-21.2	-20	-18.8	-18.3	-17.2	-16.7	-16.4	-17.1	-18.6	-20.2	-19.7	-19.3	-18.9	-18.7	**-31.2**	-16.4	**-22.5**
Feb 28	-18.5	-18.5	-18.5	-18.1	-17.7	-17.1	-16.6	-16.3	-16.2	-14.8	-12.6	-10.8	-8.7	-6.7	-5.7	-5.4	-5.9	-7.4	-8.7	-9.3	-10.1	-11	-11.5	-12.2	-18.5	-5.4	-12.4
Feb 29	-12.6	-13.1	-13.3	-13.5	-13.8	-14	-14.2	-14.5	-14.5	-14.2	-13.8	-13.4	-13.1	-12.3	-11.9	-12.2	-12	-13.5	-15.4	-16.2	-17.4	-19.1	-20.5	-21.4	-21.4	-11.9	-14.6
Diurnal Maximum	4.4	4.6	4.7	3.9	3.5	4.2	4.3	4.6	5.1	5.3	5.4	5.9	6.0	6.2	7.1	7.3	6.0	4.8	4.2	3.7	3.0	1.8	1.8	2.4			
Diurnal Average	-8.6	-8.9	-9.2	-9.4	-9.8	-10.1	-10.3	-10.6	-10.7	-9.2	-7.4	-6.2	-5.3	-4.4	-3.7	-3.4	-3.7	-4.9	-6.4	-7.2	-7.9	-8.5	-8.9	-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.



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

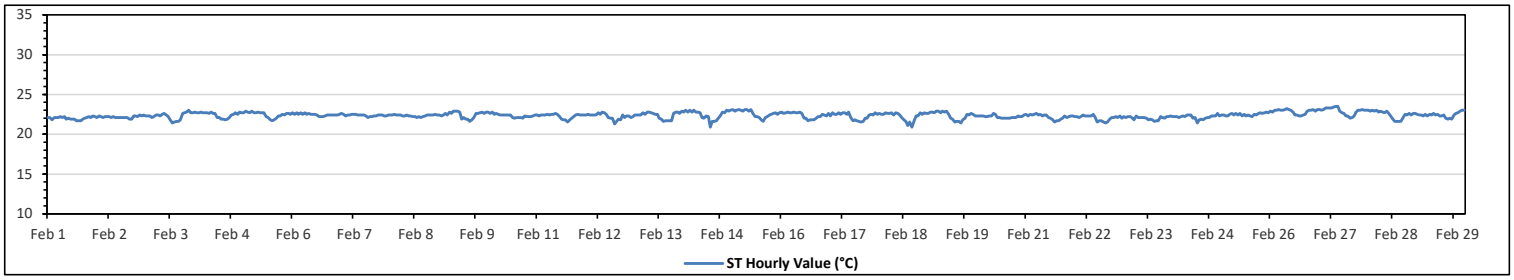
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.5	°C	on Feb 27 at hr 8	Hours in Service:	696
Maximum Daily Value:	22.9	°C	on Feb 27	Hours of Data:	696
Minimum Hourly Value:	20.9	°C	on Feb 14 at hr 13	Hours of Missing Data:	0
Minimum Daily Value:	22.0	°C	on Feb 1	Hours of Calibration:	0
Monthly Average:	22.4	°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
Feb 1	22.1	22.1	21.8	22.1	22.1	22.1	22.2	22.1	22.2	21.9	22.0	21.9	21.9	21.9	21.7	21.7	21.7	21.9	22.0	22.1	22.2	22.1	22.3	22.2	21.7	22.3	**22.0**
Feb 2	22.1	22.3	22.2	22.1	22.2	22.2	22.2	22.1	22.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1	21.9	21.9	22.3	22.3	22.2	22.4	22.3	22.4	21.9	22.4	22.2
Feb 3	22.3	22.3	22.3	22.1	22.2	22.4	22.4	22.3	22.5	22.6	22.4	22.2	21.8	21.4	21.5	21.6	21.6	21.8	22.6	22.7	22.8	23.0	22.7	22.7	21.4	23.0	22.3
Feb 4	22.8	22.7	22.7	22.8	22.7	22.7	22.7	22.6	22.8	22.6	22.6	22.1	22.1	21.9	21.9	21.8	21.9	22.1	22.4	22.5	22.7	22.5	22.8	22.7	21.8	22.8	22.5
Feb 5	22.7	22.9	22.8	22.7	22.9	22.7	22.7	22.8	22.7	22.7	22.7	22.2	22.1	21.8	21.7	21.8	22.0	22.3	22.3	22.5	22.4	22.6	22.6	22.5	21.7	22.9	22.5
Feb 6	22.7	22.5	22.7	22.5	22.7	22.5	22.7	22.5	22.6	22.5	22.5	22.5	22.4	22.2	22.2	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.2	22.7	22.5
Feb 7	22.6	22.5	22.3	22.4	22.4	22.5	22.5	22.5	22.4	22.4	22.4	22.4	22.3	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.4	22.1	22.6	22.4
Feb 8	22.4	22.4	22.5	22.4	22.4	22.4	22.3	22.3	22.4	22.3	22.3	22.2	22.2	22.1	22.2	22.1	22.2	22.3	22.4	22.4	22.4	22.4	22.5	22.4	22.1	22.5	22.3
Feb 9	22.4	22.3	22.4	22.6	22.4	22.8	22.6	22.9	22.9	22.9	22.8	21.9	22.1	21.9	21.9	21.6	21.8	22.1	22.6	22.6	22.7	22.8	22.6	22.8	21.6	22.9	22.4
Feb 10	22.8	22.6	22.8	22.5	22.6	22.5	22.4	22.4	22.4	22.4	22.4	22.4	22.1	22.0	22.1	22.1	22.1	22.0	22.3	22.2	22.2	22.2	22.3	22.4	22.0	22.8	22.3
Feb 11	22.4	22.3	22.4	22.4	22.4	22.5	22.4	22.5	22.5	22.6	22.5	22.2	21.9	21.8	21.8	21.5	21.8	22.0	22.2	22.4	22.5	22.4	22.4	22.4	21.5	22.6	22.3
Feb 12	22.4	22.5	22.4	22.4	22.4	22.4	22.7	22.5	22.8	22.7	22.5	22.1	22.0	22.0	21.3	21.6	21.9	21.8	22.4	22.1	22.3	22.3	22.1	22.2	21.3	22.8	22.2
Feb 13	22.4	22.4	22.4	22.4	22.7	22.5	22.8	22.8	22.7	22.6	22.5	22.5	22.0	21.9	21.6	21.7	21.7	21.7	21.7	22.6	22.8	22.8	22.6	22.9	21.6	22.9	22.4
Feb 14	22.8	23.0	22.8	23.0	22.8	23.0	22.8	22.8	22.7	22.1	22.0	22.3	22.2	**20.9**	21.6	21.6	21.7	22.0	22.3	22.8	22.7	23.0	22.9	23.0	**20.9**	23.0	22.5
Feb 15	23.1	22.9	23.0	23.1	23.0	22.9	23.1	23.1	22.9	23.1	22.6	22.2	22.2	22.1	21.8	21.6	22.1	22.2	22.4	22.5	22.6	22.7	22.5	22.7	21.6	23.1	22.6
Feb 16	22.8	22.6	22.7	22.8	22.7	22.7	22.8	22.7	22.7	22.8	22.6	22.0	22.0	21.7	21.8	21.8	21.8	22.0	22.2	22.2	22.5	22.4	22.3	22.6	21.7	22.8	22.4
Feb 17	22.3	22.7	22.5	22.5	22.7	22.5	22.7	22.7	22.5	22.8	22.1	21.7	21.8	21.7	21.6	21.5	21.6	22.0	22.0	22.4	22.5	22.4	22.7	22.5	21.5	22.8	22.3
Feb 18	22.6	22.5	22.5	22.7	22.6	22.6	22.7	22.4	22.7	22.6	22.4	22.1	21.8	21.6	21.1	21.5	**20.9**	21.7	22.3	22.3	22.7	22.5	22.7	22.6	**20.9**	22.7	22.3
Feb 19	22.6	22.8	22.8	22.7	22.9	22.9	22.7	22.9	22.8	22.9	22.5	22.0	21.9	21.5	21.6	21.6	21.4	21.8	22.0	22.5	22.4	22.6	22.5	22.3	21.4	22.9	22.4
Feb 20	22.3	22.3	22.3	22.3	22.2	22.2	22.3	22.3	22.6	22.5	22.1	22.1	22.0	22.0	22.0	22.0	22.0	22.1	22.1	22.1	22.3	22.2	22.2	22.4	22.0	22.6	22.2
Feb 21	22.5	22.3	22.5	22.4	22.5	22.6	22.4	22.5	22.3	22.4	22.4	22.1	22.0	21.8	21.5	21.7	21.7	21.9	22.0	22.3	22.1	22.2	22.3	22.3	21.5	22.6	22.2
Feb 22	22.2	22.2	22.1	22.2	22.4	22.3	22.3	22.3	22.3	22.5	22.1	21.5	21.7	21.7	21.5	21.4	21.5	21.9	22.1	22.1	22.2	22.1	22.3	22.0	21.4	22.5	22.0
Feb 23	22.2	22.1	22.2	22.2	22.1	21.8	22.3	22.1	22.1	22.1	22.1	22.0	21.8	21.9	21.8	21.6	21.7	21.7	22.2	22.1	22.0	22.2	22.2	22.3	21.6	22.3	22.0
Feb 24	22.2	22.2	22.2	22.1	22.2	22.3	22.2	22.4	22.4	22.4	22.0	22.1	21.4	21.8	21.9	21.8	22.0	22.1	22.1	22.3	22.3	22.3	22.6	22.3	21.4	22.6	22.2
Feb 25	22.4	22.4	22.3	22.3	22.5	22.6	22.4	22.6	22.4	22.6	22.3	22.5	22.3	22.4	22.3	22.2	22.5	22.4	22.6	22.7	22.6	22.7	22.8	22.7	22.2	22.8	22.5
Feb 26	22.9	22.8	23.0	23.0	23.1	23.0	23.0	23.1	23.2	23.1	23.0	22.8	22.4	22.4	22.3	22.3	22.4	22.5	22.9	23.0	23.0	23.1	22.9	23.1	22.3	23.2	22.8
Feb 27	23.1	23.0	23.1	23.3	23.3	23.3	23.3	23.4	**23.5**	**23.5**	22.9	22.7	22.6	22.3	22.3	22.0	22.1	22.3	22.8	23.0	23.0	23.1	23.0	23.0	22.0	**23.5**	**22.9**
Feb 28	23.0	22.9	23.0	22.9	23.0	22.8	22.9	22.8	22.7	22.9	22.6	22.3	21.9	21.6	21.6	21.6	21.6	22.1	22.5	22.4	22.6	22.4	22.6	22.6	21.6	23.0	22.5
Feb 29	22.5	22.4	22.4	22.3	22.5	22.3	22.5	22.4	22.6	22.4	22.5	22.3	22.3	22.4	22.0	21.9	22.0	21.9	22.4	22.6	22.7	22.9	23.0	23.0	21.9	23.0	22.4
Diurnal Maximum	23.1	23.0	23.1	23.3	23.3	23.3	23.3	23.4	23.5	23.5	23.0	22.8	22.6	22.4	22.3	22.3	22.5	22.5	22.9	23.0	23.0	23.1	23.0	23.1			
Diurnal Average	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.4	22.2	22.0	21.9	21.8	21.8	21.9	22.0	22.3	22.4	22.5	22.5	22.5	22.5			

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.



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

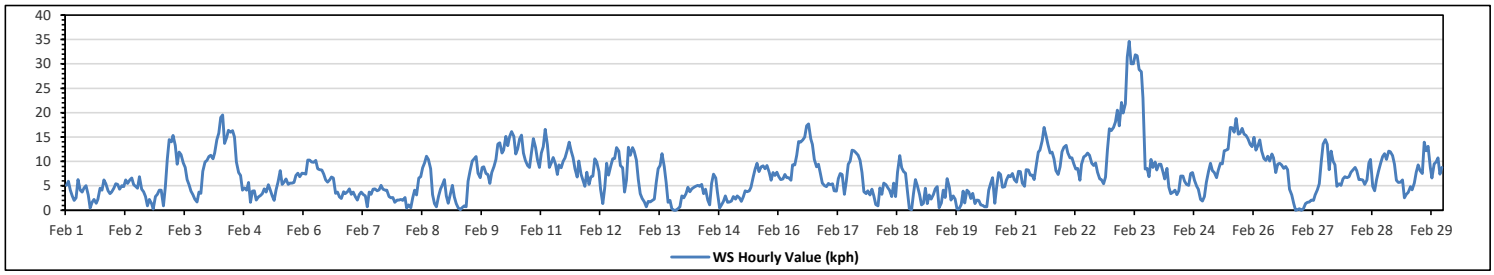
VECTOR WIND SPEED (VWS) in km/hr

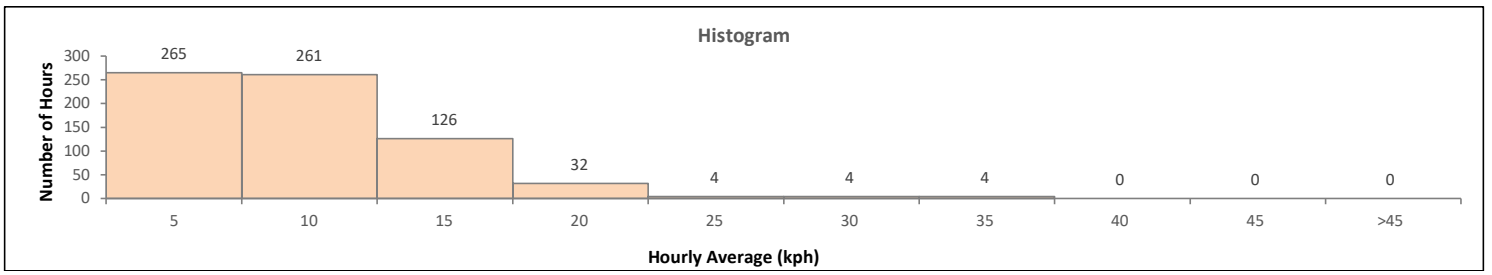
Maximum Hourly Value:	34.6	kph	on Feb 23 at hr 9	Hours in Service:	696	
Maximum Daily Value:	20.2	kph	on Feb 23	Hours of Data:	696	
Minimum Hourly Value:	0.0	kph	on Feb 13 at hr 19	Hours of Missing Data:	0	
Minimum Daily Value:	2.7	kph	on Feb 19	Hours of Calibration:	0	
Monthly Average:	1.9	kph		Operational 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			
Feb 1	5.1	5.9	4.1	2.9	2.0	2.5	6.3	4.1	3.7	4.6	5.0	3.1	0.4	1.6	2.2	1.4	2.2	4.5	4.1	6.2	5.4	4.0	3.4	3.7	0.4	6.3	3.7
Feb 2	4.5	5.4	5.3	4.3	5.0	4.8	6.2	5.5	6.2	6.6	5.2	4.9	4.5	6.9	4.3	3.8	2.8	0.9	2.2	1.3	0.2	2.8	3.3	4.1	0.2	6.9	4.2
Feb 3	4.1	0.9	4.8	10.4	14.5	14.0	15.3	13.3	9.4	11.9	11.4	9.7	8.8	6.3	5.2	3.9	3.2	2.3	1.7	3.7	3.5	8.0	9.9	10.2	0.9	15.3	7.8
Feb 4	11.0	11.3	10.5	11.7	14.5	15.8	19.0	19.5	13.7	15.0	16.4	16.0	16.3	15.0	9.9	7.7	7.1	4.1	4.6	4.1	5.7	1.6	3.9	4.0	1.6	19.5	10.8
Feb 5	2.1	2.7	3.0	3.4	4.4	3.7	5.2	4.3	2.9	2.0	4.2	5.8	8.1	5.3	5.8	6.4	5.3	5.6	5.6	5.7	7.1	7.6	6.9	7.6	2.0	8.1	5.0
Feb 6	7.5	7.4	10.3	10.3	9.9	9.8	10.2	8.5	8.3	8.2	7.4	6.2	5.8	6.3	6.8	6.6	3.5	3.7	2.7	2.4	3.8	3.4	3.8	4.4	2.4	10.3	6.6
Feb 7	3.3	3.7	2.7	2.1	3.2	3.7	3.2	2.9	0.7	3.7	3.3	4.3	4.4	4.0	4.2	5.1	4.3	4.1	4.1	2.8	2.5	2.6	1.6	2.1	0.7	5.1	3.3
Feb 8	2.1	2.2	2.0	2.6	0.4	1.1	0.5	2.5	4.1	3.1	6.6	6.9	8.7	9.7	11.1	10.4	8.5	3.2	1.3	0.7	2.9	4.4	5.2	6.3	0.4	11.1	4.4
Feb 9	2.9	1.4	3.1	5.1	2.7	1.3	0.5	0.1	0.5	0.9	0.7	5.9	8.0	10.1	10.5	11.0	7.6	6.7	8.8	8.9	7.5	7.3	5.5	7.7	0.1	11.0	5.2
Feb 10	9.0	10.4	13.6	13.8	11.7	12.3	15.1	13.2	15.1	16.1	15.1	11.5	12.6	14.6	15.4	11.7	10.2	9.2	8.8	11.8	14.7	12.8	10.3	8.8	8.8	16.1	12.4
Feb 11	11.7	13.0	16.6	13.4	8.8	9.7	10.8	9.5	7.3	9.3	8.7	10.0	10.7	12.1	13.9	12.2	10.8	8.5	6.8	10.1	7.4	6.1	4.9	7.8	4.9	16.6	10.0
Feb 12	5.3	6.9	7.0	10.5	9.9	7.9	4.3	1.3	4.6	9.6	7.2	9.1	10.5	10.6	12.8	12.1	9.2	8.7	3.7	6.2	12.9	11.3	12.8	12.1	1.3	12.9	8.6
Feb 13	10.3	6.3	3.4	2.4	1.7	0.7	1.8	1.7	2.0	2.3	5.7	8.5	9.2	11.6	9.0	5.7	1.6	2.0	0.2	**0.0**	**0.0**	0.3	0.7	2.9	**0.0**	11.6	3.8
Feb 14	2.5	3.4	4.7	3.8	4.4	4.7	4.9	5.1	4.9	5.3	3.4	4.3	2.1	1.1	5.5	7.4	6.6	3.8	0.4	1.1	1.8	2.9	1.6	1.7	0.4	7.4	3.6
Feb 15	1.9	2.8	2.3	2.9	2.5	1.8	2.7	4.0	3.8	4.0	4.7	6.8	8.4	9.6	7.9	8.9	9.1	8.5	9.2	7.8	6.1	7.7	7.1	7.8	1.8	9.6	5.8
Feb 16	6.9	6.3	6.4	7.3	6.7	6.7	6.1	9.3	9.3	11.3	14.1	13.9	14.4	15.0	17.3	17.7	14.6	13.5	10.4	8.9	9.4	7.5	5.6	5.0	5.0	17.7	10.2
Feb 17	4.8	5.5	5.2	5.4	4.0	3.9	6.5	7.5	7.3	3.3	5.9	9.4	10.1	12.3	12.2	11.8	11.3	10.2	7.7	3.8	3.4	4.0	3.1	4.3	3.1	12.3	6.8
Feb 18	2.9	1.2	0.9	4.6	3.3	5.6	5.2	4.6	4.1	2.8	5.6	2.8	7.8	11.2	8.7	7.9	7.6	3.3	0.3	0.1	3.5	6.3	5.0	3.2	0.1	11.2	4.5
Feb 19	1.1	1.4	4.5	1.3	3.1	2.3	3.2	4.4	4.8	0.5	1.5	4.1	2.6	6.5	4.7	2.1	2.9	2.3	0.2	0.2	1.2	3.9	1.5	4.1	0.2	6.5	**2.7**
Feb 20	3.7	2.4	3.5	1.3	2.1	2.0	1.1	1.0	0.7	0.7	4.1	5.5	6.7	1.4	4.9	7.7	7.3	4.7	4.8	6.1	7.1	6.9	7.5	6.3	0.7	7.7	4.1
Feb 21	5.8	8.0	7.9	5.6	4.9	8.3	8.2	7.2	7.2	6.3	9.4	11.9	12.3	14.2	17.0	15.3	13.5	11.7	11.9	10.5	8.1	7.3	8.9	12.0	4.9	17.0	9.7
Feb 22	12.9	13.3	11.8	10.7	10.7	9.5	8.4	8.6	6.1	9.4	10.9	11.2	11.7	11.3	9.6	9.2	9.7	7.8	6.4	6.3	5.4	6.8	12.4	16.7	5.4	16.7	9.9
Feb 23	16.3	17.0	18.1	20.5	17.3	22.1	19.9	21.8	31.4	**34.6**	30.0	30.0	31.9	31.7	28.8	28.4	23.0	8.4	8.6	6.9	10.4	8.8	9.9	8.2	6.9	**34.6**	**20.2**
Feb 24	9.4	9.4	8.0	6.4	8.6	4.7	3.4	3.6	4.1	3.2	4.0	7.0	7.0	5.9	5.3	5.1	7.5	7.7	6.1	4.9	4.3	2.2	1.9	2.8	1.9	9.4	5.5
Feb 25	5.7	8.0	9.6	8.1	7.7	6.7	8.1	9.6	9.5	12.2	12.3	12.5	17.0	16.9	16.0	18.8	15.6	15.7	16.8	15.6	15.3	14.7	13.5	13.0	5.7	18.8	12.5
Feb 26	14.9	12.3	13.4	14.4	12.1	10.6	10.2	11.1	10.1	11.5	10.7	7.7	9.4	9.6	9.3	8.6	9.0	8.3	4.3	3.1	1.4	**0.0**	0.1	0.3	**0.0**	14.9	8.4
Feb 27	**0.0**	0.2	1.3	1.6	1.7	2.1	2.0	3.1	4.2	5.4	9.8	13.6	14.5	13.5	8.3	12.1	10.1	9.3	4.9	5.4	5.1	6.4	6.9	6.7	**0.0**	14.5	6.2
Feb 28	6.9	7.8	8.2	8.8	8.1	6.3	6.3	6.2	5.3	6.2	9.7	10.4	4.9	4.0	6.3	8.0	9.7	11.0	11.6	10.4	12.1	12.0	11.2	9.4	4.0	12.1	8.4
Feb 29	6.1	5.7	5.8	6.2	2.5	3.3	3.6	4.8	4.2	5.6	7.8	9.3	8.1	7.5	13.9	12.2	13.1	8.8	6.6	9.5	9.9	10.7	7.4	8.8	2.5	13.9	7.6
Diurnal Maximum	16.3	17.0	18.1	20.5	17.3	22.1	19.9	21.8	31.4	34.6	30.0	30.0	31.9	31.7	28.8	28.4	23.0	15.7	16.8	15.6	15.3	14.7	13.5	16.7			
Diurnal Average	6.2	6.3	6.8	7.0	6.5	6.5	6.8	6.8	6.7	7.4	8.3	9.0	9.5	9.9	9.9	9.6	8.5	6.8	5.7	5.7	6.1	6.2	6.1	6.6			

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.



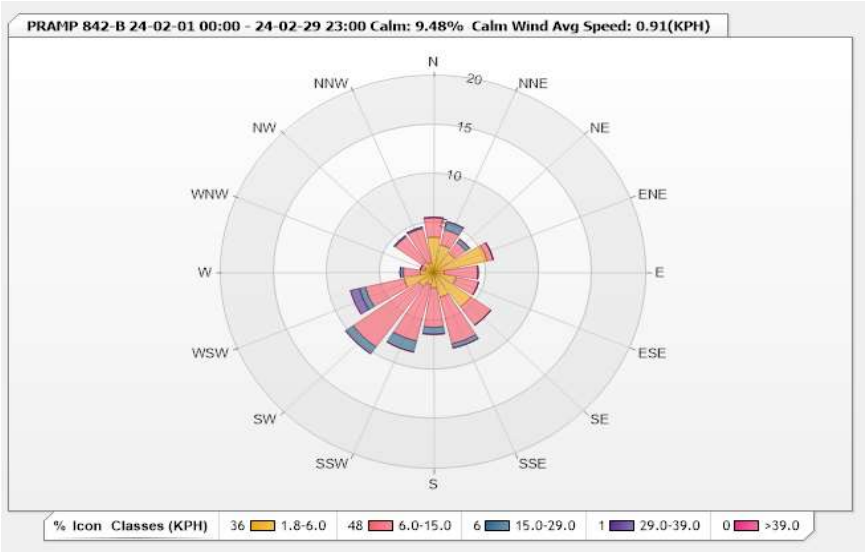


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 02-2024

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

Calm (WS<1.8kph): 9.48% 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	3.59	2.01	0	0	0	5.6
NNE	2.87	1.58	0.86	0	0	5.31
NE	2.44	1.29	0.43	0	0	4.16
ENE	5.17	0.57	0	0	0	5.74
E	1.01	3.16	0	0	0	4.17
ESE	2.16	2.16	0	0	0	4.32
SE	4.31	2.3	0	0	0	6.61
SSE	2.59	4.89	0.43	0	0	7.91
S	1.58	4.02	0.72	0	0	6.32
SSW	1.29	5.89	1.15	0	0	8.33
SW	1.72	7.61	0.86	0	0	10.19
WSW	2.87	3.74	0.57	0.86	0	8.04
W	1.29	1.58	0.29	0	0	3.16
WNW	0.86	0.43	0	0	0	1.29
NW	1.29	3.16	0.14	0	0	4.59
NNW	1.01	3.59	0.14	0	0	4.74
Summary	36.05	47.98	5.59	0.86	0	90.48



Peace River Area Monitoring Program

842-B Station - February 2024

Summary of Hourly Averages

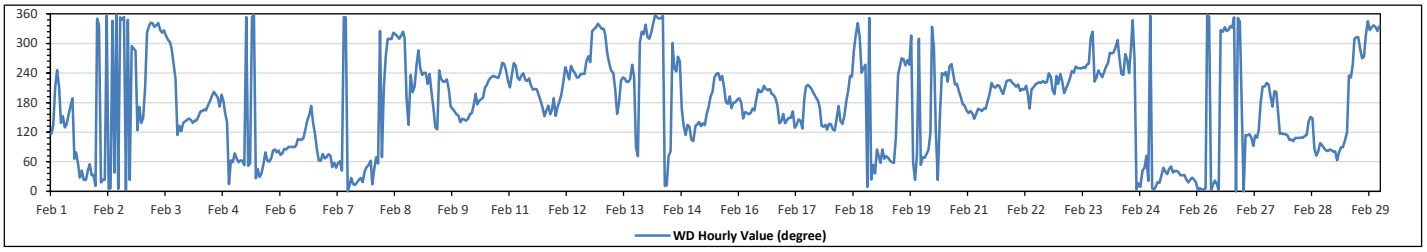
WIND DIRECTION (VWD) in sector

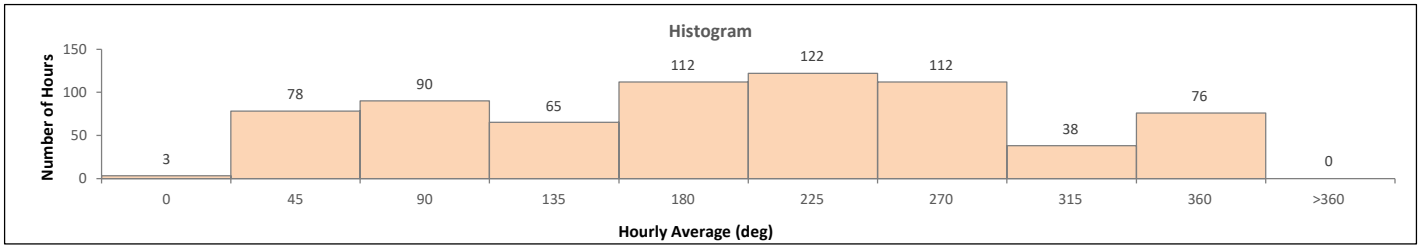
Monthly Average:	211 (SSW)	degree	
Hours in Service:	696		
Hours of Data:	696		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

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
Feb 1	ESE	SE	SSW	WSW	SSW	SE	SSE	SE	SE	SSE	S	S	ENE	ENE	ENE	NNE	NE	NNE	NNE	NE	NE	NNE	NNE	NNE	102	E
Feb 2	N	NNW	NNE	NNE	NNE	N	N	N	NNW	NE	N	N	N	NNW	N	N	NNW	NNE	WNW	WNW	WNW	ESE	S	SE	4	N
Feb 3	SSE	SSW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	WNW	WNW	WSW	SW	ESE	SE	ESE	SE	SE	SE	330	NNW
Feb 4	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	S	S	SSW	S	SSE	SE	NNE	ENE	ENE	165	SSE
Feb 5	ENE	ENE	ENE	ENE	ENE	NE	N	NE	NE	N	N	NNE	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	E	E	ENE	E	56	NE
Feb 6	ENE	ENE	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	SE	SE	SSE	S	SE	ESE	E	ENE	ENE	ENE	ENE	97	E
Feb 7	ENE	ENE	ENE	NE	ENE	NE	ENE	ENE	NE	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	33	NNE
Feb 8	NNE	NE	ENE	NE	NW	ENE	SSW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	SE	SW	SSW	SSW	WSW	307	NW
Feb 9	WNW	WSW	SW	WSW	WSW	SW	SW	SSW	SSE	SE	SE	WSW	SW	SW	SW	SW	SSW	S	SSE	SSE	SSE	SSE	SE	SE	198	SSW
Feb 10	SE	SE	SE	SSE	SSE	S	SSW	S	S	S	S	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	W	WSW	WSW	SW	204	SSW
Feb 11	SSW	SW	WSW	WSW	SW	SW	SW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSE	S	SSE	SSE	S	212	SSW
Feb 12	SSE	S	S	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	W	W	W	NW	NNW	NNW	NNW	NNW	256	WSW
Feb 13	NNW	NNW	NW	W	W	WSW	WSW	SSW	SSE	S	SW	SW	SW	SW	SW	SW	WSW	SW	E	ENE	WNW	NW	NW	NNW	249	WSW
Feb 14	NW	NW	NW	NNW	N	N	N	N	N	NNE	NNE	ENE	E	WNW	WSW	WSW	W	W	SSE	SE	ESE	SE	SE	ESE	332	NNW
Feb 15	E	SE	SE	SE	SE	SE	SE	SSE	S	S	SSW	SW	SW	WSW	SW	SW	SSW	S	S	S	SSE	S	S	S	194	SSW
Feb 16	S	S	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SE	SE	SSE	188	S
Feb 17	SE	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	S	SSW	SW	SSW	SSW	SSW	S	S	S	SE	SE	SE	SE	SE	173	S
Feb 18	SE	SE	ESE	SE	S	SE	SE	SSE	S	SSW	SW	SW	WNW	NW	NNW	NW	WSW	WSW	WSW	N	N	NNE	NE	NE	270	W
Feb 19	E	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ESE	SW	WSW	W	W	WSW	W	WSW	NW	ENE	NNE	ENE	NW	NE	32	NNE
Feb 20	ENE	ENE	ENE	E	ESE	NNW	WNW	ESE	NNE	SSE	WSW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	SSW	S	S	S	SSE	208	SSW
Feb 21	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	197	SSW
Feb 22	SW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSE	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SSW	SSW	SW	SW	215	SSW
Feb 23	SW	SW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NW	NW	SW	SW	WSW	SW	SW	WSW	245	WSW
Feb 24	WSW	WSW	W	W	W	WNW	NW	W	SW	SW	W	W	WSW	WNW	NNW	W	N	NNE	N	NE	NE	ENE	NNE	N	296	WNW
Feb 25	N	N	N	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	30	NNE
Feb 26	N	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NW	NW	NNW	NW	NW	NNW	NNW	N	N	N	NNW	S	355	N
Feb 27	N	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	S	SSW	SSW	SW	SW	S	S	SSW	SSW	SSE	ESE	ESE	ESE	ESE	ESE	176	S
Feb 28	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SE	E	ENE	E	E	E	E	E	E	E	E	E	100	E
Feb 29	E	ENE	ENE	E	E	ESE	ESE	SW	SW	WSW	NW	NW	NW	WNW	W	W	NW	NNW	NW	NNW	NNW	NNW	NW	NNW	320	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

842-B Station - February 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	34.6	kph	on Feb 23 at hr 9	Hours in Service:	696
Maximum Daily Value:	20.2	kph	on Feb 23	Hours of Data:	696
Minimum Hourly Value:	0.0	kph	on Feb 13 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	2.7	kph	on Feb 19	Hours of Calibration:	0
Monthly Average:	1.9	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 211 degree (SSW)

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			
Feb 1	5.1	5.9	4.1	2.9	2.0	2.5	6.3	4.1	3.7	4.6	5.0	3.1	0.4	1.6	2.2	1.4	2.2	4.5	4.1	6.2	5.4	4.0	3.4	3.7	0.4	6.3	3.7
	ESE	SE	SSW	WSW	SSW	SE	SSE	SE	SE	SSE	S	S	ENE	ENE	ENE	NNE	NE	NNE	NNE	NE	NE	NNE	NNE	NNE			102(E)
Feb 2	4.5	5.4	5.3	4.3	5.0	4.8	6.2	5.5	6.2	6.6	5.2	4.9	4.5	6.9	4.3	3.8	2.8	0.9	2.2	1.3	0.2	2.8	3.3	4.1	0.2	6.9	4.2
	N	NNW	NNE	NNE	NNE	N	N	N	NNW	NE	N	N	N	NNW	N	N	NNW	NNE	WNW	WNW	WNW	ESE	S	SE			4(N)
Feb 3	4.1	0.9	4.8	10.4	14.5	14.0	15.3	13.3	9.4	11.9	11.4	9.7	8.8	6.3	5.2	3.9	3.2	2.3	1.7	3.7	3.5	8.0	9.9	10.2	0.9	15.3	7.8
	SSE	SSW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	WNW	WNW	WSW	SW	ESE	SE	ESE	SE	SE	SE			330(NNW)
Feb 4	11.0	11.3	10.5	11.7	14.5	15.8	19.0	19.5	13.7	15.0	16.4	16.0	16.3	15.0	9.9	7.7	7.1	4.1	4.6	4.1	5.7	1.6	3.9	4.0	1.6	19.5	10.8
	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	S	S	SSW	S	SSE	SE	NNE	ENE	ENE			165(SSE)
Feb 5	2.1	2.7	3.0	3.4	4.4	3.7	5.2	4.3	2.9	2.0	4.2	5.8	8.1	5.3	5.8	6.4	5.3	5.6	5.6	5.7	7.1	7.6	6.9	7.6	2.0	8.1	5.0
	ENE	ENE	ENE	ENE	ENE	NE	N	NE	NE	N	N	NNE	NE	NNE	NE	NE	ENE	ENE	ENE	ENE	E	E	ENE	E			56(NE)
Feb 6	7.5	7.4	10.3	10.3	9.9	9.8	10.2	8.5	8.3	8.2	7.4	6.2	5.8	6.3	6.8	6.6	3.5	3.7	2.7	2.4	3.8	3.4	3.8	4.4	2.4	10.3	6.6
	ENE	ENE	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	SE	SE	SSE	S	SE	ESE	E	ENE	ENE	ENE	ENE			97(E)
Feb 7	3.3	3.7	2.7	2.1	3.2	3.7	3.2	2.9	0.7	3.7	3.3	4.3	4.4	4.0	4.2	5.1	4.3	4.1	4.1	2.8	2.5	2.6	1.6	2.1	0.7	5.1	3.3
	ENE	ENE	ENE	NE	ENE	NE	ENE	ENE	NE	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE			33(NNE)
Feb 8	2.1	2.2	2.0	2.6	0.4	1.1	0.5	2.5	4.1	3.1	6.6	6.9	8.7	9.7	11.1	10.4	8.5	3.2	1.3	0.7	2.9	4.4	5.2	6.3	0.4	11.1	4.4
	NNE	NE	ENE	NE	NW	ENE	SSW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	S	SE	SW	SSW	SSW	WSW			307(NW)
Feb 9	2.9	1.4	3.1	5.1	2.7	1.3	0.5	0.1	0.5	0.9	0.7	5.9	8.0	10.1	10.5	11.0	7.6	6.7	8.8	8.9	7.5	7.3	5.5	7.7	0.1	11.0	5.2
	WNW	WSW	SW	WSW	WSW	SW	SW	SSW	SSE	SE	SE	WSW	SW	SW	SW	SW	SSW	S	SSE	SSE	SSE	SSE	SE	SE			198(SSW)
Feb 10	9.0	10.4	13.6	13.8	11.7	12.3	15.1	13.2	15.1	16.1	15.1	11.5	12.6	14.6	15.4	11.7	10.2	9.2	8.8	11.8	14.7	12.8	10.3	8.8	8.8	16.1	12.4
	SE	SE	SE	SSE	SSE	S	SSW	S	S	S	S	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	W	WSW	WSW	SW			204(SSW)
Feb 11	11.7	13.0	16.6	13.4	8.8	9.7	10.8	9.5	7.3	9.3	8.7	10.0	10.7	12.1	13.9	12.2	10.8	8.5	6.8	10.1	7.4	6.1	4.9	7.8	4.9	16.6	10.0
	SSW	SW	WSW	WSW	SW	SW	SW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSE	S	SSE	SSE	S			212(SSW)
Feb 12	5.3	6.9	7.0	10.5	9.9	7.9	4.3	1.3	4.6	9.6	7.2	9.1	10.5	10.6	12.8	12.1	9.2	8.7	3.7	6.2	12.9	11.3	12.8	12.1	1.3	12.9	8.6
	SSE	S	S	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	W	W	W	NW	NNW	NNW	NNW	NNW			256(WSW)
Feb 13	10.3	6.3	3.4	2.4	1.7	0.7	1.8	1.7	2.0	2.3	5.7	8.5	9.2	11.6	9.0	5.7	1.6	2.0	0.2	**0.0**	**0.0**	0.3	0.7	2.9	**0.0**	11.6	3.8
	NNW	NNW	NW	W	W	WSW	WSW	SSW	SSE	S	SW	SW	SW	SW	SW	SW	WSW	SW	E	ENE	WNW	NW	NW	NNW			249(WSW)
Feb 14	2.5	3.4	4.7	3.8	4.4	4.7	4.9	5.1	4.9	5.3	3.4	4.3	2.1	1.1	5.5	7.4	6.6	3.8	0.4	1.1	1.8	2.9	1.6	1.7	0.4	7.4	3.6
	NW	NW	NW	NNW	N	N	N	N	N	NNE	NNE	ENE	E	WNW	WSW	WSW	W	W	SSE	SE	ESE	SE	SE	ESE			332(NNW)
Feb 15	1.9	2.8	2.3	2.9	2.5	1.8	2.7	4.0	3.8	4.0	4.7	6.8	8.4	9.6	7.9	8.9	9.1	8.5	9.2	7.8	6.1	7.7	7.1	7.8	1.8	9.6	5.8
	E	SE	SE	SE	SE	SE	SE	SSE	S	S	SSW	SW	SW	WSW	SW	SW	SSW	S	S	S	SSE	S	S	S			194(SSW)
Feb 16	6.9	6.3	6.4	7.3	6.7	6.7	6.1	9.3	9.3	11.3	14.1	13.9	14.4	15.0	17.3	17.7	14.6	13.5	10.4	8.9	9.4	7.5	5.6	5.0	5.0	17.7	10.2
	S	S	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SE	SE	SSE			188(S)
Feb 17	4.8	5.5	5.2	5.4	4.0	3.9	6.5	7.5	7.3	3.3	5.9	9.4	10.1	12.3	12.2	11.8	11.3	10.2	7.7	3.8	3.4	4.0	3.1	4.3	3.1	12.3	6.8
	SE	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	S	SSW	SW	SSW	SSW	SSW	S	S	S	SE	SE	SE	SE	SE			173(S)
Feb 18	2.9	1.2	0.9	4.6	3.3	5.6	5.2	4.6	4.1	2.8	5.6	2.8	7.8	11.2	8.7	7.9	7.6	3.3	0.3	0.1	3.5	6.3	5.0	3.2	0.1	11.2	4.5
	SE	SE	ESE	SE	S	SE	SE	SSE	S	SSW	SW	SW	WNW	NW	NNW	NW	WSW	WSW	WSW	N	N	NNE	NE	NE			270(W)
Feb 19	1.1	1.4	4.5	1.3	3.1	2.3	3.2	4.4	4.8	0.5	1.5	4.1	2.6	6.5	4.7	2.1	2.9	2.3	0.2	0.2	1.2	3.9	1.5	4.1	0.2	6.5	**2.7**
	E	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ESE	SW	WSW	W	W	WSW	W	WSW	NW	ENE	NNE	ENE	NW	NE			32(NNE)
Feb 20	3.7	2.4	3.5	1.3	2.1	2.0	1.1	1.0	0.7	0.7	4.1	5.5	6.7	1.4	4.9	7.7	7.3	4.7	4.8	6.1	7.1	6.9	7.5	6.3	0.7	7.7	4.1
	ENE	ENE	ENE	E	ESE	NNW	WNW	ESE	NNE	SSE	WSW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	SSW	S	S	S	SSE			208(SSW)
Feb 21	5.8	8.0	7.9	5.6	4.9	8.3	8.2	7.2	7.2	6.3	9.4	11.9	12.3	14.2	17.0	15.3	13.5	11.7	11.9	10.5	8.1	7.3	8.9	12.0	4.9	17.0	9.7
	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW			197(SSW)
Feb 22	12.9	13.3	11.8	10.7	10.7	9.5	8.4	8.6	6.1	9.4	10.9	11.2	11.7	11.3	9.6	9.2	9.7	7.8	6.4	6.3	5.4	6.8	12.4	16.7	5.4	16.7	9.9
	SW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSE	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SSW	SSW	SW	SW			215(SSW)
Feb 23	16.3	17.0	18.1	20.5	17.3	22.1	19.9	21.8	31.4	**34.6**	30.0	30.0	31.9	31.7	28.8	28.4	23.0	8.4	8.6	6.9	10.4	8.8	9.9	8.2	6.9	**34.6**	**20.2**
	SW	SW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NW	NW	SW	SW	WSW	SW	SW	WSW			245(WSW)
Feb 24	9.4	9.4	8.0	6.4	8.6	4.7	3.4	3.6	4.1	3.2	4.0	7.0	7.0	5.9	5.3	5.1	7.5	7.7	6.1	4.9	4.3	2.2	1.9	2.8	1.9	9.4	5.5
	WSW	WSW	W	W	W	WNW	NW	W	SW	SW	W	W	WSW	WNW	NNW	W	N	NNE	N	NE	NE	ENE	NNE	N			296(WNW)
Feb 25	5.7	8.0	9.6	8.1	7.7	6.7	8.1	9.6	9.5	12.2	12.3	12.5	17.0	16.9	16.0	18.8	15.6	15.7	16.8	15.6	15.3	14.7	13.5	13.0	5.7	18.8	12.5
	N	N	N	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			30(NNE)
Feb 26	14.9	12.3	13.4	14.4	12.1	10.6	10.2	11.1	10.1	11.5	10.7	7.7	9.4	9.6	9.3	8.6	9.0	8.3	4.3	3.1	1.4	**0.0**	0.1	0.3	**0.0**	14.9	8.4
	N	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NW	NW	NNW	NW	NW	NNW	NW	N	N	N	NNW	S			355(N)
Feb 27	**0.0**	0.2	1.3	1.6	1.7	2.1	2.0	3.1	4.2	5.4	9.8	13.6	14.5	13.5	8.3	12.1	10.1	9.3	4.9	5.4	5.1	6.4	6.9	6.7	**0.0**	14.5	6.2
	N	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	S	SSW	SSW	SW	SW	S	S	SSW	SSW	SSE	ESE	ESE	ESE	ESE	ESE			176(S)
Feb 28	6.9	7.8	8.2	8.8	8.1	6.3	6.3	6.2	5.3	6.2	9.7	10.4	4.9	4.0	6.3	8.0	9.7	11.0	11.6	10.4	12.1	12.0	11.2	9.4	4.0	12.1	8.4
	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SE	E	ENE	E	E	E	E	E	E	E	E	E			100(E)
Feb 29	6.1	5.7	5.8	6.2	2.5	3.3	3.6	4.8	4.2	5.6	7.8	9.3	8.1	7.5	13.9	12.2	13.1	8.8	6.6	9.5	9.9	10.7	7.4	8.8	2.5	13.9	7.6
	E	ENE	ENE	E	E	ESE	ESE	SW	SW	WSW	NW	NW	NW	WNW	W	W	NW	NNW	NW	NNW	NNW	NNW	NW	NNW			320(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.

RENO -B STATION

Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

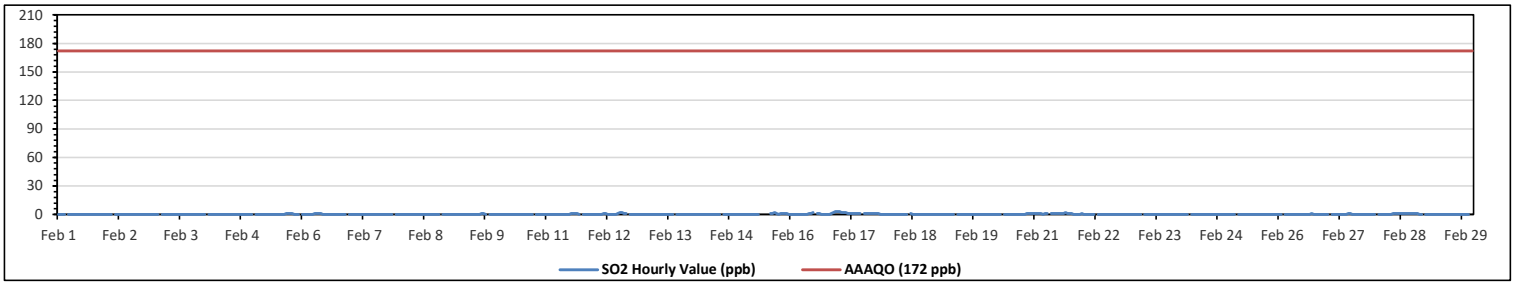
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

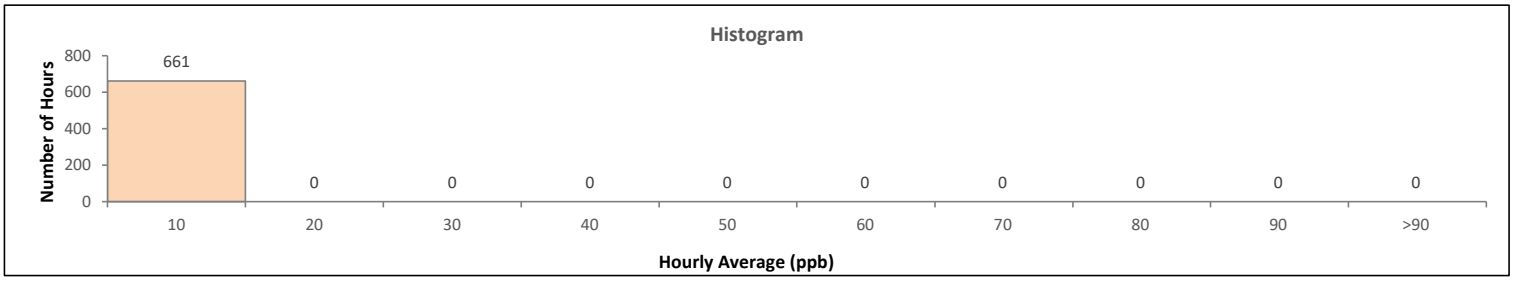
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	3	ppb	on Feb 16 at hr 22	Hours in Service:	696	
Maximum Daily Value:	1.0	ppb	on Feb 17	Hours of Data:	661	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 1	Hours of Calibration:	35	
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			
Feb 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
Feb 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
Feb 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
Feb 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
Feb 5	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	S	0	1	0.2
Feb 6	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.2
Feb 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
Feb 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
Feb 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	S	0	0	0	0	0	1	0.1
Feb 10	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
Feb 11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	S	0	0	0	0	0	0	0	1	0.2
Feb 12	0	0	0	0	1	1	0	0	0	0	0	1	2	2	1	1	S	0	0	0	0	0	0	0	0	2	0.4
Feb 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
Feb 14	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
Feb 15	0	0	0	0	0	0	0	0	0	C	C	C	C	C	1	1	2	1	0	1	1	1	1	0	0	2	0.5
Feb 16	0	0	0	0	0	0	0	0	0	1	1	2	S	1	1	1	0	0	0	0	1	2	3	3	0	3	0.7
Feb 17	3	2	2	2	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	1	0	0	0	0	0	3	1.0
Feb 18	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 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
Feb 20	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0.2
Feb 21	1	1	1	1	0	1	1	S	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1	0	2	0.8
Feb 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
Feb 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
Feb 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
Feb 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
Feb 26	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.0
Feb 27	0	S	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 28	S	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	S	0	1	0.6
Feb 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
Diurnal Maximum	3	2	2	2	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	2	3	3			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	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.



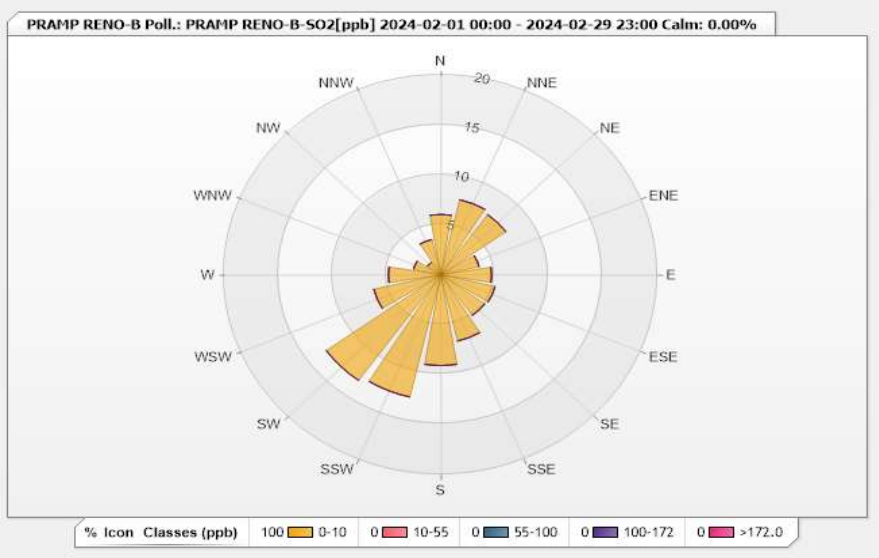


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppb]

Direction	0-10	10-55	55-100	100-172	>172.0	Total
N	6.05	0	0	0	0	6.05
NNE	7.72	0	0	0	0	7.72
NE	7.41	0	0	0	0	7.41
ENE	3.63	0	0	0	0	3.63
E	4.69	0	0	0	0	4.69
ESE	5.14	0	0	0	0	5.14
SE	4.99	0	0	0	0	4.99
SSE	6.81	0	0	0	0	6.81
S	9.08	0	0	0	0	9.08
SSW	12.56	0	0	0	0	12.56
SW	13.01	0	0	0	0	13.01
WSW	6.35	0	0	0	0	6.35
W	4.84	0	0	0	0	4.84
WNW	2.57	0	0	0	0	2.57
NW	1.51	0	0	0	0	1.51
NNW	3.63	0	0	0	0	3.63
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

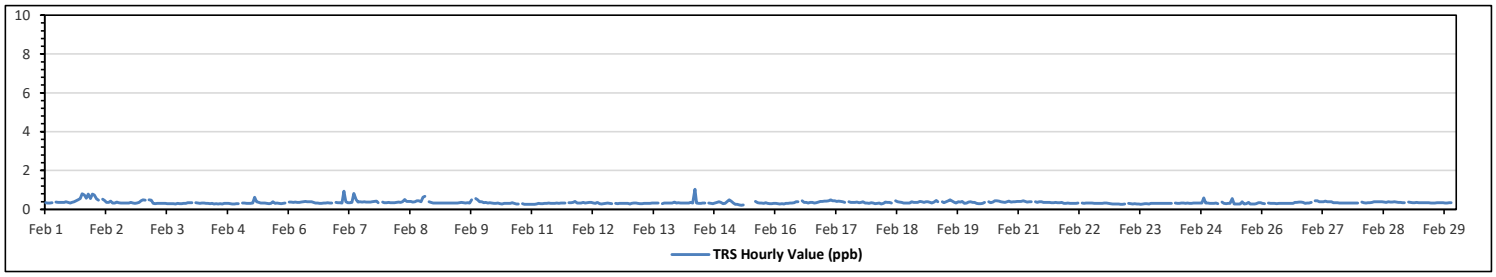
TOTAL REDUCED SULPHUR (TRS) in ppb

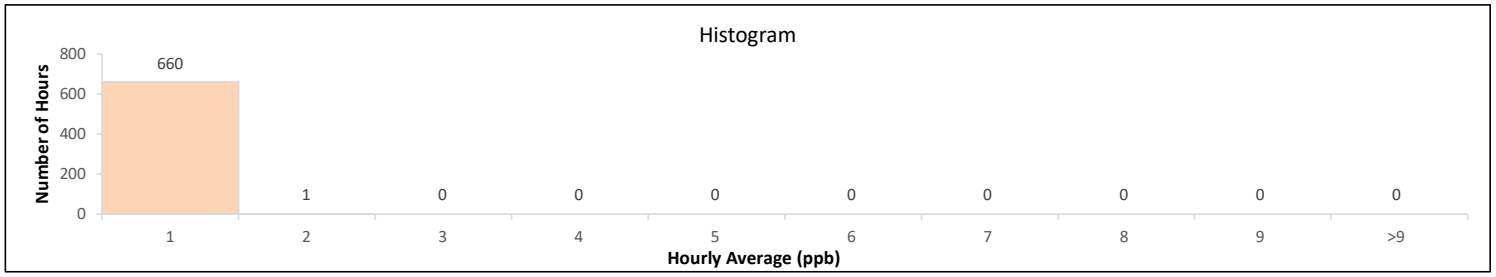
Maximum Hourly Value:	1.04	ppb	on Feb 14 at hr 8	Hours in Service:	696
Maximum Daily Value:	0.47	ppb	on Feb 1	Hours of Data:	661
Minimum Hourly Value:	0.21	ppb	on Feb 15 at hr 7	Hours of Missing Data:	0
Minimum Daily Value:	0.29	ppb	on Feb 23	Hours of Calibration:	35
Monthly Average:	0.35	ppb		Operational 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			
Feb 1	0.34	0.33	0.33	0.34	S	0.37	0.36	0.36	0.35	0.35	0.4	0.35	0.33	0.36	0.4	0.44	0.49	0.56	0.8	0.74	0.58	0.78	0.56	0.78	0.33	0.80	**0.47**
Feb 2	0.74	0.54	0.47	S	0.52	0.46	0.36	0.36	0.42	0.33	0.33	0.37	0.34	0.32	0.32	0.32	0.33	0.33	0.35	0.32	0.31	0.33	0.36	0.43	0.31	0.74	0.39
Feb 3	0.49	0.47	S	0.49	0.47	0.3	0.29	0.31	0.3	0.3	0.3	0.3	0.29	0.29	0.29	0.29	0.28	0.3	0.29	0.29	0.3	0.3	0.34	0.34	0.28	0.49	0.33
Feb 4	0.34	S	0.34	0.32	0.31	0.32	0.32	0.3	0.31	0.29	0.3	0.28	0.29	0.28	0.29	0.28	0.3	0.3	0.3	0.29	0.28	0.28	0.29	0.29	0.28	0.34	0.30
Feb 5	S	0.33	0.32	0.3	0.3	0.31	0.32	0.63	0.38	0.36	0.33	0.32	0.32	0.3	0.29	0.3	0.39	0.31	0.32	0.3	0.29	0.3	0.32	S	0.29	0.63	0.33
Feb 6	0.37	0.37	0.36	0.37	0.35	0.36	0.37	0.39	0.41	0.4	0.4	0.39	0.35	0.33	0.33	0.31	0.31	0.32	0.33	0.34	0.33	0.33	S	0.35	0.31	0.41	0.36
Feb 7	0.34	0.34	0.33	0.93	0.4	0.34	0.34	0.36	0.82	0.51	0.37	0.38	0.37	0.38	0.37	0.37	0.37	0.38	0.41	0.42	0.34	S	0.37	0.34	0.33	0.93	0.42
Feb 8	0.34	0.35	0.34	0.34	0.34	0.36	0.37	0.35	0.39	0.51	0.41	0.41	0.41	0.37	0.38	0.45	0.44	0.39	0.63	0.67	S	0.38	0.35	0.33	0.33	0.67	0.40
Feb 9	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.32	0.32	0.33	0.34	0.35	0.34	0.33	0.34	0.33	0.48	S	0.56	0.48	0.39	0.38	0.32	0.56	0.36
Feb 10	0.34	0.35	0.32	0.34	0.32	0.3	0.31	0.32	0.29	0.28	0.31	0.3	0.3	0.31	0.34	0.3	0.28	0.28	S	0.29	0.27	0.27	0.27	0.27	0.27	0.35	0.30
Feb 11	0.27	0.26	0.28	0.3	0.29	0.29	0.3	0.31	0.32	0.3	0.31	0.31	0.33	0.31	0.32	0.32	0.32	S	0.34	0.34	0.35	0.41	0.33	0.32	0.26	0.41	0.31
Feb 12	0.33	0.36	0.32	0.34	0.35	0.35	0.33	0.31	0.35	0.29	0.28	0.29	0.31	0.32	0.3	0.29	S	0.31	0.29	0.3	0.3	0.31	0.31	0.3	0.28	0.36	0.31
Feb 13	0.28	0.3	0.33	0.32	0.3	0.29	0.29	0.3	0.31	0.31	0.31	0.32	0.33	0.32	0.32	S	0.29	0.33	0.33	0.32	0.33	0.32	0.37	0.33	0.28	0.37	0.32
Feb 14	0.34	0.33	0.33	0.33	0.33	0.33	0.35	0.33	**1.04**	0.33	0.31	0.3	0.32	0.33	S	0.33	0.3	0.29	0.32	0.36	0.38	0.36	0.29	0.31	0.29	**1.04**	0.36
Feb 15	0.39	0.49	0.42	0.32	0.26	0.25	0.23	0.21	0.23	C	C	C	C	C	0.41	0.34	0.33	0.32	0.3	0.34	0.3	0.29	0.29	0.3	0.21	0.49	0.32
Feb 16	0.3	0.29	0.28	0.29	0.28	0.3	0.3	0.32	0.33	0.34	0.39	0.39	S	0.43	0.36	0.35	0.33	0.35	0.35	0.33	0.34	0.37	0.41	0.41	0.28	0.43	0.34
Feb 17	0.42	0.42	0.43	0.49	0.45	0.43	0.41	0.42	0.41	0.39	0.36	S	0.38	0.35	0.35	0.35	0.37	0.34	0.35	0.38	0.32	0.32	0.31	0.34	0.31	0.49	0.38
Feb 18	0.32	0.29	0.31	0.32	0.28	0.31	0.37	0.35	0.35	0.33	S	0.44	0.4	0.37	0.35	0.33	0.33	0.33	0.33	0.38	0.36	0.36	0.36	0.41	0.28	0.44	0.35
Feb 19	0.38	0.36	0.39	0.38	0.36	0.33	0.37	0.46	0.39	S	0.38	0.34	0.39	0.45	0.48	0.42	0.35	0.33	0.38	0.37	0.41	0.31	0.32	0.37	0.31	0.48	0.38
Feb 20	0.39	0.36	0.35	0.31	0.29	0.29	0.3	0.36	S	0.4	0.34	0.37	0.44	0.45	0.42	0.39	0.37	0.36	0.4	0.42	0.37	0.38	0.39	0.41	0.29	0.45	0.37
Feb 21	0.41	0.41	0.43	0.41	0.37	0.39	0.38	S	0.4	0.35	0.4	0.4	0.35	0.35	0.35	0.35	0.34	0.34	0.35	0.34	0.34	0.36	0.31	0.31	0.31	0.43	0.37
Feb 22	0.32	0.31	0.3	0.31	0.3	0.33	S	0.33	0.31	0.33	0.32	0.33	0.32	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.31	0.29	0.28	0.28	0.28	0.33	0.31
Feb 23	0.28	0.28	0.27	0.27	0.28	S	0.3	0.29	0.28	0.29	0.28	0.28	0.27	0.28	0.29	0.29	0.28	0.3	0.3	0.31	0.31	0.31	0.31	0.3	0.27	0.31	0.29
Feb 24	0.31	0.3	0.31	0.3	S	0.32	0.31	0.31	0.32	0.32	0.31	0.32	0.31	0.31	0.33	0.32	0.32	0.33	0.33	0.59	0.33	0.32	0.31	0.31	0.30	0.59	0.33
Feb 25	0.31	0.32	0.29	S	0.37	0.31	0.29	0.3	0.3	0.55	0.28	0.28	0.28	0.28	0.4	0.28	0.29	0.35	0.28	0.28	0.28	0.29	0.34	0.34	0.28	0.55	0.32
Feb 26	0.3	0.29	S	0.33	0.3	0.3	0.3	0.29	0.3	0.3	0.3	0.31	0.31	0.31	0.31	0.31	0.36	0.36	0.37	0.37	0.35	0.31	0.33	0.32	0.29	0.37	0.32
Feb 27	0.36	S	0.43	0.43	0.4	0.38	0.38	0.42	0.4	0.39	0.4	0.34	0.34	0.34	0.32	0.33	0.33	0.33	0.32	0.33	0.32	0.32	0.32	0.32	0.32	0.43	0.36
Feb 28	S	0.37	0.34	0.33	0.34	0.34	0.35	0.38	0.38	0.38	0.38	0.38	0.37	0.36	0.38	0.37	0.37	0.38	0.37	0.36	0.36	0.34	0.34	S	0.33	0.38	0.36
Feb 29	0.37	0.35	0.34	0.34	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.33	0.32	0.34	0.34	S	0.38	0.32	0.38	0.34
Diurnal Maximum	0.74	0.54	0.47	0.93	0.52	0.46	0.41	0.63	1.04	0.55	0.41	0.44	0.44	0.45	0.48	0.45	0.49	0.56	0.80	0.74	0.58	0.78	0.56	0.78			
Diurnal Average	0.36	0.35	0.34	0.37	0.34	0.33	0.33	0.35	0.38	0.36	0.34	0.34	0.34	0.34	0.35	0.34	0.34	0.34	0.37	0.37	0.35	0.35	0.34	0.35			

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.



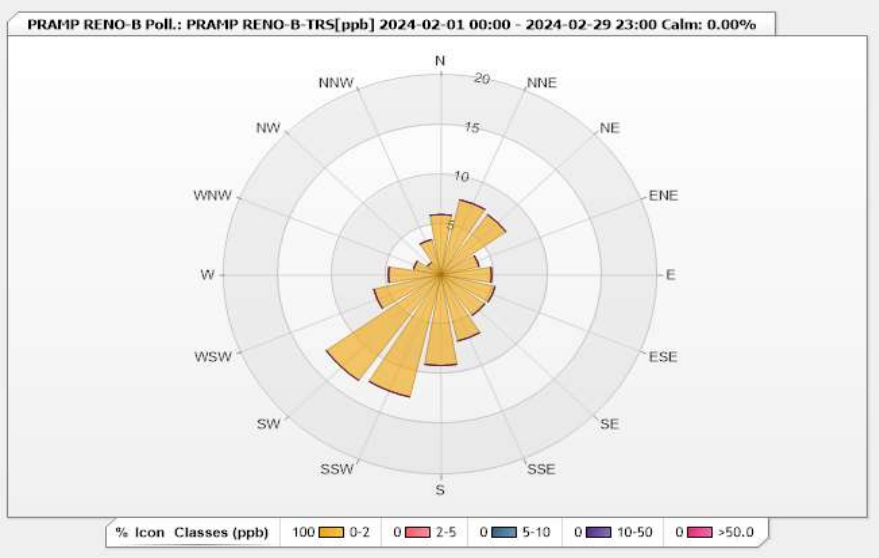


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	6.05	0	0	0	0	6.05
NNE	7.72	0	0	0	0	7.72
NE	7.41	0	0	0	0	7.41
ENE	3.63	0	0	0	0	3.63
E	4.69	0	0	0	0	4.69
ESE	5.14	0	0	0	0	5.14
SE	4.99	0	0	0	0	4.99
SSE	6.81	0	0	0	0	6.81
S	9.08	0	0	0	0	9.08
SSW	12.56	0	0	0	0	12.56
SW	13.01	0	0	0	0	13.01
WSW	6.35	0	0	0	0	6.35
W	4.84	0	0	0	0	4.84
WNW	2.57	0	0	0	0	2.57
NW	1.51	0	0	0	0	1.51
NNW	3.63	0	0	0	0	3.63
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

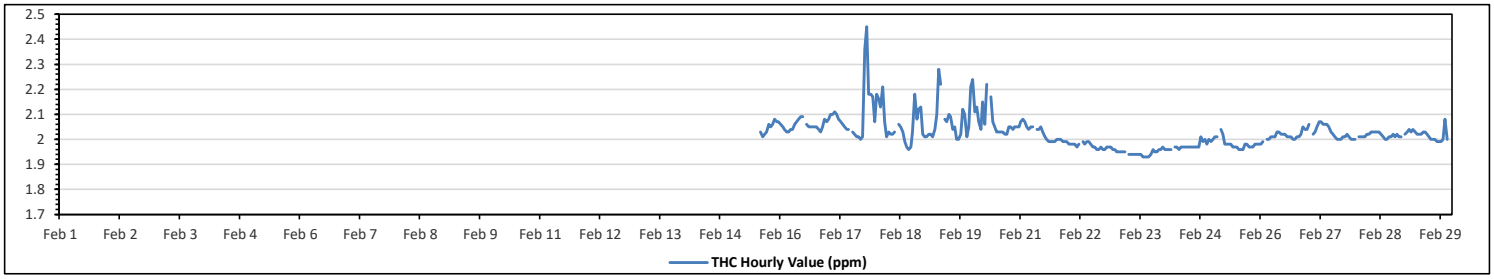
TOTAL HYDROCARBONS (THC) in ppm

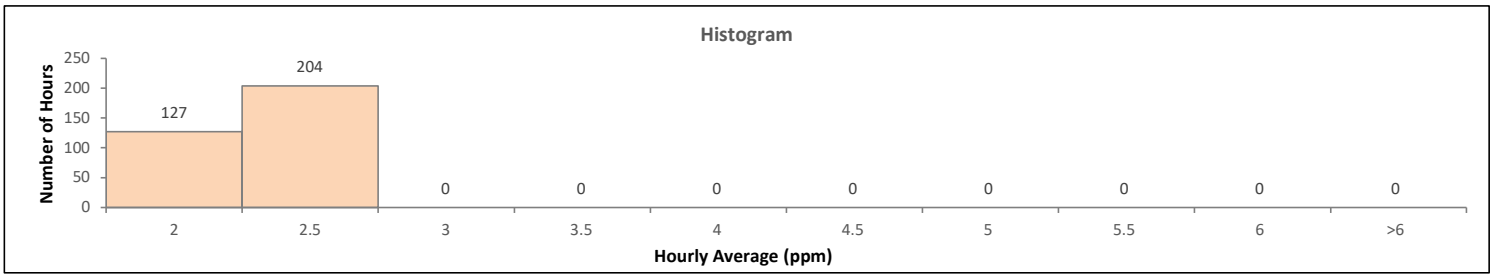
Maximum Hourly Value:	2.45	ppm	on Feb 17 at hr 19	Hours in Service:	696	
Maximum Daily Value:	2.10	ppm	on Feb 17	Hours of Data:	331	
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 13	Hours of Missing Data:	345	
Minimum Daily Value:	1.95	ppm	on Feb 23	Hours of Calibration:	20	
Monthly Average:	NA	ppm		Operational Uptime:	50.4	

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			
Feb 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 15	X	X	X	X	X	X	X	X	X	C	C	C	C	C	2.03	2.01	2.02	2.03	2.06	2.05	2.06	2.08	2.07	2.07	2.01	2.08	NA
Feb 16	2.06	2.05	2.04	2.03	2.03	2.04	2.04	2.06	2.07	2.08	2.09	2.09	S	2.06	2.05	2.05	2.05	2.05	2.05	2.04	2.03	2.05	2.08	2.07	2.03	2.09	2.05
Feb 17	2.08	2.10	2.10	2.11	2.10	2.08	2.07	2.06	2.05	2.04	2.04	S	2.03	2.02	2.01	2.01	2.00	2.01	2.36	**2.45**	2.18	2.18	2.17	2.07	2.00	**2.45**	**2.10**
Feb 18	2.18	2.16	2.13	2.21	2.07	2.01	2.03	2.02	2.02	2.03	S	2.06	2.05	2.03	1.99	1.97	1.96	1.97	2.03	2.18	2.08	2.12	2.13	2.02	1.96	2.21	2.06
Feb 19	2.01	2.01	2.02	2.02	2.01	2.04	2.10	2.28	2.22	S	2.08	2.07	2.10	2.09	2.04	2.05	2.00	2.00	2.02	2.12	2.10	2.01	2.05	2.21	2.00	2.28	2.07
Feb 20	2.24	2.11	2.13	2.07	2.04	2.15	2.06	2.22	S	2.17	2.07	2.05	2.03	2.03	2.03	2.03	2.02	2.02	2.05	2.05	2.04	2.05	2.05	2.05	2.02	2.24	2.08
Feb 21	2.07	2.08	2.07	2.05	2.04	2.05	2.05	S	2.04	2.04	2.05	2.03	2.01	2.00	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.08	2.02
Feb 22	1.98	1.98	1.98	1.98	1.97	1.98	S	1.99	1.98	1.99	1.99	1.98	1.97	1.97	1.96	1.96	1.97	1.96	1.96	1.97	1.97	1.97	1.96	1.96	1.96	1.99	1.97
Feb 23	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.96	1.95	1.95	1.96	1.96	1.97	1.93	1.97	1.95
Feb 24	1.96	1.96	1.96	1.96	S	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	2.01	1.99	2.00	1.98	2.00	1.99	1.96	2.01	1.97
Feb 25	2.00	2.01	2.01	S	2.04	2.02	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.96	2.04	1.98
Feb 26	1.98	1.99	S	2.00	2.00	2.01	2.01	2.01	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.02	2.05	2.04	2.04	1.98	2.05	2.01
Feb 27	2.06	S	2.02	2.03	2.05	2.07	2.07	2.06	2.06	2.06	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.07	2.03
Feb 28	S	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.01	2.00	2.00	2.01	2.01	2.02	2.01	2.02	2.01	2.01	S	2.00	2.03	2.02
Feb 29	2.02	2.03	2.04	2.03	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.02	2.01	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.08	2.00	S	2.01	1.99	2.08	2.02
Diurnal Maximum	2.24	2.16	2.13	2.21	2.10	2.15	2.10	2.28	2.22	2.17	2.09	2.09	2.10	2.09	2.05	2.05	2.05	2.05	2.36	2.45	2.18	2.18	2.17	2.21			
Diurnal Average	2.05	2.03	2.04	2.03	2.03	2.04	2.03	2.05	2.03	2.03	2.03	2.02	2.01	2.01	2.00	2.00	1.99	2.00	2.03	2.05	2.03	2.03	2.04	2.03			

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.



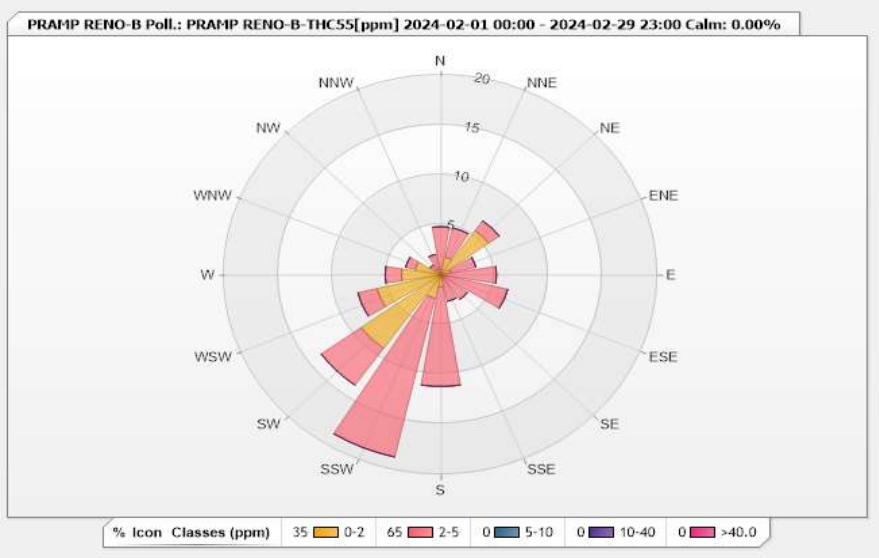


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 47.56% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	4.83	0	0	0	4.83
NNE	1.81	3.02	0	0	0	4.83
NE	5.44	1.21	0	0	0	6.65
ENE	0.91	2.42	0	0	0	3.33
E	0	5.14	0	0	0	5.14
ESE	0.3	6.04	0	0	0	6.34
SE	0	3.02	0	0	0	3.02
SSE	0.3	2.42	0	0	0	2.72
S	1.21	9.97	0	0	0	11.18
SSW	2.42	16.31	0	0	0	18.73
SW	9.06	4.53	0	0	0	13.59
WSW	6.04	1.81	0	0	0	7.85
W	3.63	1.51	0	0	0	5.14
WNW	2.42	0.91	0	0	0	3.33
NW	0.6	0.6	0	0	0	1.2
NNW	0.6	1.51	0	0	0	2.11
Summary	34.74	65.25	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

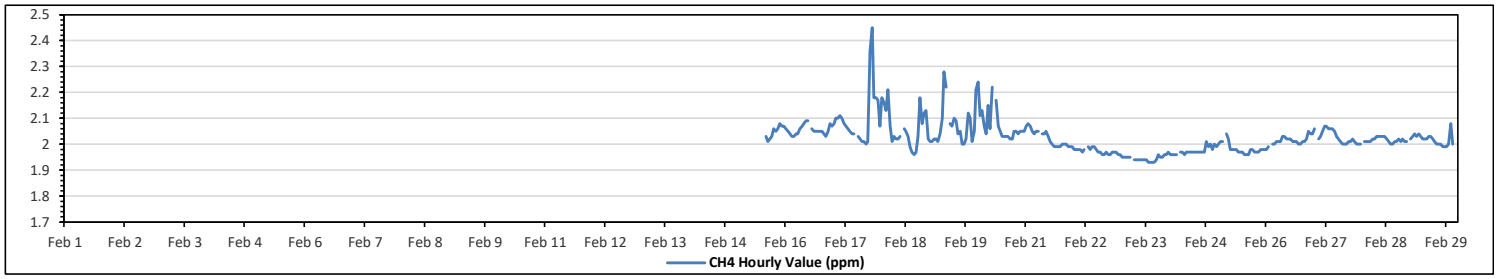
METHANE (CH4) in ppm

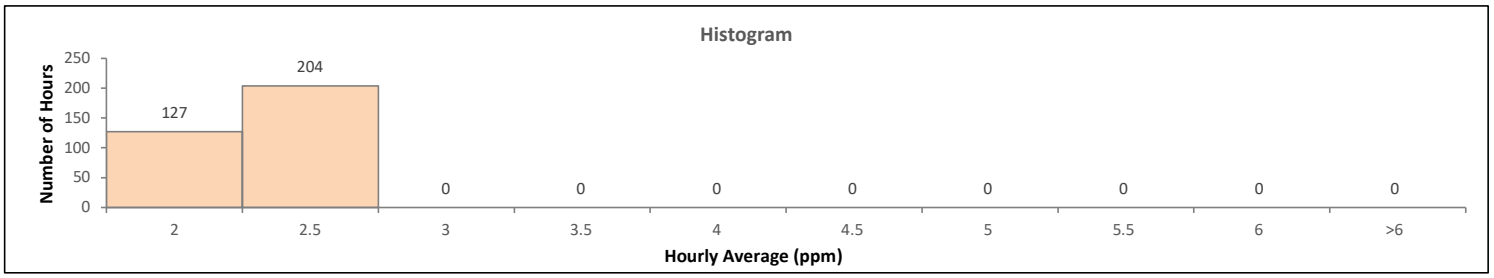
Maximum Hourly Value:	2.45	ppm	on Feb 17 at hr 19	Hours in Service:	696
Maximum Daily Value:	2.10	ppm	on Feb 17	Hours of Data:	331
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 13	Hours of Missing Data:	345
Minimum Daily Value:	1.95	ppm	on Feb 23	Hours of Calibration:	20
Monthly Average:	NA	ppm		Operational Uptime:	50.4

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			
Feb 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 15	X	X	X	X	X	X	X	X	X	C	C	C	C	C	2.03	2.01	2.02	2.03	2.06	2.05	2.06	2.08	2.07	2.07	2.01	2.08	NA
Feb 16	2.06	2.05	2.04	2.03	2.03	2.04	2.04	2.06	2.07	2.08	2.09	2.09	S	2.06	2.05	2.05	2.05	2.05	2.05	2.04	2.03	2.05	2.08	2.07	2.03	2.09	2.05
Feb 17	2.08	2.10	2.10	2.11	2.10	2.08	2.07	2.06	2.05	2.04	2.04	S	2.03	2.02	2.01	2.01	2.00	2.01	2.36	**2.45**	2.18	2.18	2.17	2.07	2.00	**2.45**	**2.10**
Feb 18	2.18	2.16	2.13	2.21	2.07	2.01	2.03	2.02	2.02	2.03	S	2.06	2.05	2.03	1.99	1.97	1.96	1.97	2.03	2.18	2.08	2.12	2.13	2.02	1.96	2.21	2.06
Feb 19	2.01	2.01	2.02	2.02	2.01	2.04	2.10	2.28	2.22	S	2.08	2.07	2.10	2.09	2.04	2.05	2.00	2.00	2.02	2.12	2.10	2.01	2.05	2.21	2.00	2.28	2.07
Feb 20	2.24	2.11	2.13	2.07	2.04	2.15	2.06	2.22	S	2.17	2.07	2.05	2.03	2.03	2.03	2.03	2.02	2.02	2.05	2.05	2.04	2.05	2.05	2.05	2.02	2.24	2.08
Feb 21	2.07	2.08	2.07	2.05	2.04	2.05	2.05	S	2.04	2.04	2.05	2.03	2.01	2.00	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.08	2.02
Feb 22	1.98	1.98	1.98	1.98	1.97	1.98	S	1.99	1.98	1.99	1.99	1.98	1.97	1.97	1.96	1.96	1.97	1.96	1.96	1.97	1.97	1.97	1.96	1.96	1.96	1.99	1.97
Feb 23	1.95	1.95	1.95	1.95	1.95	S	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.96	1.95	1.95	1.96	1.96	1.97	1.93	1.97	1.95
Feb 24	1.96	1.96	1.96	1.96	S	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	2.01	1.99	2.00	1.98	2.00	1.99	1.96	2.01	1.97
Feb 25	2.00	2.01	2.01	S	2.04	2.02	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.98	1.98	1.97	1.97	1.97	1.98	1.98	1.98	1.96	2.04	1.98
Feb 26	1.98	1.99	S	2.00	2.00	2.01	2.01	2.01	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.00	2.00	2.01	2.01	2.02	2.05	2.04	2.04	1.98	2.05	2.01
Feb 27	2.06	S	2.02	2.03	2.05	2.07	2.07	2.06	2.06	2.06	2.05	2.03	2.02	2.01	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.07	2.03
Feb 28	S	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.01	2.00	2.00	2.01	2.01	2.02	2.01	2.02	2.01	2.01	S	2.00	2.03	2.02
Feb 29	2.02	2.03	2.04	2.03	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.02	2.01	2.00	2.00	2.00	1.99	1.99	1.99	2.00	2.08	2.00	S	2.01	1.99	2.08	2.02
Diurnal Maximum	2.24	2.16	2.13	2.21	2.10	2.15	2.10	2.28	2.22	2.17	2.09	2.09	2.10	2.09	2.05	2.05	2.05	2.05	2.36	2.45	2.18	2.18	2.17	2.21			
Diurnal Average	2.05	2.03	2.04	2.03	2.03	2.04	2.03	2.05	2.03	2.03	2.03	2.02	2.01	2.01	2.00	2.00	1.99	2.00	2.03	2.05	2.03	2.03	2.04	2.03			

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.



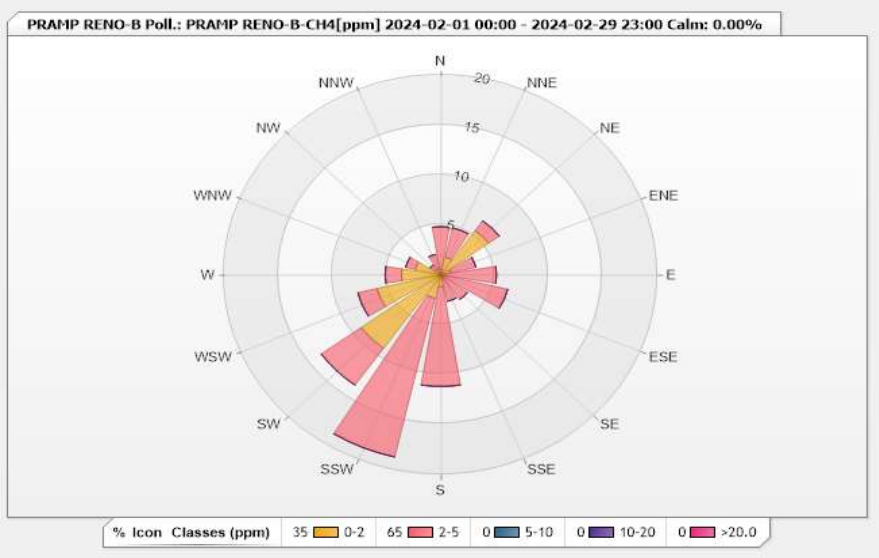


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 47.56% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	4.83	0	0	0	4.83
NNE	1.81	3.02	0	0	0	4.83
NE	5.44	1.21	0	0	0	6.65
ENE	0.91	2.42	0	0	0	3.33
E	0	5.14	0	0	0	5.14
ESE	0.3	6.04	0	0	0	6.34
SE	0	3.02	0	0	0	3.02
SSE	0.3	2.42	0	0	0	2.72
S	1.21	9.97	0	0	0	11.18
SSW	2.42	16.31	0	0	0	18.73
SW	9.06	4.53	0	0	0	13.59
WSW	6.04	1.81	0	0	0	7.85
W	3.63	1.51	0	0	0	5.14
WNW	2.42	0.91	0	0	0	3.33
NW	0.6	0.6	0	0	0	1.2
NNW	0.6	1.51	0	0	0	2.11
Summary	34.74	65.25	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

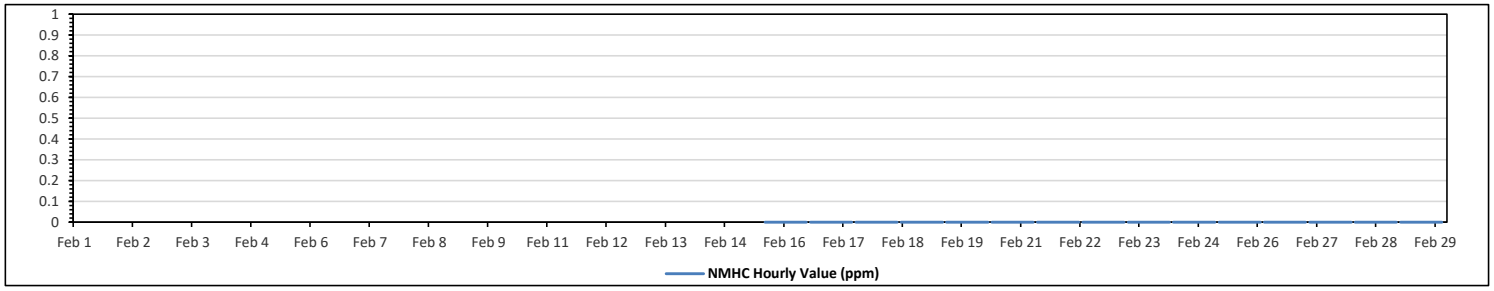
NON-METHANE HYDROCARBONS (NMHC) in ppm

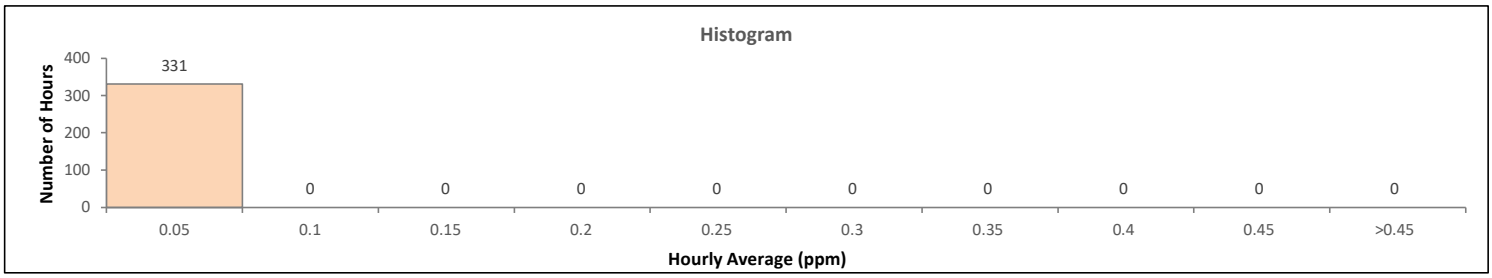
Maximum Hourly Value:	0.00	ppm	on Feb 15 at hr 14	Hours in Service:	696
Maximum Daily Value:	0.00	ppm	on Feb 16	Hours of Data:	331
Minimum Hourly Value:	0.00	ppm	on Feb 15 at hr 14	Hours of Missing Data:	345
Minimum Daily Value:	0.00	ppm	on Feb 16	Hours of Calibration:	20
Monthly Average:	NA	ppm		Operational Uptime:	50.4

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			
Feb 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Feb 15	X	X	X	X	X	X	X	X	X	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 28	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
Feb 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
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.



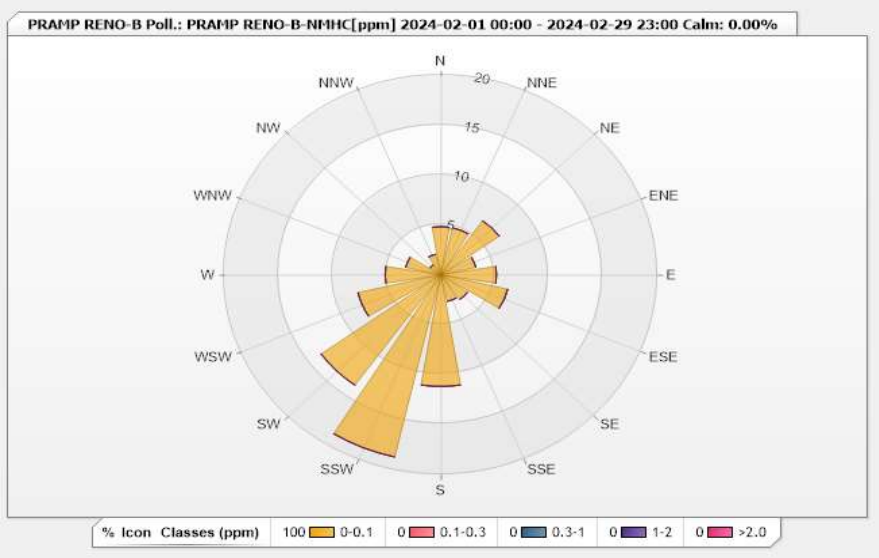


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 47.56% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.83	0	0	0	0	4.83
NNE	4.83	0	0	0	0	4.83
NE	6.65	0	0	0	0	6.65
ENE	3.32	0	0	0	0	3.32
E	5.14	0	0	0	0	5.14
ESE	6.34	0	0	0	0	6.34
SE	3.02	0	0	0	0	3.02
SSE	2.72	0	0	0	0	2.72
S	11.18	0	0	0	0	11.18
SSW	18.73	0	0	0	0	18.73
SW	13.6	0	0	0	0	13.6
WSW	7.85	0	0	0	0	7.85
W	5.14	0	0	0	0	5.14
WNW	3.32	0	0	0	0	3.32
NW	1.21	0	0	0	0	1.21
NNW	2.11	0	0	0	0	2.11
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

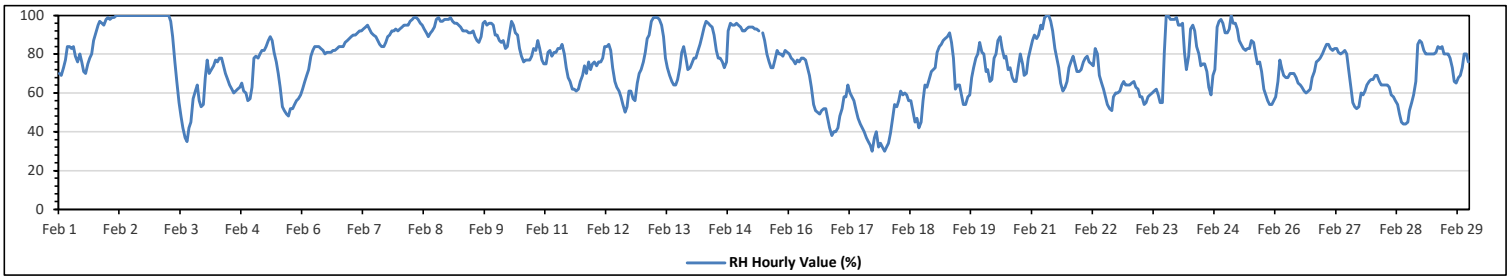
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Feb 2 at hr 4	Hours in Service:	696	
Maximum Daily Value:	99.8	%	on Feb 2	Hours of Data:	695	
Minimum Hourly Value:	30	%	on Feb 17 at hr 17	Hours of Missing Data:	1	
Minimum Daily Value:	44.2	%	on Feb 17	Hours of Calibration:	0	
Monthly Average:	75.6	%		Operational Uptime:	99.9	

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
Feb 1	70	69	73	77	84	84	83	84	79	76	80	76	71	70	75	78	80	87	91	95	97	96	95	98	69	98	82.0
Feb 2	99	98	99	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	**100**	**99.8**
Feb 3	**100**	**100**	**100**	**100**	**100**	**100**	**100**	97	89	76	66	55	48	42	37	35	42	45	57	61	64	56	53	54	35	**100**	69.9
Feb 4	68	77	70	72	74	77	76	78	78	74	70	67	64	62	60	61	62	63	65	61	60	56	57	63	56	78	67.3
Feb 5	78	79	78	80	82	82	84	87	89	87	81	76	70	63	53	51	49	48	52	52	54	56	57	59	48	89	68.6
Feb 6	62	66	69	72	79	82	84	84	84	83	82	80	81	81	81	82	82	83	84	84	84	86	87	88	62	88	80.4
Feb 7	89	90	90	91	92	92	93	94	95	93	91	90	89	87	85	84	84	86	89	90	92	92	93	92	84	95	90.1
Feb 8	93	94	95	95	95	97	98	99	99	98	96	95	93	91	89	91	92	94	98	99	97	97	98	98	89	99	95.5
Feb 9	98	99	97	96	96	95	94	92	92	92	91	91	92	89	87	86	89	96	97	95	96	96	95	90	86	99	93.4
Feb 10	90	87	86	87	83	84	91	97	95	91	90	83	79	76	77	77	77	79	83	82	87	83	77	75	75	97	84.0
Feb 11	75	81	82	79	81	81	83	83	85	80	73	68	66	62	62	61	62	66	69	74	70	76	72	75	61	85	73.6
Feb 12	76	74	76	76	78	84	84	85	82	73	66	63	61	58	54	50	53	61	61	57	56	65	70	72	50	85	68.1
Feb 13	76	81	88	90	97	99	99	99	98	95	89	78	73	69	66	64	64	67	73	81	84	78	72	73	64	99	81.4
Feb 14	75	78	78	82	85	89	94	97	96	95	94	90	82	78	78	76	73	76	92	96	95	95	96	95	73	97	86.9
Feb 15	94	92	92	93	94	94	94	93	93	92	K	91	87	80	76	73	73	77	82	80	80	79	82	81	73	94	85.7
Feb 16	80	78	77	75	77	76	78	78	77	73	69	63	54	51	50	49	51	52	52	47	42	38	40	40	38	80	61.1
Feb 17	42	48	52	58	58	64	60	58	56	51	47	44	42	40	37	35	33	**30**	37	40	32	34	32	**30**	**30**	64	**44.2**
Feb 18	32	34	39	47	54	53	56	61	59	60	59	56	56	51	45	47	42	45	56	64	63	67	71	72	32	72	53.7
Feb 19	73	81	84	85	87	88	89	91	86	78	62	64	64	59	54	54	58	59	68	73	78	80	86	81	54	91	74.3
Feb 20	80	71	72	66	67	78	80	87	89	83	78	79	72	73	68	66	66	74	80	75	69	70	78	83	66	89	75.2
Feb 21	87	90	88	90	95	93	99	**100**	**100**	97	92	83	78	73	65	61	63	66	73	76	79	75	71	71	61	**100**	81.9
Feb 22	72	76	78	79	76	75	74	83	80	69	65	62	58	54	52	51	58	60	60	61	64	66	64	64	51	83	66.7
Feb 23	64	65	66	63	62	58	58	54	55	58	59	60	61	62	59	55	55	81	**100**	**100**	98	98	98	99	54	**100**	70.3
Feb 24	95	95	96	81	72	79	93	95	92	84	80	74	75	75	71	63	59	69	72	94	97	98	96	91	59	98	83.2
Feb 25	91	93	**100**	96	96	93	87	85	83	82	83	83	87	86	80	75	76	71	62	59	56	54	54	56	54	**100**	78.7
Feb 26	58	66	77	72	69	68	68	70	70	70	68	65	64	63	61	60	61	62	68	71	76	77	78	80	58	80	68.4
Feb 27	83	85	85	83	82	83	83	81	80	81	82	80	72	63	55	53	52	53	60	59	61	64	66	67	52	85	71.4
Feb 28	67	69	69	66	64	64	64	64	63	59	58	56	54	49	45	44	44	45	51	55	59	66	85	87	44	87	60.3
Feb 29	86	82	80	80	80	80	80	81	84	83	84	80	80	80	78	73	66	65	68	69	73	80	80	76	65	86	77.8
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	77.7	79.2	80.6	80.3	81.3	82.5	83.7	84.7	83.7	80.4	77.0	74.2	71.5	68.5	65.5	64.0	64.3	67.6	72.4	74.1	74.6	75.1	76.0	76.2			

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

Reno-B Station - February 2024

Summary of Hourly Averages

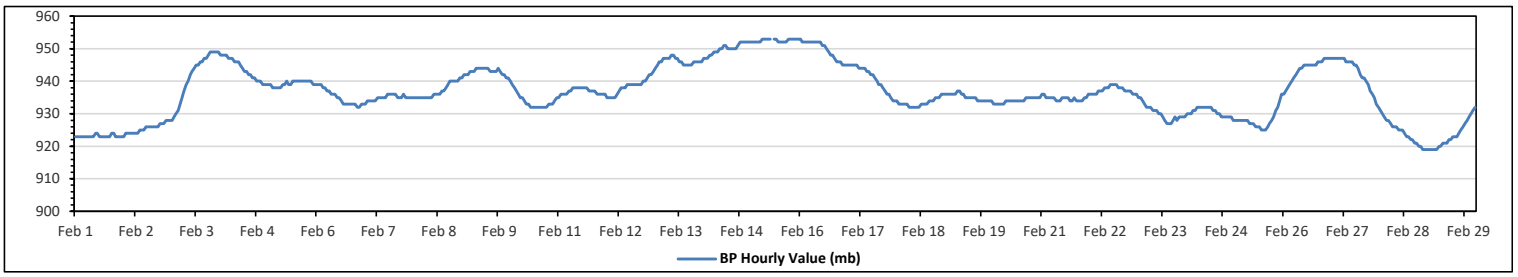
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	953	mb	on Feb 15 at hr 5	Hours in Service:	696
Maximum Daily Value:	953	mb	on Feb 15	Hours of Data:	695
Minimum Hourly Value:	919	mb	on Feb 28 at hr 21	Hours of Missing Data:	1
Minimum Daily Value:	923	mb	on Feb 1	Hours of Calibration:	0
Monthly Average:	937	mb		Operational Uptime:	99.9

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
Feb 1	923	923	923	923	923	923	923	923	923	923	924	924	923	923	923	923	923	923	924	924	923	923	923	923	923	924	**923**
Feb 2	923	924	924	924	924	924	924	924	925	925	925	926	926	926	926	926	926	926	927	927	927	928	928	928	923	928	926
Feb 3	928	929	930	931	933	935	937	939	940	942	943	944	945	945	946	946	947	947	948	949	949	949	949	949	928	949	942
Feb 4	948	948	948	948	947	947	947	946	946	946	945	944	943	943	942	942	941	941	940	940	940	939	939	939	939	948	944
Feb 5	939	939	938	938	938	938	938	939	939	940	939	939	940	940	940	940	940	940	940	940	940	940	939	939	938	940	939
Feb 6	939	939	939	938	938	937	937	936	936	936	935	935	934	933	933	933	933	933	933	933	932	932	933	933	932	939	935
Feb 7	933	934	934	934	934	934	935	935	935	935	935	936	936	936	936	936	935	935	935	936	935	935	935	935	933	936	935
Feb 8	935	935	935	935	935	935	935	935	935	935	936	936	936	936	937	937	938	939	940	940	940	940	940	941	935	941	937
Feb 9	941	942	942	942	943	943	943	944	944	944	944	944	944	944	943	943	943	943	944	943	942	942	941	941	941	944	943
Feb 10	940	939	938	937	936	935	935	934	933	933	932	932	932	932	932	932	932	932	932	933	933	933	934	935	932	940	934
Feb 11	935	936	936	936	936	937	937	938	938	938	938	938	938	938	938	937	937	937	937	936	936	936	936	936	935	938	937
Feb 12	935	935	935	935	935	936	937	938	938	938	939	939	939	939	939	939	939	939	940	940	941	942	942	943	935	943	938
Feb 13	944	945	946	946	947	947	947	947	948	948	947	947	946	946	945	945	945	945	945	946	946	946	946	946	944	948	946
Feb 14	947	947	947	948	948	949	949	949	950	950	951	951	950	950	950	950	950	951	952	952	952	952	952	952	947	952	950
Feb 15	952	952	952	952	952	**953**	**953**	**953**	**953**	**953**	**K**	**953**	**953**	952	952	952	952	952	**953**	**953**	**953**	**953**	**953**	**953**	952	**953**	**953**
Feb 16	**953**	952	952	952	952	952	952	952	952	952	952	951	951	950	949	948	948	947	946	946	946	945	945	945	945	**953**	950
Feb 17	945	945	945	945	945	944	944	944	944	943	943	942	942	941	940	939	939	938	937	936	936	935	934	934	934	945	941
Feb 18	934	933	933	933	933	933	932	932	932	932	932	932	933	933	933	933	934	934	934	935	935	935	936	936	932	936	933
Feb 19	936	936	936	936	936	936	937	937	936	936	935	935	935	935	935	935	934	934	934	934	934	934	934	934	934	937	935
Feb 20	933	933	933	933	933	933	934	934	934	934	934	934	934	934	934	934	935	935	935	935	935	935	935	935	933	935	934
Feb 21	936	936	935	935	935	935	935	934	934	934	935	935	935	935	934	934	935	934	934	934	934	935	935	936	934	936	935
Feb 22	936	936	936	936	937	937	937	938	938	938	939	939	939	939	938	938	938	937	937	937	937	936	936	936	936	939	937
Feb 23	935	935	934	933	932	932	932	931	931	931	930	930	929	928	927	927	927	928	929	928	929	929	929	929	927	935	930
Feb 24	930	930	930	931	931	932	932	932	932	932	932	932	932	931	931	930	930	929	929	929	929	929	929	928	928	932	931
Feb 25	928	928	928	928	928	928	928	927	927	927	926	926	926	925	925	925	926	927	928	929	931	932	934	936	925	936	928
Feb 26	936	937	938	939	940	941	942	943	944	944	945	945	945	945	945	945	945	946	946	946	947	947	947	947	936	947	944
Feb 27	947	947	947	947	947	947	947	946	946	946	946	945	945	944	942	941	941	940	939	937	936	935	933	932	932	947	943
Feb 28	931	930	929	928	928	927	926	926	926	925	925	925	924	923	923	922	922	921	921	920	920	**919**	**919**	**919**	**919**	931	924
Feb 29	**919**	**919**	**919**	**919**	**919**	920	920	921	921	921	922	922	923	923	923	924	925	926	927	928	929	930	931	932	**919**	932	923
Diurnal Maximum	953	952	952	952	952	953	953	953	953	953	952	953	953	952	952	952	952	952	953	953	953	953	953	953			
Diurnal Average	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	936	937	937	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

Reno-B Station - February 2024

Summary of Hourly Averages

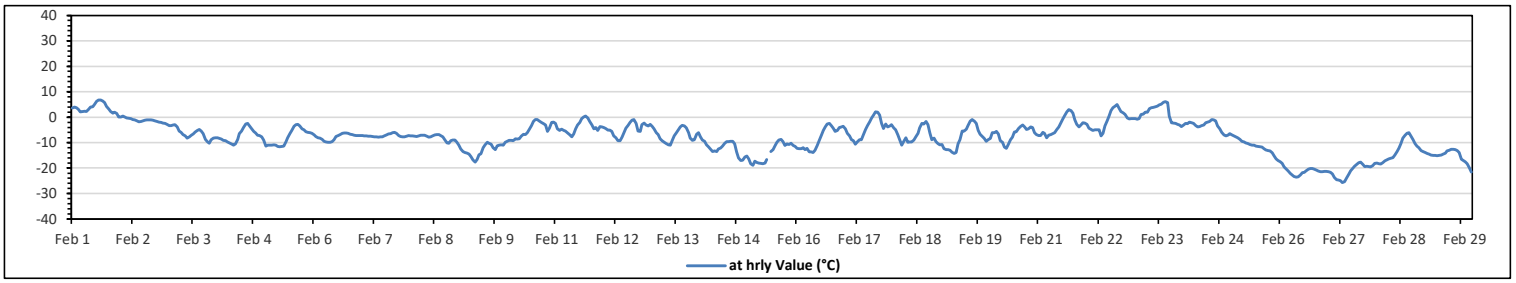
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	6.8	°C	on Feb 1 at hr 13	Hours in Service:	696	
Maximum Daily Value:	3.6	°C	on Feb 1	Hours of Data:	695	
Minimum Hourly Value:	-25.7	°C	on Feb 27 at hr 7	Hours of Missing Data:	1	
Minimum Daily Value:	-21.2	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	-7.7	°C		Operational Uptime:	99.9	

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
Feb 1	3.6	4	3.7	3.1	2.1	2.3	2.4	2.3	3.1	4	4.1	5.1	6.3	**6.8**	**6.8**	6.4	5.7	4.2	3.2	2.2	1.5	1.9	1.4	0.1	0.1	**6.8**	**3.6**
Feb 2	0.1	0.4	0.1	-0.2	-0.4	-0.5	-0.9	-1.1	-1.4	-1.8	-1.6	-1.4	-1.2	-1.1	-1.1	-1.1	-1.2	-1.4	-1.6	-1.9	-2	-2.3	-2.5	-2.8	-2.8	0.4	-1.2
Feb 3	-3.3	-3.3	-3.1	-2.9	-3.9	-5.4	-5.9	-6.8	-7.4	-8.2	-7.7	-7.1	-6.6	-5.8	-5.2	-4.8	-5.4	-6.5	-8.7	-9.6	-10.2	-8.9	-8.2	-8.1	-10.2	-2.9	-6.4
Feb 4	-8	-8.3	-8.6	-9.1	-9.2	-9.7	-10.1	-10.5	-11	-10.5	-8.7	-6.5	-5.4	-4	-2.7	-2.4	-3.4	-4.4	-5.6	-6.2	-7	-7.2	-7.7	-9	-11.0	-2.4	-7.3
Feb 5	-11.4	-10.9	-11	-11	-10.8	-11	-11.5	-11.6	-11.5	-11.3	-9.5	-8.1	-6.5	-5.3	-3.6	-2.9	-2.8	-3.5	-4.5	-4.9	-5.7	-6	-6.1	-6.3	-11.6	-2.8	-7.8
Feb 6	-6.9	-7.6	-8	-8.2	-8.7	-9.4	-9.7	-9.8	-9.8	-9.5	-8.9	-7.6	-7.2	-6.8	-6.4	-6.2	-6.2	-6.3	-6.7	-6.8	-7	-7.2	-7.2	-7.2	-9.8	-6.2	-7.7
Feb 7	-7.2	-7.3	-7.4	-7.5	-7.5	-7.6	-7.8	-7.8	-7.9	-7.7	-7.7	-7.4	-6.9	-6.6	-6.5	-6.1	-5.9	-6.3	-7.2	-7.6	-7.8	-7.8	-7.5	-7.2	-7.9	-5.9	-7.3
Feb 8	-7.4	-7.4	-7.5	-7.6	-7.3	-7.1	-7	-7.1	-7.5	-7.9	-7.7	-7.4	-6.9	-6.8	-6.8	-7.2	-7.8	-8.9	-10.1	-10.2	-9.2	-9	-9	-9.9	-10.2	-6.8	-7.9
Feb 9	-10.9	-12.5	-13.4	-13.9	-14.1	-14.6	-15.5	-16.8	-17.6	-16.6	-14.7	-14.4	-12	-10.8	-9.8	-10.2	-10.6	-12	-12.8	-11.2	-11	-10.8	-10.9	-9.9	-17.6	-9.8	-12.8
Feb 10	-9.4	-9.1	-9.1	-9.3	-8.4	-8.6	-8.4	-7.5	-6.7	-6.8	-6.1	-4.8	-3.3	-1.7	-1	-1	-1.5	-2.1	-2.6	-3.1	-5.5	-4.3	-2	-1.9	-9.4	-1.0	-5.2
Feb 11	-2.4	-4.6	-5.3	-4.7	-5.3	-5.4	-6.2	-6.8	-7.7	-6.6	-4.5	-3.1	-2	-0.6	0.1	0.5	-0.2	-1.7	-3	-4.6	-4	-5.3	-3.7	-3.9	-7.7	0.5	-3.8
Feb 12	-4	-4.4	-5.1	-5.1	-5.5	-7.3	-8.1	-9.2	-9.3	-7.9	-6.1	-4.3	-3.2	-2.1	-1.2	-1	-2.4	-5.4	-5.6	-2.9	-2.3	-3.1	-3.5	-2.8	-9.3	-1.0	-4.7
Feb 13	-3.6	-4.6	-6.1	-6.8	-8.5	-9.3	-9.9	-10.4	-10.8	-11	-9.1	-7.3	-6.1	-4.9	-3.9	-3.2	-3.4	-4.2	-6.1	-8.2	-9.1	-8.8	-6.7	-6.1	-11.0	-3.2	-7.0
Feb 14	-7.7	-9	-9.4	-10.8	-11.6	-12.5	-13.4	-13.3	-13.4	-12.5	-12.1	-11.3	-10.2	-9.6	-9.5	-9.4	-9.4	-10.5	-13.6	-16	-17	-16.9	-15.6	-15.3	-17.0	-7.7	-12.1
Feb 15	-16.3	-18.3	-18.9	-17.3	-17.7	-18	-18.2	-18.3	-18	-16.6	K	-13.5	-12.8	-11.2	-9.8	-9	-8.7	-9.5	-11.1	-10.5	-10.7	-10.3	-11.1	-11.5	-18.9	-8.7	-13.8
Feb 16	-12.2	-12.3	-12.4	-12	-12.7	-12.2	-13.6	-13.6	-13.9	-13	-11.1	-9.2	-7.1	-5.3	-3.9	-2.7	-2.5	-3.3	-4.3	-5.6	-5.2	-4	-3.8	-3.6	-13.9	-2.5	-8.3
Feb 17	-4.6	-6.3	-7.3	-8.9	-9.2	-10.6	-9.5	-8.9	-8.8	-6.9	-4.8	-3.3	-1.8	-0.2	0.9	2.1	2	0.8	-2.4	-4.4	-2.7	-3.9	-3.4	-2.9	-10.6	2.1	-4.4
Feb 18	-4.1	-4.9	-6.9	-9	-11	-9.5	-8.1	-9.9	-9.7	-9.7	-9	-7.7	-6.4	-4.1	-2.4	-2.7	-1.7	-2.9	-6.2	-8.8	-8.2	-9.6	-10.4	-10.8	-11.0	-1.7	-7.2
Feb 19	-10.7	-12.4	-12.8	-12.8	-13	-13.7	-14.2	-13.8	-10.5	-8.8	-5.4	-5.4	-4.7	-3.3	-1.5	-0.9	-1.5	-2.5	-5.2	-6.7	-7.6	-8.3	-9.4	-8.8	-14.2	-0.9	-8.1
Feb 20	-8.3	-6.1	-6.1	-5.6	-6.6	-9.3	-9.9	-11.7	-12.2	-10.7	-8.9	-7.9	-5.8	-5.7	-4.4	-3.7	-3.1	-3.9	-4.8	-4.6	-3.8	-4	-6.1	-6.8	-12.2	-3.1	-6.7
Feb 21	-7.2	-7.2	-5.9	-6.4	-8	-7.1	-6.8	-6.5	-6.1	-4.9	-3.9	-2.3	-0.8	0.6	2.1	3	2.7	1.6	-1.1	-2.8	-3.9	-3.1	-2.2	-2.3	-8.0	3.0	-3.3
Feb 22	-2.8	-4.3	-4.8	-5.3	-5	-4.9	-4.9	-7.4	-6.4	-3.5	-1.4	0.5	2.6	3.7	4.4	5	3.4	2.3	1.7	1.1	-0.2	-0.7	-0.6	-0.5	-7.4	5.0	-1.2
Feb 23	-0.5	-0.8	-0.6	1.1	1.2	2	2	3.3	3.8	3.9	4.1	4.4	4.9	5.1	5.8	6.1	5.7	0.5	-2.2	-2.3	-2.5	-2.8	-3.1	-3.7	-3.7	6.1	1.5
Feb 24	-3	-2.5	-2.6	-1.9	-2.2	-2.5	-3.3	-3.9	-3.7	-3.3	-3	-2.2	-1.9	-1.6	-1	-1.1	-1.4	-3.4	-4.6	-6	-6.9	-7.4	-7	-6.5	-7.4	-1.0	-3.5
Feb 25	-6.9	-7.4	-7.8	-8.1	-8.7	-9.4	-9.7	-10.1	-10.4	-10.7	-10.9	-11	-11.3	-11.5	-11.6	-11.8	-12.3	-12.9	-13.2	-13.3	-14	-15.3	-16.4	-17	-17.0	-6.9	-11.3
Feb 26	-17.5	-18.2	-19.6	-20.3	-21.2	-22.1	-22.8	-23.3	-23.6	-23.4	-22.7	-21.8	-21.6	-21	-20.4	-20.1	-20.1	-20.4	-20.8	-21.2	-21.4	-21.4	-21.3	-21.3	-23.6	-17.5	-21.1
Feb 27	-21.4	-21.7	-22.3	-23.7	-24.5	-24.7	-25	**-25.7**	-25.4	-24	-22.4	-21	-20.1	-19.3	-18.5	-17.9	-17.6	-18.4	-19.4	-19.3	-19.4	-19.5	-19	-18.1	**-25.7**	-17.6	**-21.2**
Feb 28	-18	-18.3	-18.4	-17.9	-17.2	-16.8	-16.4	-16.1	-15.9	-14.9	-13.4	-12.1	-10.4	-8.2	-7	-6.4	-6.1	-7.3	-8.9	-10.4	-11.3	-12	-13.1	-13.4	-18.4	-6.1	-12.9
Feb 29	-13.9	-14.2	-14.6	-14.9	-15	-15	-15.1	-15	-14.8	-14.6	-14.1	-13.3	-13	-12.6	-12.6	-12.8	-13.2	-13.9	-16.5	-17.1	-17.5	-18.3	-19.9	-21.5	-21.5	-12.6	-15.1
Diurnal Maximum	3.6	4.0	3.7	3.1	2.1	2.3	2.4	3.3	3.8	4.0	4.1	5.1	6.3	6.8	6.8	6.4	5.7	4.2	3.2	2.2	1.5	1.9	1.4	0.1			
Diurnal Average	-7.8	-8.3	-8.7	-8.9	-9.3	-9.7	-9.9	-10.3	-10.2	-9.5	-8.1	-7.3	-6.3	-5.3	-4.5	-4.2	-4.4	-5.6	-7.0	-7.7	-8.0	-8.1	-8.1	-8.2			

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

Reno-B Station - February 2024

Summary of Hourly Averages

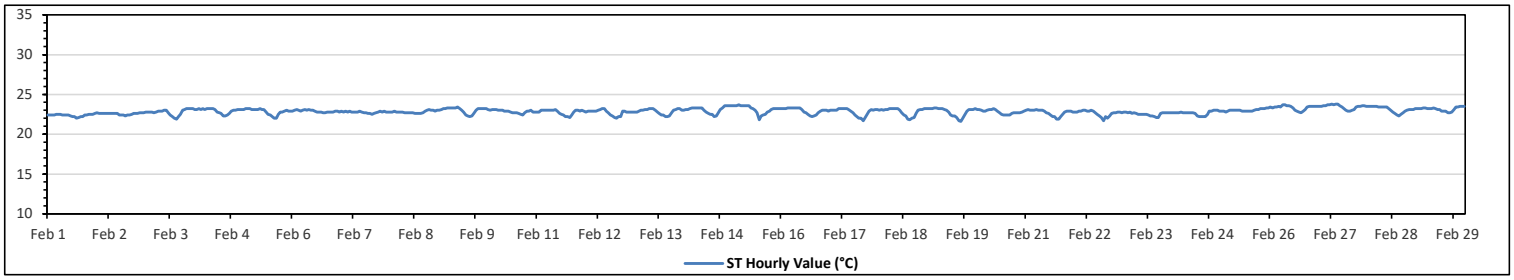
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.8 °C	on Feb 27 at hr 6	Hours in Service:	696	
Maximum Daily Value:	23.5 °C	on Feb 27	Hours of Data:	696	
Minimum Hourly Value:	21.6 °C	on Feb 19 at hr 16	Hours of Missing Data:	0	
Minimum Daily Value:	22.4 °C	on Feb 1	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
Feb 1	22.4	22.4	22.4	22.4	22.5	22.5	22.5	22.4	22.4	22.4	22.4	22.3	22.2	22.2	22.0	22.1	22.2	22.2	22.4	22.4	22.5	22.5	22.5	22.6	22.0	22.6	**22.4**
Feb 2	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.4	22.4	22.4	22.3	22.4	22.4	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.3	22.7	22.6
Feb 3	22.8	22.8	22.8	22.8	22.7	22.8	22.9	22.9	22.9	23.0	23.0	22.7	22.4	22.2	22.0	21.9	22.2	22.5	23.0	23.1	23.2	23.2	23.2	23.2	21.9	23.2	22.8
Feb 4	23.1	23.1	23.2	23.1	23.2	23.1	23.2	23.2	23.2	23.2	23.1	22.8	22.7	22.6	22.3	22.3	22.4	22.6	22.9	23.0	23.0	23.1	23.1	23.1	22.3	23.2	22.9
Feb 5	23.1	23.2	23.2	23.2	23.1	23.1	23.1	23.1	23.2	23.1	23.1	22.8	22.5	22.4	22.2	22.0	22.0	22.5	22.8	22.8	22.9	23.0	22.9	22.9	22.0	23.2	22.8
Feb 6	22.9	23.0	23.1	23.0	22.9	23.0	23.1	23.0	23.1	23.0	23.0	22.9	22.8	22.8	22.8	22.7	22.7	22.8	22.8	22.8	22.8	22.9	22.9	22.8	22.7	23.1	22.9
Feb 7	22.9	22.8	22.9	22.8	22.9	22.8	22.8	22.8	22.8	22.9	22.8	22.7	22.7	22.6	22.6	22.5	22.6	22.7	22.8	22.9	22.8	22.9	22.8	22.8	22.5	22.9	22.8
Feb 8	22.8	22.8	22.9	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.7	22.9	23.0	23.1	23.0	23.0	22.9	23.0	22.6	23.1	22.8
Feb 9	23.0	23.1	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.4	23.2	23.0	22.8	22.4	22.3	22.2	22.3	22.6	23.0	23.2	23.2	23.2	23.2	23.2	22.2	23.4	23.0
Feb 10	23.1	23.0	23.1	23.1	23.1	23.0	23.0	23.0	22.9	22.9	22.9	22.8	22.7	22.7	22.7	22.6	22.5	22.4	22.7	22.9	22.9	23.0	22.8	22.8	22.4	23.1	22.9
Feb 11	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	22.9	22.6	22.5	22.4	22.2	22.2	22.1	22.4	22.8	23.0	23.0	22.9	23.0	22.9	22.1	23.1	22.8
Feb 12	22.8	22.9	22.9	22.9	22.9	22.9	23.0	23.1	23.2	23.2	22.9	22.7	22.4	22.3	22.1	22.0	22.2	22.2	22.9	22.9	22.8	22.8	22.8	22.8	22.0	23.2	22.7
Feb 13	22.8	22.8	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.2	23.0	22.8	22.6	22.4	22.4	22.2	22.2	22.3	22.7	23.0	23.1	23.2	23.2	23.0	22.2	23.2	22.9
Feb 14	23.0	23.1	23.1	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.0	22.8	22.6	22.5	22.5	22.2	22.3	22.7	23.1	23.3	23.6	23.6	23.6	23.6	22.2	23.6	23.1
Feb 15	23.6	23.6	23.6	23.7	23.6	23.6	23.6	23.6	23.6	23.3	23.2	23.0	22.7	21.8	22.3	22.4	22.5	22.8	22.9	23.1	23.2	23.2	23.2	23.2	21.8	23.7	23.1
Feb 16	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.1	22.8	22.7	22.5	22.3	22.2	22.3	22.4	22.7	22.9	23.0	23.0	23.0	22.9	22.2	23.3	22.9
Feb 17	23.0	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.1	22.9	22.7	22.4	22.2	22.0	22.0	21.7	22.1	22.5	22.9	23.1	23.0	23.1	23.1	21.7	23.2	22.8
Feb 18	23.0	23.1	23.0	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.0	22.7	22.4	22.3	21.9	21.8	22.0	22.1	22.6	23.0	23.1	23.1	23.2	23.2	21.8	23.2	22.8
Feb 19	23.2	23.2	23.2	23.3	23.3	23.2	23.2	23.2	23.1	23.0	22.8	22.4	22.3	22.3	22.1	21.7	**21.6**	22.0	22.5	22.9	23.1	23.1	23.1	23.2	**21.6**	23.3	22.8
Feb 20	23.1	23.1	23.0	22.9	22.9	23.0	23.1	23.1	23.2	23.1	22.9	22.7	22.5	22.4	22.4	22.4	22.4	22.6	22.7	22.7	22.7	22.7	22.8	22.9	22.4	23.2	22.8
Feb 21	23.0	23.1	23.0	23.0	23.0	23.1	23.0	23.0	23.0	22.9	22.7	22.6	22.4	22.2	22.2	21.9	21.9	22.2	22.5	22.8	22.9	22.9	22.9	22.8	21.9	23.1	22.7
Feb 22	22.8	22.8	22.9	22.9	23.0	23.0	22.9	22.9	23.0	22.9	22.7	22.5	22.3	22.1	21.7	22.2	22.0	22.3	22.6	22.7	22.7	22.8	22.8	22.7	21.7	23.0	22.6
Feb 23	22.8	22.8	22.7	22.8	22.6	22.7	22.6	22.5	22.5	22.5	22.5	22.5	22.4	22.3	22.3	22.2	22.1	22.1	22.6	22.7	22.7	22.7	22.7	22.7	22.1	22.8	22.5
Feb 24	22.7	22.7	22.7	22.7	22.8	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.3	22.2	22.2	22.2	22.2	22.5	22.9	22.9	23.0	23.0	23.0	22.9	22.2	23.0	22.7
Feb 25	22.9	22.9	22.8	22.9	23.0	23.0	23.0	23.0	23.0	23.0	22.9	22.9	22.9	22.9	22.9	22.9	23.0	23.1	23.1	23.2	23.2	23.2	23.3	23.3	22.8	23.3	23.0
Feb 26	23.4	23.3	23.4	23.4	23.5	23.4	23.7	23.7	23.6	23.6	23.5	23.3	23.0	22.9	22.8	22.7	22.9	23.1	23.4	23.5	23.5	23.5	23.5	23.5	22.7	23.7	23.3
Feb 27	23.5	23.5	23.6	23.6	23.7	23.7	**23.8**	23.7	**23.8**	**23.8**	23.6	23.4	23.2	23.0	22.9	22.9	23.0	23.1	23.4	23.5	23.5	23.6	23.6	23.5	22.9	**23.8**	**23.5**
Feb 28	23.5	23.5	23.5	23.5	23.5	23.4	23.4	23.4	23.4	23.4	23.2	23.0	22.8	22.6	22.4	22.3	22.5	22.7	22.9	23.0	23.1	23.1	23.1	23.2	22.3	23.5	23.1
Feb 29	23.2	23.2	23.2	23.3	23.3	23.2	23.2	23.2	23.3	23.2	23.1	23.1	22.9	22.9	22.9	22.7	22.7	22.8	23.1	23.4	23.4	23.5	23.5	23.5	22.7	23.5	23.2
Diurnal Maximum	23.6	23.6	23.6	23.7	23.7	23.7	23.8	23.7	23.8	23.8	23.6	23.4	23.2	23.0	22.9	22.9	23.0	23.1	23.4	23.5	23.6	23.6	23.6	23.6			
Diurnal Average	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	22.9	22.8	22.6	22.5	22.4	22.3	22.3	22.5	22.8	23.0	23.0	23.0	23.0	23.0			

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 - February 2024

Summary of Hourly Averages

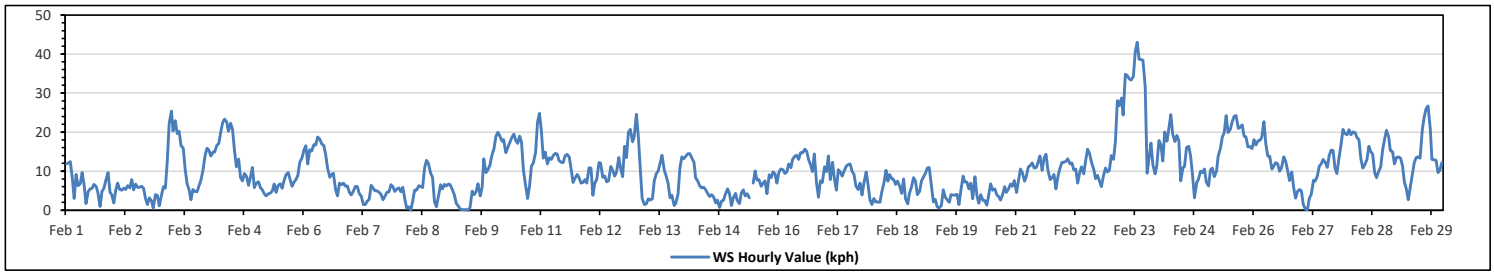
VECTOR WIND SPEED (VWS) in km/hr

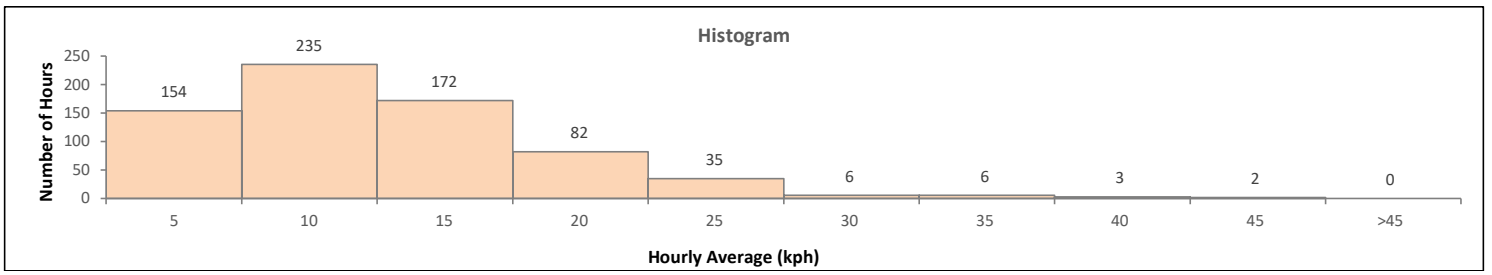
Maximum Hourly Value:	43.0	kph	on Feb 23 at hr 13	Hours in Service:	696
Maximum Daily Value:	26.1	kph	on Feb 23	Hours of Data:	695
Minimum Hourly Value:	0.0	kph	on Feb 8 at hr 6	Hours of Missing Data:	1
Minimum Daily Value:	4.4	kph	on Feb 7	Hours of Calibration:	0
Monthly Average:	2.0	kph		Operational 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			
Feb 1	11.9	12.1	12.4	8.4	3.0	9.2	6.3	6.8	9.6	6.5	1.7	4.8	5.4	5.6	6.6	6.0	4.5	1.0	4.8	5.6	7.7	9.6	4.5	4.1	1.0	12.4	6.6
Feb 2	1.9	5.2	7.0	5.3	5.1	5.6	5.3	6.3	5.7	7.8	5.2	6.7	5.9	5.9	6.1	5.6	3.0	1.5	3.2	2.3	0.5	4.0	3.8	1.1	0.5	7.8	4.6
Feb 3	3.5	6.0	5.6	12.5	22.3	25.4	20.3	22.9	19.7	20.2	16.5	15.9	10.4	6.8	5.3	2.7	5.3	4.8	4.7	6.2	7.7	10.0	13.9	15.9	2.7	25.4	11.9
Feb 4	15.4	13.9	14.9	14.9	16.6	17.1	20.0	22.4	23.3	22.5	20.2	22.3	20.6	15.3	11.1	13.1	8.3	7.5	9.4	8.6	6.4	8.5	11.0	5.8	5.8	23.3	14.5
Feb 5	7.0	7.3	5.8	5.2	4.2	3.7	4.2	4.3	4.9	6.7	4.6	6.3	6.8	5.6	7.6	9.1	9.7	8.1	6.1	7.2	7.9	8.9	12.3	13.4	3.7	13.4	7.0
Feb 6	15.4	16.5	11.9	15.5	15.2	16.8	16.7	18.8	18.3	16.9	16.6	14.2	10.7	8.4	9.1	9.5	5.2	3.6	6.9	6.5	7.0	6.2	6.2	4.6	3.6	18.8	11.5
Feb 7	3.9	4.8	6.1	6.0	4.2	3.7	1.5	1.5	2.4	2.8	6.4	5.7	5.0	5.0	4.5	4.1	2.7	3.6	4.6	4.7	6.5	6.0	4.8	5.4	1.5	6.5	**4.4**
Feb 8	5.7	4.7	5.9	2.6	0.5	0.9	**0.0**	2.4	5.1	5.1	6.3	6.0	5.8	10.8	12.7	12.0	9.5	8.4	2.2	0.9	3.8	6.5	5.5	6.6	**0.0**	12.7	5.4
Feb 9	6.2	6.7	6.5	5.2	4.0	1.8	1.1	0.2	0.1	0.1	0.1	**0.0**	0.7	4.9	4.0	4.7	6.8	3.7	5.9	13.2	9.6	10.4	11.4	13.9	**0.0**	13.9	5.1
Feb 10	15.8	18.9	20.0	19.1	17.7	18.1	14.7	16.1	17.3	18.5	19.5	17.9	17.1	19.0	17.4	10.2	6.8	3.0	6.1	11.3	12.1	14.8	22.5	24.8	3.0	24.8	15.8
Feb 11	20.4	13.3	14.9	11.8	13.4	13.0	14.0	14.6	14.3	12.7	12.3	12.2	13.9	14.3	13.6	10.6	7.1	8.2	9.2	8.5	6.9	7.1	7.8	7.0	6.9	20.4	11.7
Feb 12	10.9	10.8	3.8	7.0	7.9	12.2	12.1	8.4	8.8	7.3	7.5	11.2	10.2	8.8	9.8	13.5	11.0	8.6	16.4	13.5	20.0	20.7	17.5	18.7	3.8	20.7	11.5
Feb 13	24.6	18.9	10.8	3.0	1.5	1.6	2.9	2.6	2.9	7.6	9.3	10.1	12.0	14.1	10.3	8.8	6.9	3.2	3.8	1.2	1.8	4.1	10.8	13.7	1.2	24.6	7.8
Feb 14	13.2	13.9	14.5	14.5	13.4	12.3	8.3	7.4	6.2	5.7	5.9	5.3	4.2	3.5	4.0	3.4	1.9	2.6	0.7	2.4	2.5	4.1	5.4	4.2	0.7	14.5	6.6
Feb 15	1.2	3.2	4.3	2.5	1.7	4.4	5.2	3.7	4.2	3.2	**K**	7.0	10.1	7.7	7.9	6.1	6.9	7.5	4.2	9.1	8.3	9.8	9.3	7.0	1.2	10.1	5.8
Feb 16	9.7	10.5	10.4	9.4	9.8	11.9	10.9	13.0	13.8	14.1	13.0	14.7	14.7	15.6	15.2	13.0	11.4	9.9	14.4	6.9	3.3	7.5	7.1	11.1	3.3	15.6	11.3
Feb 17	9.9	13.9	7.8	12.3	8.5	5.1	10.4	9.8	8.8	10.2	11.3	11.7	11.8	10.0	9.2	6.2	5.3	6.9	3.9	7.0	9.8	7.2	2.6	1.5	1.5	13.9	8.4
Feb 18	3.0	2.1	2.1	2.0	4.7	6.8	10.2	7.4	9.2	8.1	7.8	6.6	7.4	6.1	4.3	8.0	2.9	1.6	4.2	6.0	8.3	7.5	4.0	4.8	1.6	10.2	5.6
Feb 19	7.5	8.5	9.4	10.8	11.0	6.9	2.1	2.8	0.9	0.6	1.2	5.2	3.4	2.7	2.0	4.0	3.9	3.8	4.1	1.4	5.6	8.8	7.3	7.2	0.6	11.0	5.0
Feb 20	5.5	6.9	2.9	8.6	3.8	1.8	4.0	2.5	2.5	1.3	3.9	6.8	5.1	5.4	4.0	3.5	2.6	3.9	6.0	4.6	5.4	6.7	6.1	7.6	1.3	8.6	4.6
Feb 21	4.6	7.5	10.6	9.6	7.4	8.5	11.1	11.4	12.1	10.8	11.0	12.5	13.9	10.2	13.3	14.3	10.3	7.8	8.3	9.2	5.5	8.9	10.9	12.3	4.6	14.3	10.1
Feb 22	12.3	12.6	13.2	11.9	12.1	10.3	10.5	6.9	9.9	11.1	9.3	12.7	15.6	14.6	12.0	10.6	8.1	8.9	7.3	6.0	9.0	10.8	9.8	10.2	6.0	15.6	10.7
Feb 23	14.0	13.0	17.7	28.1	26.8	28.8	24.4	34.8	34.5	33.7	33.4	34.2	40.7	**43.0**	38.7	38.6	38.4	31.7	9.5	13.3	17.2	11.6	9.3	11.2	9.3	**43.0**	**26.1**
Feb 24	17.9	16.8	12.6	20.1	17.7	20.9	24.5	19.5	17.6	19.2	17.9	7.5	10.9	11.2	16.0	16.4	13.8	8.9	3.2	7.1	7.9	10.0	9.7	10.6	3.2	24.5	14.1
Feb 25	7.2	6.2	10.3	10.8	8.6	10.1	13.8	15.8	18.8	19.9	24.2	19.9	20.7	22.7	24.1	24.3	20.9	21.2	21.8	19.0	18.8	16.2	16.3	15.8	6.2	24.3	17.0
Feb 26	18.1	16.7	17.9	17.9	18.6	22.7	17.0	13.9	13.8	10.5	11.2	12.2	11.8	10.0	10.9	13.6	12.5	10.2	7.6	9.8	5.8	3.1	4.8	5.3	3.1	22.7	12.3
Feb 27	5.0	1.5	0.2	0.1	3.1	4.1	7.7	7.4	8.8	11.3	11.8	13.0	12.2	11.0	14.0	15.4	15.3	10.9	9.4	13.7	16.8	20.7	19.7	19.3	0.1	20.7	10.5
Feb 28	20.6	19.3	20.1	19.9	18.7	18.0	13.2	10.8	11.6	13.0	16.4	15.2	14.3	9.7	8.3	9.8	11.1	15.5	18.2	20.5	18.7	15.3	15.0	11.9	8.3	20.6	15.2
Feb 29	13.5	13.7	13.3	11.5	7.2	5.5	2.7	6.2	8.8	12.3	13.5	13.6	13.3	20.6	23.9	26.0	26.7	20.7	13.0	12.9	12.8	9.6	10.2	12.2	2.7	26.7	13.5
Diurnal Maximum	24.6	19.3	20.1	28.1	26.8	28.8	24.5	34.8	34.5	33.7	33.4	34.2	40.7	43.0	38.7	38.6	38.4	31.7	21.8	20.5	20.0	20.7	22.5	24.8			
Diurnal Average	10.5	10.5	10.1	10.6	10.0	10.6	10.2	10.4	10.8	11.0	11.4	11.4	11.5	11.3	11.2	11.1	9.6	8.2	7.6	8.2	8.7	9.5	9.6	9.9			

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.



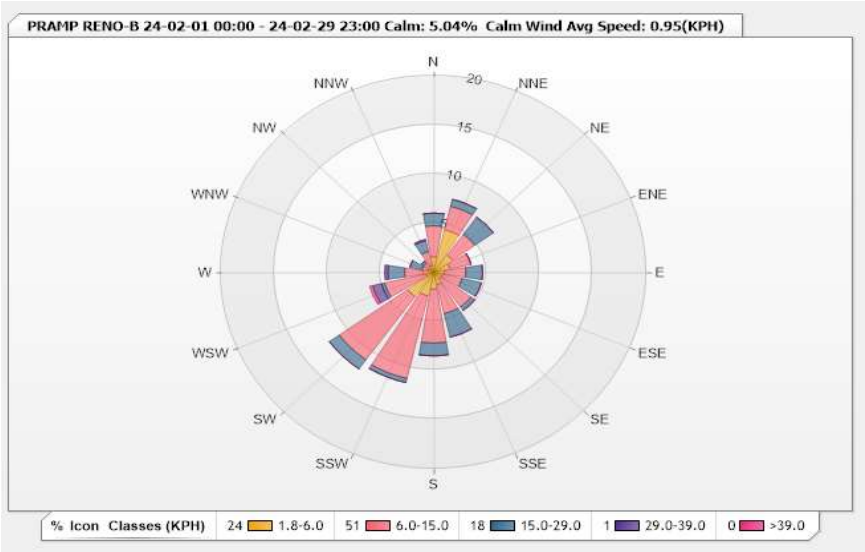


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 02-2024

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

Calm (WS<1.8kph): 5.04% Valid Data: 99.86%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.58	3.17	1.29	0	0	6.04
NNE	4.46	2.45	0.72	0	0	7.63
NE	2.16	2.59	2.16	0	0	6.91
ENE	1.58	2.01	0	0	0	3.59
E	1.01	2.01	1.58	0	0	4.6
ESE	0.86	1.87	1.87	0	0	4.6
SE	0.86	3.45	0.43	0	0	4.74
SSE	1.29	3.02	2.45	0	0	6.76
S	1.73	5.47	1.29	0	0	8.49
SSW	2.45	8.63	0.43	0	0	11.51
SW	3.02	7.91	1.15	0	0	12.08
WSW	0.72	4.03	0.29	0.86	0.29	6.19
W	1.01	1.73	1.58	0.29	0	4.61
WNW	0.58	0.58	1.15	0	0	2.31
NW	0.43	0.72	0.29	0	0	1.44
NNW	0.72	1.44	1.15	0.14	0	3.45
Summary	24.46	51.08	17.83	1.29	0.29	94.95



Peace River Area Monitoring Program

Reno-B Station - February 2024

Summary of Hourly Averages

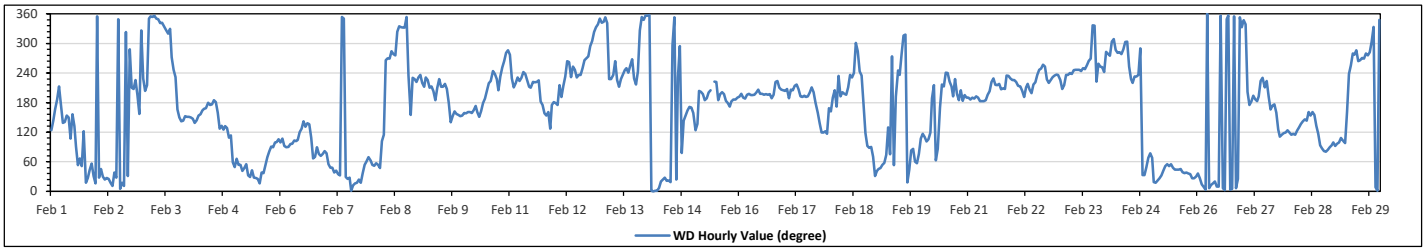
WIND DIRECTION (VWD) in sector

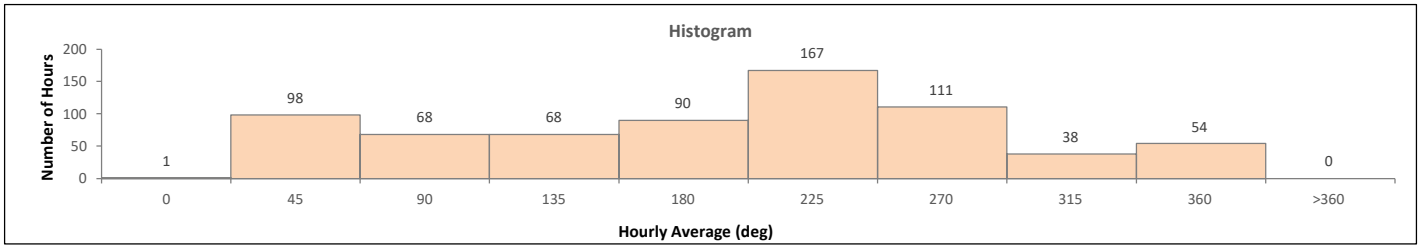
Monthly Average:	203 (SSW)	degree	
Hours in Service:	696		
Hours of Data:	695		
Hours of Missing Data:	1		
Hours of Calibration:	0		
Operational Uptime:	99.9		

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
Feb 1	ESE	SE	SSE	S	SSW	S	SE	SE	SSE	SSE	ESE	SSE	SE	E	NE	ENE	NE	ESE	NNE	NNE	NE	NE	NNE	NNE	118	ESE
Feb 2	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNE	NNW	N	NNE	NNE	NW	NNE	WNW	SSW	SSW	SW	SSW	SSE	NW	17	NNE
Feb 3	SW	SSW	SSW	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NW	NNW	W	WSW	SW	SSE	SSE	SE	SE	SSE	SSE	343	NNW
Feb 4	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSE	SE	SE	SE	SE	SE	ESE	ESE	ENE	155	SSE
Feb 5	NE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	E	E	E	E	E	ESE	61	ENE
Feb 6	E	ESE	E	E	E	E	E	ESE	E	ESE	ESE	SE	SE	SE	SE	SE	ESE	ENE	ENE	E	ENE	ENE	ENE	E	103	ESE
Feb 7	ENE	NE	NE	NE	NE	NE	NE	NNE	N	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	37	NE
Feb 8	NE	NE	ENE	NE	NE	E	ESE	W	W	W	WNW	W	W	NW	NNW	NNW	NNW	NNW	N	SW	SSE	SW	SW	SW	311	NW
Feb 9	SW	SW	SW	SSW	SW	SW	SSW	SSW	SSW	S	SSW	SW	SSW	SSW	SW	SSW	S	SE	SSE	SSE	SSE	SSE	SSE	SSE	180	S
Feb 10	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	S	S	SSW	SW	SW	WSW	SW	SW	SSW	SW	WSW	W	W	WNW	196	SSW
Feb 11	W	SW	SSW	SW	SW	SW	SW	WSW	SW	SW	SSW	SSW	SW	SW	SW	SW	S	S	SSE	SSE	SSE	SE	S	S	216	SW
Feb 12	S	S	SSW	S	SSW	SW	W	W	SW	WSW	WSW	SW	SW	SW	WSW	W	W	W	WNW	WNW	NW	NNW	NNW	N	271	W
Feb 13	NNW	NNW	N	NNW	SW	SW	SW	W	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	W	SW	SW	WSW	NW	N	NNW	N	290	WNW
Feb 14	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	WNW	N	NNE	SW	WNW	ENE	SE	SSE	SSE	S	SSE	7	N
Feb 15	SSE	ESE	SE	SSW	SSW	SSW	S	S	SSW	SSW	K	SW	SW	S	SSW	SSW	SSW	S	S	S	S	S	S	S	190	S
Feb 16	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	SSW	SSW	SSW	198	SSW
Feb 17	SSW	SSW	S	SSW	SSW	SSW	SW	SSW	S	S	SSW	S	S	SSW	SSW	SSW	S	SSE	SE	ESE	ESE	ESE	ESE	SSE	189	S
Feb 18	SSE	S	SSW	S	SW	S	SSW	SSW	SSW	SSW	SW	SW	WNW	WNW	WNW	WSW	SW	S	ESE	E	E	E	ENE	NNE	201	SSW
Feb 19	NE	NE	NE	NE	ENE	ENE	SE	ENE	W	NE	S	WSW	SW	W	NW	NW	NNE	NE	E	E	ENE	ENE	ENE	ESE	56	NE
Feb 20	ESE	ESE	E	ESE	ESE	S	SSW	ENE	E	SSE	SW	SSW	WSW	WSW	SW	SSW	S	SW	SSW	S	SSW	S	SSW	S	182	S
Feb 21	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	SW	205	SSW
Feb 22	SW	SW	SSW	SSW	SSW	S	SSW	SW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	225	SW
Feb 23	SW	SSW	SSW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	NNW	NNW	SW	WSW	WSW	WSW	WSW	250	WSW
Feb 24	W	W	W	WNW	NW	WNW	W	W	W	WNW	WNW	WNW	WSW	SW	SW	SW	SW	SW	WNW	NNE	NNE	NE	ENE	ENE	282	W
Feb 25	ENE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	40	NE
Feb 26	NE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	N	N	N	NNE	N	NNW	8	N
Feb 27	NNW	NNW	SSW	S	S	SSW	S	S	S	SW	SW	SSW	SW	S	SSE	S	S	SSE	SE	ESE	ESE	ESE	ESE	ESE	162	SSE
Feb 28	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ESE	E	E	E	E	E	E	E	E	117	ESE
Feb 29	E	E	E	ESE	ESE	E	SSE	SW	WSW	W	W	WNW	W	W	W	W	W	W	WNW	NNW	N	N	NNW		287	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 - February 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	43.0	kph	on Feb 23 at hr 13	Hours in Service:	696
Maximum Daily Value:	26.1	kph	on Feb 23	Hours of Data:	695
Minimum Hourly Value:	0.0	kph	on Feb 8 at hr 6	Hours of Missing Data:	1
Minimum Daily Value:	4.4	kph	on Feb 7	Hours of Calibration:	0
Monthly Average:	2.0	kph		Operational Uptime:	99.9

WIND DIRECTION

Monthly Average: 203 degree (SSW)

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			
Feb 1	11.9	12.1	12.4	8.4	3.0	9.2	6.3	6.8	9.6	6.5	1.7	4.8	5.4	5.6	6.6	6.0	4.5	1.0	4.8	5.6	7.7	9.6	4.5	4.1	1.0	12.4	6.6
	ESE	SE	SSE	S	SSW	S	SE	SE	SSE	SSE	ESE	SSE	SE	E	NE	ENE	NE	ESE	NNE	NNE	NE	NE	NNE	NNE			118(ESE)
Feb 2	1.9	5.2	7.0	5.3	5.1	5.6	5.3	6.3	5.7	7.8	5.2	6.7	5.9	5.9	6.1	5.6	3.0	1.5	3.2	2.3	0.5	4.0	3.8	1.1	0.5	7.8	4.6
	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNE	NNW	N	NNE	NNE	NW	NNE	WNW	SSW	SSW	SW	SSW	SSE	NW			17(NNE)
Feb 3	3.5	6.0	5.6	12.5	22.3	25.4	20.3	22.9	19.7	20.2	16.5	15.9	10.4	6.8	5.3	2.7	5.3	4.8	4.7	6.2	7.7	10.0	13.9	15.9	2.7	25.4	11.9
	SW	SSW	SSW	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NW	NNW	W	WSW	SW	SSE	SSE	SE	SE	SSE	SSE			343(NNW)
Feb 4	15.4	13.9	14.9	14.9	16.6	17.1	20.0	22.4	23.3	22.5	20.2	22.3	20.6	15.3	11.1	13.1	8.3	7.5	9.4	8.6	6.4	8.5	11.0	5.8	5.8	23.3	14.5
	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSE	SE	SE	SE	SE	SE	ESE	ESE	ENE			155(SSE)
Feb 5	7.0	7.3	5.8	5.2	4.2	3.7	4.2	4.3	4.9	6.7	4.6	6.3	6.8	5.6	7.6	9.1	9.7	8.1	6.1	7.2	7.9	8.9	12.3	13.4	3.7	13.4	7.0
	NE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	E	E	E	E	E	ESE			61(ENE)
Feb 6	15.4	16.5	11.9	15.5	15.2	16.8	16.7	18.8	18.3	16.9	16.6	14.2	10.7	8.4	9.1	9.5	5.2	3.6	6.9	6.5	7.0	6.2	6.2	4.6	3.6	18.8	11.5
	E	ESE	E	E	E	E	E	ESE	E	ESE	ESE	SE	SE	SE	SE	SE	ESE	ENE	ENE	E	ENE	ENE	ENE	E			103(ESE)
Feb 7	3.9	4.8	6.1	6.0	4.2	3.7	1.5	1.5	2.4	2.8	6.4	5.7	5.0	5.0	4.5	4.1	2.7	3.6	4.6	4.7	6.5	6.0	4.8	5.4	1.5	6.5	**4.4**
	ENE	NE	NE	NE	NE	NE	NE	NNE	N	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE			37(NE)
Feb 8	5.7	4.7	5.9	2.6	0.5	0.9	**0.0**	2.4	5.1	5.1	6.3	6.0	5.8	10.8	12.7	12.0	9.5	8.4	2.2	0.9	3.8	6.5	5.5	6.6	**0.0**	12.7	5.4
	NE	NE	ENE	NE	NE	E	ESE	W	W	W	WNW	W	W	NW	NNW	NNW	NNW	NNW	N	SW	SSE	SW	SW	SW			311(NW)
Feb 9	6.2	6.7	6.5	5.2	4.0	1.8	1.1	0.2	0.1	0.1	0.1	**0.0**	0.7	4.9	4.0	4.7	6.8	3.7	5.9	13.2	9.6	10.4	11.4	13.9	**0.0**	13.9	5.1
	SW	SW	SW	SSW	SW	SW	SSW	SSW	SSW	S	SSW	SW	SSW	SSW	SW	SSW	S	SE	SSE	SSE	SSE	SSE	SSE	SSE			180(S)
Feb 10	15.8	18.9	20.0	19.1	17.7	18.1	14.7	16.1	17.3	18.5	19.5	17.9	17.1	19.0	17.4	10.2	6.8	3.0	6.1	11.3	12.1	14.8	22.5	24.8	3.0	24.8	15.8
	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	S	S	SSW	SW	SW	WSW	SW	SW	SSW	SW	WSW	W	W	WNW			196(SSW)
Feb 11	20.4	13.3	14.9	11.8	13.4	13.0	14.0	14.6	14.3	12.7	12.3	12.2	13.9	14.3	13.6	10.6	7.1	8.2	9.2	8.5	6.9	7.1	7.8	7.0	6.9	20.4	11.7
	W	SW	SSW	SW	SW	SW	SW	WSW	SW	SW	SSW	SSW	SW	SW	SW	SW	S	S	SSE	SSE	SSE	SE	S	S			216(SW)
Feb 12	10.9	10.8	3.8	7.0	7.9	12.2	12.1	8.4	8.8	7.3	7.5	11.2	10.2	8.8	9.8	13.5	11.0	8.6	16.4	13.5	20.0	20.7	17.5	18.7	3.8	20.7	11.5
	S	S	SSW	S	SSW	SW	W	W	SW	WSW	WSW	SW	SW	SW	WSW	W	W	W	WNW	WNW	NW	NNW	NNW	N			271(W)
Feb 13	24.6	18.9	10.8	3.0	1.5	1.6	2.9	2.6	2.9	7.6	9.3	10.1	12.0	14.1	10.3	8.8	6.9	3.2	3.8	1.2	1.8	4.1	10.8	13.7	1.2	24.6	7.8
	NNW	NNW	N	NNW	SW	SW	SW	W	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	W	SW	SW	WSW	NW	N	NNW	N			290(WNW)
Feb 14	13.2	13.9	14.5	14.5	13.4	12.3	8.3	7.4	6.2	5.7	5.9	5.3	4.2	3.5	4.0	3.4	1.9	2.6	0.7	2.4	2.5	4.1	5.4	4.2	0.7	14.5	6.6
	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	WNW	N	NNE	SW	WNW	ENE	SE	SSE	SSE	S	SSE			7(N)
Feb 15	1.2	3.2	4.3	2.5	1.7	4.4	5.2	3.7	4.2	3.2	**K**	7.0	10.1	7.7	7.9	6.1	6.9	7.5	4.2	9.1	8.3	9.8	9.3	7.0	1.2	10.1	5.8
	SSE	ESE	SE	SSW	SSW	SSW	S	S	SSW	SSW	**K**	SW	SW	S	SSW	SSW	SSW	S	S	S	S	S	S	S			190(S)
Feb 16	9.7	10.5	10.4	9.4	9.8	11.9	10.9	13.0	13.8	14.1	13.0	14.7	14.7	15.6	15.2	13.0	11.4	9.9	14.4	6.9	3.3	7.5	7.1	11.1	3.3	15.6	11.3
	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	SSW	SSW	SSW			198(SSW)
Feb 17	9.9	13.9	7.8	12.3	8.5	5.1	10.4	9.8	8.8	10.2	11.3	11.7	11.8	10.0	9.2	6.2	5.3	6.9	3.9	7.0	9.8	7.2	2.6	1.5	1.5	13.9	8.4
	SSW	SSW	S	SSW	SSW	SSW	SW	SSW	S	S	SSW	S	S	SSW	SSW	SSW	S	SSE	SE	ESE	ESE	ESE	ESE	SSE			189(S)
Feb 18	3.0	2.1	2.1	2.0	4.7	6.8	10.2	7.4	9.2	8.1	7.8	6.6	7.4	6.1	4.3	8.0	2.9	1.6	4.2	6.0	8.3	7.5	4.0	4.8	1.6	10.2	5.6
	SSE	S	SSW	S	SW	S	SSW	SSW	SSW	SSW	SW	SW	WSW	WNW	WNW	WSW	SW	S	ESE	E	E	E	ENE	NNE			201(SSW)
Feb 19	7.5	8.5	9.4	10.8	11.0	6.9	2.1	2.8	0.9	0.6	1.2	5.2	3.4	2.7	2.0	4.0	3.9	3.8	4.1	1.4	5.6	8.8	7.3	7.2	0.6	11.0	5.0
	NE	NE	NE	NE	ENE	ENE	SE	ENE	W	NE	S	WSW	SW	W	NW	NW	NNE	NE	E	E	ENE	ENE	ENE	ESE			56(NE)
Feb 20	5.5	6.9	2.9	8.6	3.8	1.8	4.0	2.5	2.5	1.3	3.9	6.8	5.1	5.4	4.0	3.5	2.6	3.9	6.0	4.6	5.4	6.7	6.1	7.6	1.3	8.6	4.6
	ESE	ESE	E	ESE	ESE	S	SSW	ENE	E	SSE	SW	SSW	WSW	WSW	SW	SSW	S	SW	SSW	S	SSW	S	SSW	S			182(S)
Feb 21	4.6	7.5	10.6	9.6	7.4	8.5	11.1	11.4	12.1	10.8	11.0	12.5	13.9	10.2	13.3	14.3	10.3	7.8	8.3	9.2	5.5	8.9	10.9	12.3	4.6	14.3	10.1
	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	SW			205(SSW)
Feb 22	12.3	12.6	13.2	11.9	12.1	10.3	10.5	6.9	9.9	11.1	9.3	12.7	15.6	14.6	12.0	10.6	8.1	8.9	7.3	6.0	9.0	10.8	9.8	10.2	6.0	15.6	10.7
	SW	SW	SSW	SSW	SSW	S	SSW	SW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW			225(SW)
Feb 23	14.0	13.0	17.7	28.1	26.8	28.8	24.4	34.8	34.5	33.7	33.4	34.2	40.7	**43.0**	38.7	38.6	38.4	31.7	9.5	13.3	17.2	11.6	9.3	11.2	9.3	**43.0**	**26.1**
	SW	SSW	SSW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	NNW	NNW	SW	WSW	WSW	WSW	WSW			250(WSW)
Feb 24	17.9	16.8	12.6	20.1	17.7	20.9	24.5	19.5	17.6	19.2	17.9	7.5	10.9	11.2	16.0	16.4	13.8	8.9	3.2	7.1	7.9	10.0	9.7	10.6	3.2	24.5	14.1
	W	W	W	WNW	NW	WNW	W	W	W	WNW	WNW	WNW	WSW	SW	SW	SW	SW	SW	WNW	NNE	NNE	NE	ENE	ENE			282(W)
Feb 25	7.2	6.2	10.3	10.8	8.6	10.1	13.8	15.8	18.8	19.9	24.2	19.9	20.7	22.7	24.1	24.3	20.9	21.2	21.8	19.0	18.8	16.2	16.3	15.8	6.2	24.3	17.0
	ENE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE			40(NE)
Feb 26	18.1	16.7	17.9	17.9	18.6	22.7	17.0	13.9	13.8	10.5	11.2	12.2	11.8	10.0	10.9	13.6	12.5	10.2	7.6	9.8	5.8	3.1	4.8	5.3	3.1	22.7	12.3
	NE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	N	N	N	NNE	N	NNW			8(N)
Feb 27	5.0	1.5	0.2	0.1	3.1	4.1	7.7	7.4	8.8	11.3	11.8	13.0	12.2	11.0	14.0	15.4	15.3	10.9	9.4	13.7	16.8	20.7	19.7	19.3	0.1	20.7	10.5
	NNW	NNW	SSW	S	S	SSW	S	S	S	SW	SW	SSW	SW	S	SSE	S	S	SSE	SE	ESE	ESE	ESE	ESE	ESE			162(SSE)
Feb 28	20.6	19.3	20.1	19.9	18.7	18.0	13.2	10.8	11.6	13.0	16.4	15.2	14.3	9.7	8.3	9.8	11.1	15.5	18.2	20.5	18.7	15.3	15.0	11.9	8.3	20.6	15.2
	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ESE	E	E	E	E	E	E	E	E			117(ESE)
Feb 29	13.5	13.7	13.3	11.5	7.2	5.5	2.7	6.2	8.8	12.3	13.5	13.6	13.3	20.6	23.9	26.0	26.7	20.7	13.0	12.9	12.8	9.6	10.2	12.2	2.7	26.7	13.5
	E	E	E	ESE	ESE	E	SSE	SW	WSW	W	W	WNW	W	W	W	W	W	W	W	WNW	NNW	N	N	NNW			287(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 - February 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

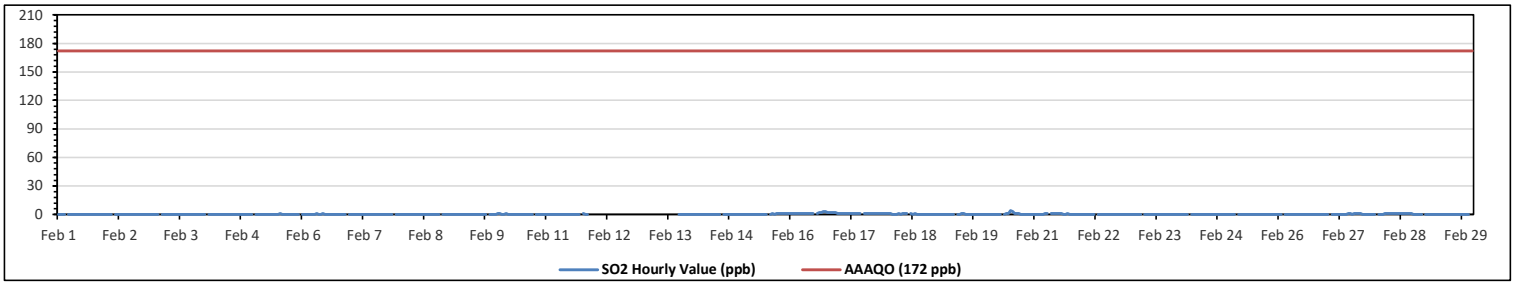
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

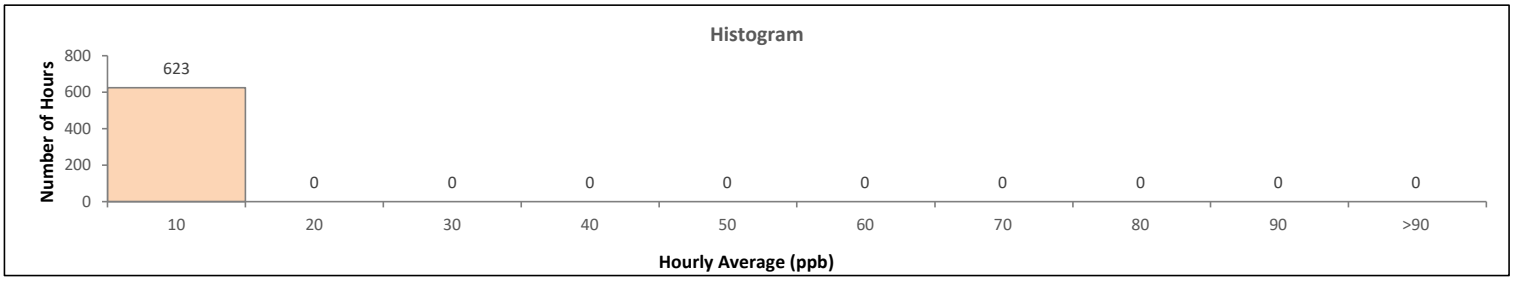
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	4	ppb	on Feb 20 at hr 12	Hours in Service:	696		
Maximum Daily Value:	1.5	ppb	on Feb 16	Hours of Data:	623		
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	37		
Minimum Daily Value:	0.0	ppb	on Feb 1	Hours of Calibration:	36		
Monthly Average:	0.2	ppb		Operational Uptime:	94.7		

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			
Feb 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
Feb 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
Feb 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
Feb 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
Feb 5	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	S	0	1	0.0
Feb 6	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.1
Feb 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
Feb 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
Feb 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
Feb 10	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.1
Feb 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	X	X	X	0	1	0.1
Feb 12	X	X	X	X	X	X	X	X	X	C	C	C	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Feb 13	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	0	0	0	0	0	0	0	0	0	NA
Feb 14	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
Feb 15	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0	1	1	1	1	1	1	1	0	1	0.3
Feb 16	1	1	1	1	1	1	1	1	1	1	1	1	S	1	2	2	3	3	2	2	2	2	2	1	1	3	1.5
Feb 17	1	1	1	1	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0
Feb 18	1	1	0	0	0	1	0	1	1	1	S	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Feb 19	0	0	0	0	0	0	0	0	0	S	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 20	0	0	0	0	0	0	0	0	S	0	1	1	4	3	1	1	1	0	0	0	0	0	0	0	0	4	0.5
Feb 21	0	0	0	0	0	1	1	S	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0.4
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 27	0	S	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0.3
Feb 28	S	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	S	0	1	0.6
Feb 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
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	1	4	3	2	2	3	3	2	2	2	2	2	1			
Diurnal Average	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	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.



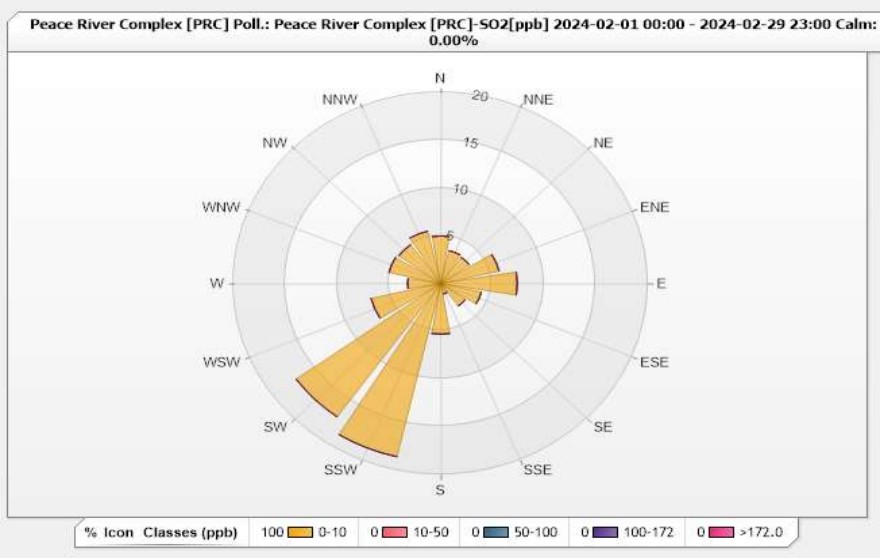


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 89.51% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	4.98	0	0	0	0	4.98
NNE	3.53	0	0	0	0	3.53
NE	3.37	0	0	0	0	3.37
ENE	5.78	0	0	0	0	5.78
E	7.38	0	0	0	0	7.38
ESE	4.01	0	0	0	0	4.01
SE	2.89	0	0	0	0	2.89
SSE	1.12	0	0	0	0	1.12
S	5.3	0	0	0	0	5.3
SSW	18.62	0	0	0	0	18.62
SW	17.17	0	0	0	0	17.17
WSW	6.9	0	0	0	0	6.9
W	3.21	0	0	0	0	3.21
WNW	5.14	0	0	0	0	5.14
NW	4.98	0	0	0	0	4.98
NNW	5.62	0	0	0	0	5.62
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

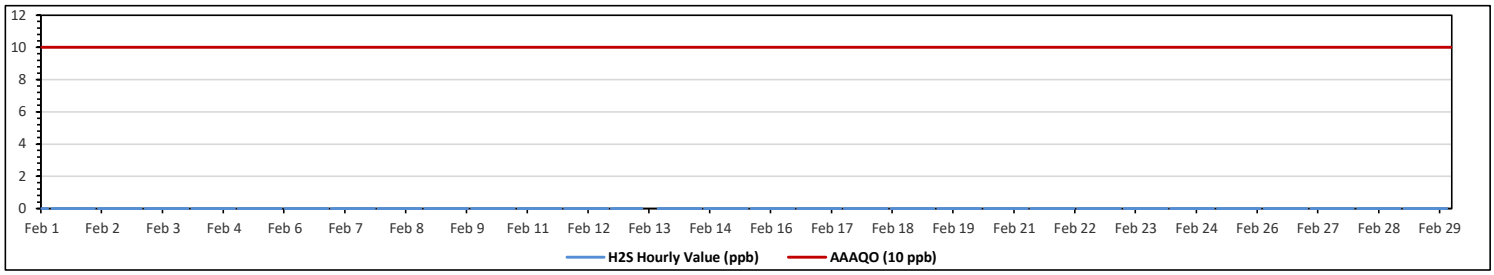
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb

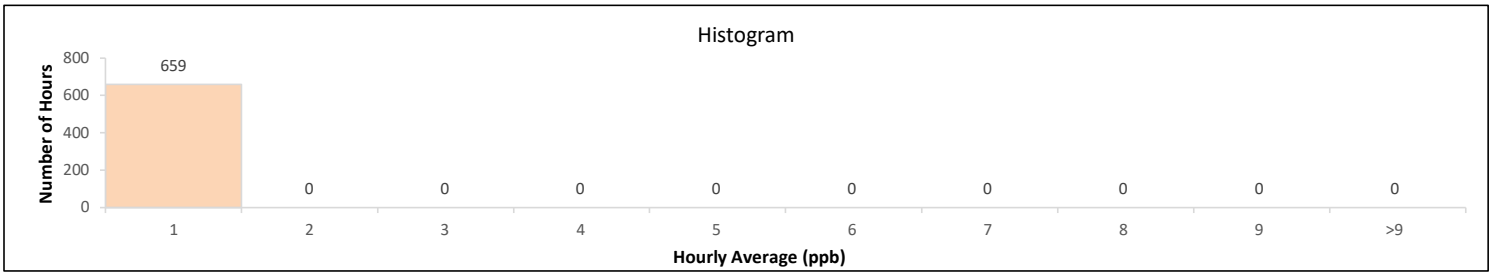
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0		
Maximum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours in Service:	696	
Maximum Daily Value:	0.0	ppb	on Feb 1	Hours of Data:	659	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 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			
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 10	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
Feb 11	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
Feb 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
Feb 13	0	0	0	0	0	0	0	0	0	C	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	0	-
Feb 14	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
Feb 15	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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 28	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
Feb 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
Diurnal Maximum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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.



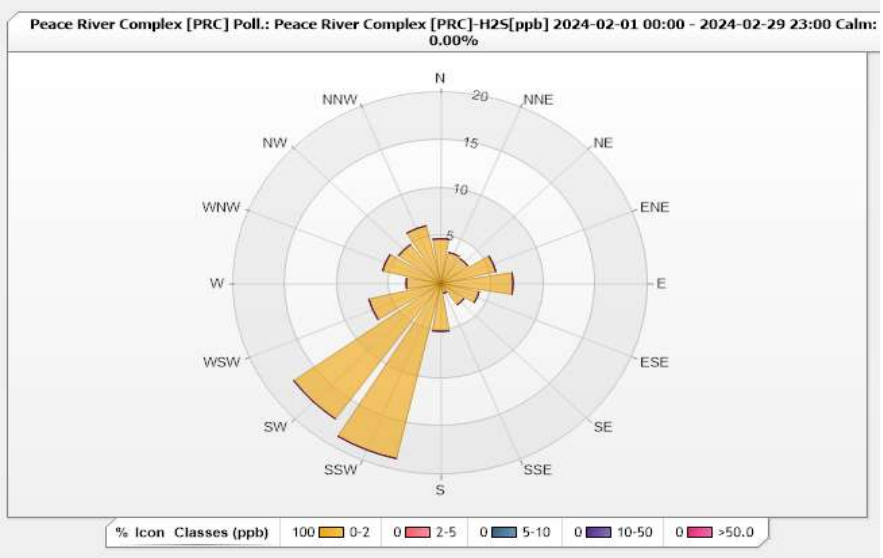


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.68% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.7	0	0	0	0	4.7
NNE	3.34	0	0	0	0	3.34
NE	3.19	0	0	0	0	3.19
ENE	5.46	0	0	0	0	5.46
E	6.98	0	0	0	0	6.98
ESE	3.79	0	0	0	0	3.79
SE	2.73	0	0	0	0	2.73
SSE	1.06	0	0	0	0	1.06
S	5.01	0	0	0	0	5.01
SSW	18.82	0	0	0	0	18.82
SW	17.45	0	0	0	0	17.45
WSW	7.13	0	0	0	0	7.13
W	3.34	0	0	0	0	3.34
WNW	5.77	0	0	0	0	5.77
NW	5.01	0	0	0	0	5.01
NNW	6.22	0	0	0	0	6.22
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

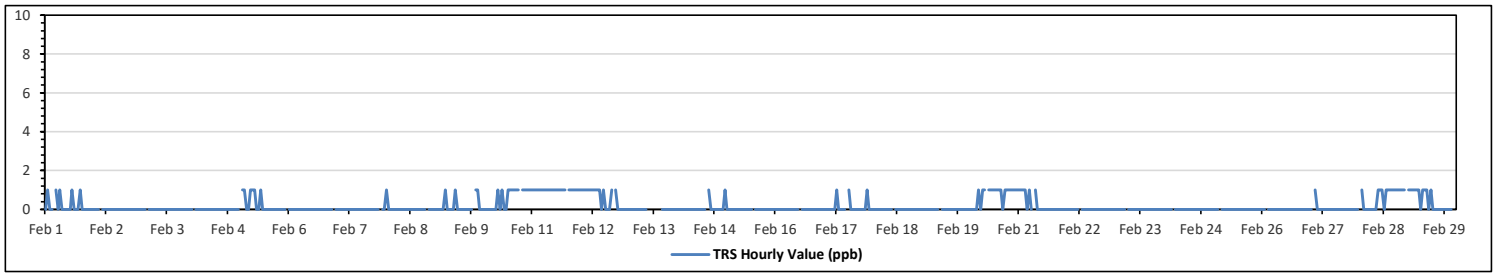
TOTAL REDUCED SULPHUR (TRS) in ppb

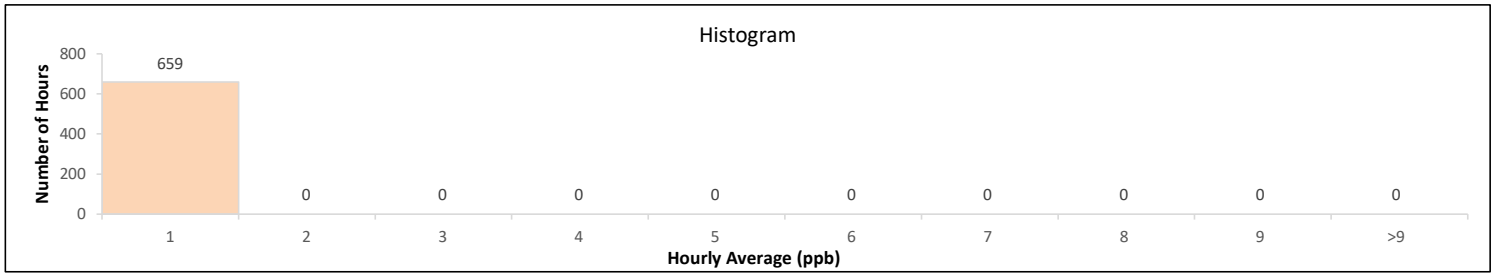
Maximum Hourly Value:	1	ppb	on Feb 1 at hr 1	Hours in Service:	696
Maximum Daily Value:	1.0	ppb	on Feb 11	Hours of Data:	659
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	37
Monthly Average:	0.2	ppb		Operational Uptime:	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			
Feb 1	0	1	0	0	S	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0.2
Feb 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
Feb 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
Feb 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
Feb 5	S	1	1	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.3
Feb 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
Feb 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
Feb 8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.0
Feb 9	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	S	1	1	0	0	0	1	0.2
Feb 10	0	0	0	0	0	0	0	1	0	1	0	0	1	1	1	1	1	1	S	1	1	1	1	1	0	1	0.6
Feb 11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	1	1	1	1	1	1	1	1.0
Feb 12	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	S	1	0	0	0	0	0	0	0	1	0.6
Feb 13	0	0	0	0	0	0	0	0	0	C	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	0	NA
Feb 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	1	0	1	0.1
Feb 15	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
Feb 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
Feb 17	0	0	0	0	0	0	1	0	0	0	0	S	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0.1
Feb 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
Feb 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
Feb 20	0	0	0	0	1	0	1	1	S	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0.7
Feb 21	1	1	1	1	0	1	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 27	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
Feb 28	S	1	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	S	0	1	0.6
Feb 29	1	1	1	1	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.4
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	0.1	0.1	0.3	0.2	0.3	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	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.



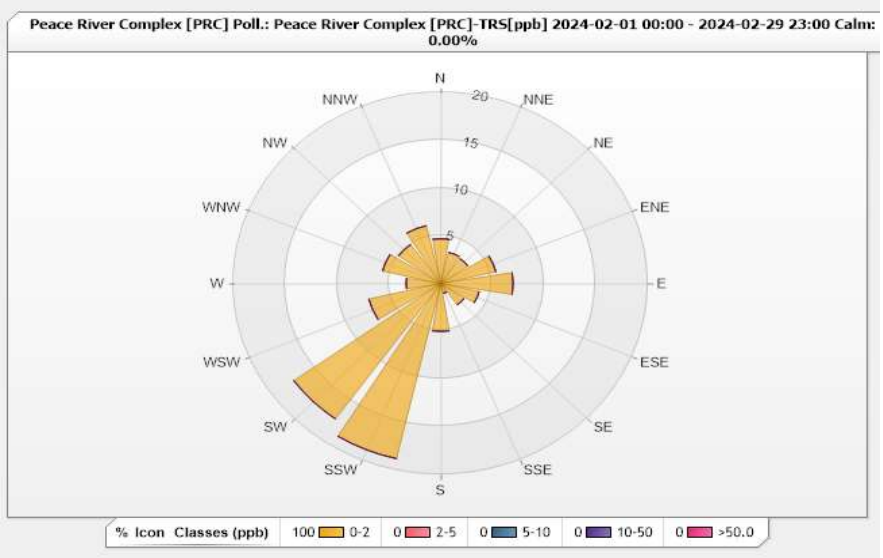


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.68% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.7	0	0	0	0	4.7
NNE	3.34	0	0	0	0	3.34
NE	3.19	0	0	0	0	3.19
ENE	5.46	0	0	0	0	5.46
E	6.98	0	0	0	0	6.98
ESE	3.79	0	0	0	0	3.79
SE	2.73	0	0	0	0	2.73
SSE	1.06	0	0	0	0	1.06
S	5.01	0	0	0	0	5.01
SSW	18.82	0	0	0	0	18.82
SW	17.45	0	0	0	0	17.45
WSW	7.13	0	0	0	0	7.13
W	3.34	0	0	0	0	3.34
WNW	5.77	0	0	0	0	5.77
NW	5.01	0	0	0	0	5.01
NNW	6.22	0	0	0	0	6.22
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

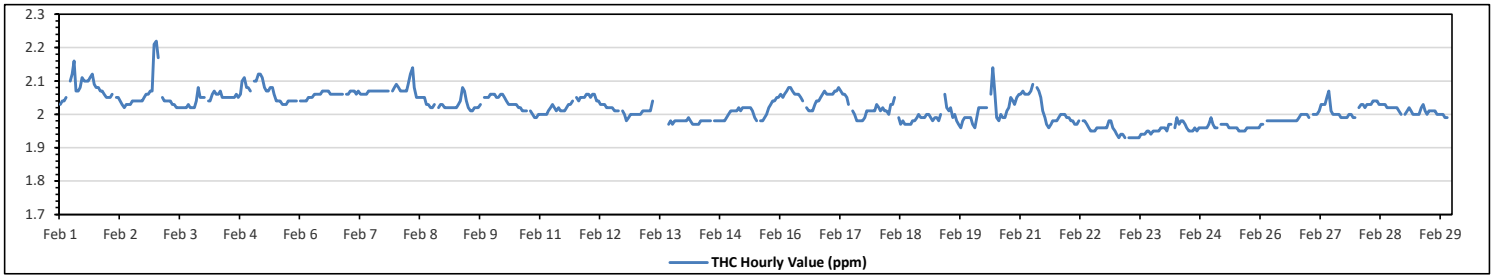
TOTAL HYDROCARBONS (THC) in ppm

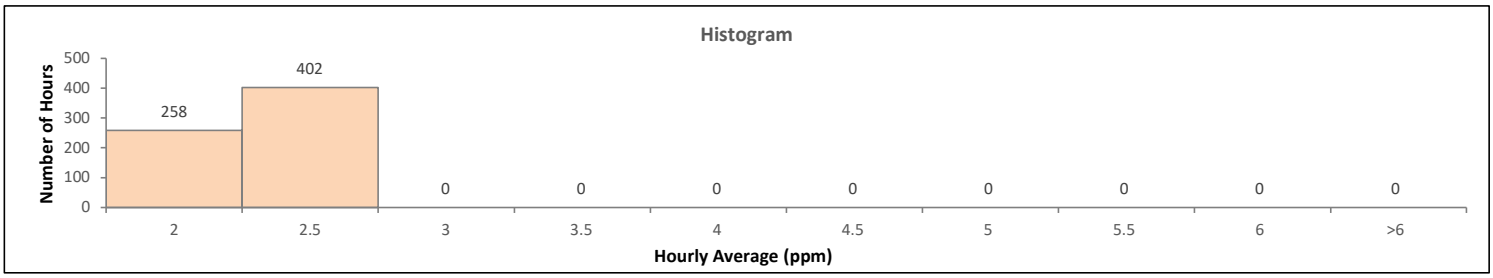
Maximum Hourly Value:	2.22	ppm	on Feb 3 at hr 0	Hours in Service:	696
Maximum Daily Value:	2.08	ppm	on Feb 1	Hours of Data:	660
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 1	Hours of Missing Data:	0
Minimum Daily Value:	1.94	ppm	on Feb 23	Hours of Calibration:	36
Monthly Average:	2.02	ppm		Operational 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			
Feb 1	2.03	2.04	2.04	2.05	S	2.10	2.12	2.16	2.07	2.07	2.08	2.11	2.10	2.10	2.10	2.11	2.12	2.09	2.08	2.08	2.07	2.07	2.06	2.05	2.03	2.16	**2.08**
Feb 2	2.05	2.05	2.06	S	2.05	2.05	2.04	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.07	2.07	2.21	2.02	2.21	2.05
Feb 3	**2.22**	2.17	S	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.04	2.08	2.05	2.05	2.02	**2.22**	2.05
Feb 4	2.05	S	2.04	2.04	2.06	2.07	2.06	2.06	2.07	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.05	2.06	2.10	2.11	2.08	2.08	2.07	2.04	2.11	2.06
Feb 5	S	2.10	2.10	2.12	2.12	2.11	2.08	2.07	2.07	2.08	2.08	2.06	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	S	2.03	2.12	2.06
Feb 6	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	S	2.06	2.04	2.07	2.06
Feb 7	2.06	2.07	2.07	2.07	2.06	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	S	2.07	2.08	2.06	2.08	2.07
Feb 8	2.09	2.08	2.07	2.07	2.07	2.07	2.09	2.12	2.14	2.08	2.05	2.05	2.05	2.05	2.05	2.03	2.03	2.02	2.02	2.03	S	2.02	2.03	2.03	2.02	2.14	2.06
Feb 9	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.08	2.07	2.04	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.05	2.05	2.05	2.06	2.01	2.08	2.03
Feb 10	2.06	2.06	2.05	2.05	2.06	2.06	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	S	2.01	2.00	1.99	1.99	2.00	1.99	2.06	2.03
Feb 11	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.02	2.01	2.02	2.01	2.01	2.01	2.02	2.03	2.03	2.04	S	2.05	2.04	2.05	2.05	2.05	2.06	2.00	2.06	2.02
Feb 12	2.06	2.05	2.06	2.06	2.04	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	S	2.01	2.00	1.98	1.99	2.00	2.00	2.00	1.98	2.06	2.02
Feb 13	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.04	C	C	C	C	C	1.97	S	1.97	1.98	1.97	1.98	1.98	1.98	1.98	1.98	1.97	2.04	1.99
Feb 14	1.98	1.98	1.99	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.01	1.97	2.01	1.98
Feb 15	2.01	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.02	2.02	2.01	1.99	1.98	S	1.98	1.98	1.99	2.00	2.02	2.03	2.04	2.04	2.05	2.05	1.98	2.05	2.01
Feb 16	2.06	2.05	2.06	2.07	2.08	2.08	2.07	2.06	2.06	2.06	2.05	2.04	S	2.02	2.01	2.01	2.01	2.03	2.04	2.04	2.05	2.06	2.07	2.06	2.01	2.08	2.05
Feb 17	2.06	2.06	2.06	2.07	2.07	2.08	2.07	2.06	2.06	2.05	2.03	S	2.01	2.00	1.98	1.98	1.98	1.98	1.99	2.01	2.01	2.01	2.01	2.01	1.98	2.08	2.03
Feb 18	2.03	2.02	2.01	2.02	2.01	2.01	2.00	2.03	2.03	2.05	S	1.99	1.97	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.99	2.00	1.99	1.99	1.97	2.05	2.00
Feb 19	1.99	2.00	2.00	1.99	1.98	1.99	1.99	1.98	2.00	S	2.06	2.02	2.01	2.02	1.99	2.00	1.98	1.97	1.96	1.98	1.99	1.99	1.99	1.99	1.96	2.06	1.99
Feb 20	1.97	1.96	1.99	2.02	2.02	2.02	2.02	2.02	S	2.06	2.14	2.07	1.99	1.98	2.00	1.99	1.99	2.01	2.02	2.05	2.04	2.03	2.05	2.06	1.96	2.14	2.02
Feb 21	2.06	2.07	2.06	2.06	2.06	2.07	2.09	S	2.08	2.07	2.05	2.01	1.99	1.97	1.96	1.97	1.98	1.98	1.98	1.99	2.00	2.00	2.00	1.99	1.96	2.09	2.02
Feb 22	1.99	1.98	1.98	1.97	1.97	1.98	S	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.98	1.96	1.95	1.95	1.99	1.97
Feb 23	1.94	1.93	1.94	1.94	1.93	S	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.93	1.96	1.94
Feb 24	1.96	1.95	1.97	1.97	S	1.96	1.99	1.97	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.95	1.99	1.96
Feb 25	1.97	1.96	1.96	S	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.97	1.96
Feb 26	1.97	1.97	S	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.97	2.00	1.98
Feb 27	1.99	S	2.00	2.00	2.00	2.01	2.03	2.03	2.03	2.05	2.07	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.99	1.99	2.07	2.01
Feb 28	S	2.02	2.03	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.00	S	2.00	2.04	2.03
Feb 29	2.00	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.02	2.03	2.01	2.00	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	S	1.99	1.99	2.03	2.00
Diurnal Maximum	2.22	2.17	2.10	2.12	2.12	2.11	2.12	2.16	2.14	2.08	2.14	2.11	2.10	2.10	2.10	2.11	2.12	2.09	2.08	2.10	2.11	2.08	2.08	2.21			
Diurnal Average	2.02	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.02			

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.



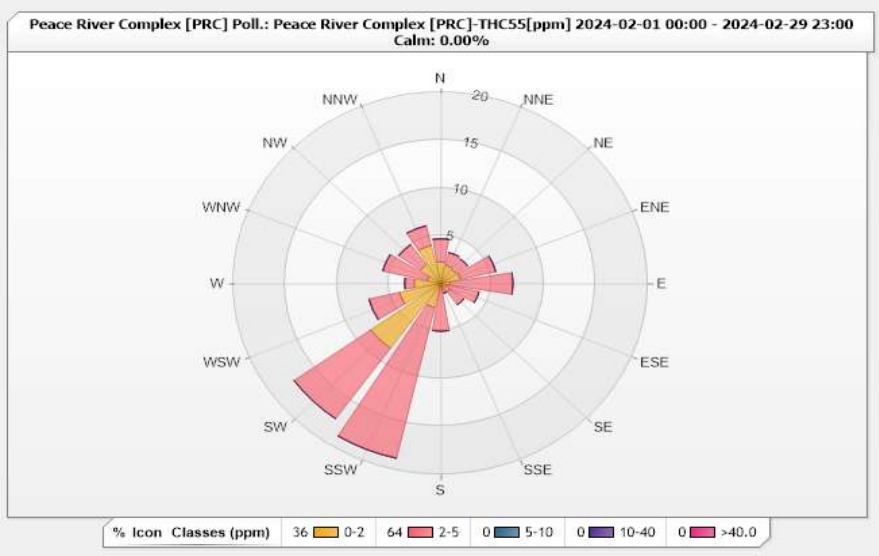


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.83% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.27	2.42	0	0	0	4.69
NNE	1.97	1.36	0	0	0	3.33
NE	1.82	1.36	0	0	0	3.18
ENE	1.97	3.48	0	0	0	5.45
E	0.91	6.06	0	0	0	6.97
ESE	0.61	3.18	0	0	0	3.79
SE	1.06	1.67	0	0	0	2.73
SSE	0	1.06	0	0	0	1.06
S	0.15	4.85	0	0	0	5
SSW	2.58	16.21	0	0	0	18.79
SW	8.33	9.09	0	0	0	17.42
WSW	4.09	3.03	0	0	0	7.12
W	2.58	0.91	0	0	0	3.49
WNW	1.36	4.39	0	0	0	5.75
NW	2.42	2.58	0	0	0	5
NNW	4.09	2.12	0	0	0	6.21
Summary	36.21	63.77	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

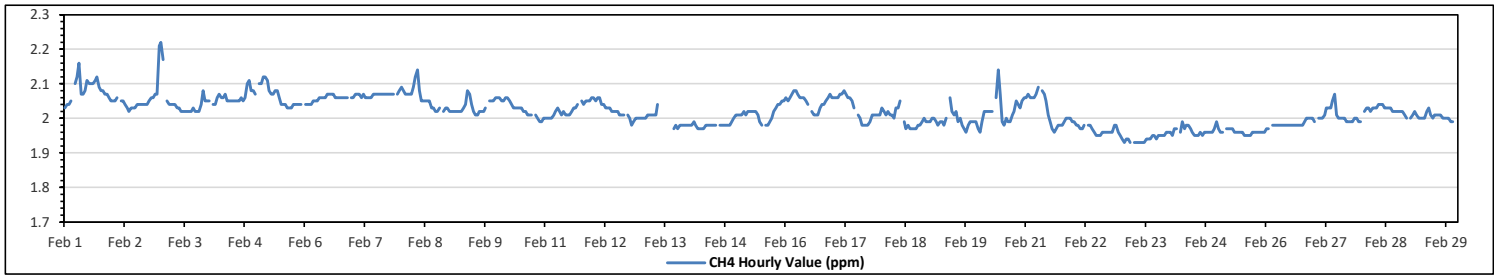
METHANE (CH4) in ppm

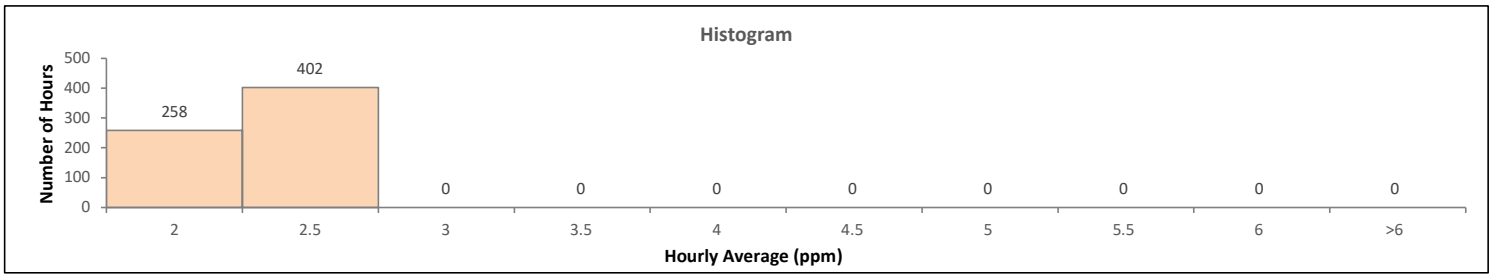
Maximum Hourly Value:	2.22	ppm	on Feb 3 at hr 0	Hours in Service:	696
Maximum Daily Value:	2.08	ppm	on Feb 1	Hours of Data:	660
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 1	Hours of Missing Data:	0
Minimum Daily Value:	1.94	ppm	on Feb 23	Hours of Calibration:	36
Monthly Average:	2.02	ppm		Operational 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			
Feb 1	2.03	2.04	2.04	2.05	S	2.10	2.12	2.16	2.07	2.07	2.08	2.11	2.10	2.10	2.10	2.11	2.12	2.09	2.08	2.08	2.07	2.07	2.06	2.05	2.03	2.16	**2.08**
Feb 2	2.05	2.05	2.06	S	2.05	2.05	2.04	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.07	2.07	2.21	2.02	2.21	2.05
Feb 3	**2.22**	2.17	S	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.04	2.08	2.05	2.05	2.02	**2.22**	2.05
Feb 4	2.05	S	2.04	2.04	2.06	2.07	2.06	2.06	2.07	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.05	2.06	2.10	2.11	2.08	2.08	2.07	2.04	2.11	2.06
Feb 5	S	2.10	2.10	2.12	2.12	2.11	2.08	2.07	2.07	2.08	2.08	2.06	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	S	2.03	2.12	2.06
Feb 6	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	S	2.06	2.04	2.07	2.06
Feb 7	2.06	2.07	2.07	2.07	2.06	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	S	2.07	2.08	2.06	2.08	2.07
Feb 8	2.09	2.08	2.07	2.07	2.07	2.07	2.09	2.12	2.14	2.08	2.05	2.05	2.05	2.05	2.05	2.03	2.03	2.02	2.02	2.03	S	2.02	2.03	2.03	2.02	2.14	2.06
Feb 9	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.08	2.07	2.04	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.05	2.05	2.05	2.06	2.01	2.08	2.03
Feb 10	2.06	2.06	2.05	2.05	2.06	2.06	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	S	2.01	2.00	1.99	1.99	2.00	1.99	2.06	2.03
Feb 11	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.02	2.01	2.02	2.01	2.01	2.01	2.02	2.03	2.03	2.04	S	2.05	2.04	2.05	2.05	2.05	2.06	2.00	2.06	2.02
Feb 12	2.06	2.05	2.06	2.06	2.04	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	S	2.01	2.00	1.98	1.99	2.00	2.00	2.00	1.98	2.06	2.02
Feb 13	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.04	C	C	C	C	C	1.97	S	1.97	1.98	1.97	1.98	1.98	1.98	1.98	1.98	1.97	2.04	1.99
Feb 14	1.98	1.98	1.99	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.98	S	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.01	1.97	2.01	1.98
Feb 15	2.01	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.02	2.02	2.01	1.99	1.98	S	1.98	1.98	1.99	2.00	2.02	2.03	2.04	2.04	2.05	2.05	1.98	2.05	2.01
Feb 16	2.06	2.05	2.06	2.07	2.08	2.08	2.07	2.06	2.06	2.06	2.05	2.04	S	2.02	2.01	2.01	2.01	2.03	2.04	2.04	2.05	2.06	2.07	2.06	2.01	2.08	2.05
Feb 17	2.06	2.06	2.06	2.07	2.07	2.08	2.07	2.06	2.06	2.05	2.03	S	2.01	2.00	1.98	1.98	1.98	1.98	1.99	2.01	2.01	2.01	2.01	2.01	1.98	2.08	2.03
Feb 18	2.03	2.02	2.01	2.02	2.01	2.01	2.00	2.03	2.03	2.05	S	1.99	1.97	1.98	1.97	1.97	1.97	1.97	1.98	1.98	1.99	2.00	1.99	1.99	1.97	2.05	2.00
Feb 19	1.99	2.00	2.00	1.99	1.98	1.99	1.99	1.98	2.00	S	2.06	2.02	2.01	2.02	1.99	2.00	1.98	1.97	1.96	1.98	1.99	1.99	1.99	1.99	1.96	2.06	1.99
Feb 20	1.97	1.96	1.99	2.02	2.02	2.02	2.02	2.02	S	2.06	2.14	2.07	1.99	1.98	2.00	1.99	1.99	2.01	2.02	2.05	2.04	2.03	2.05	2.06	1.96	2.14	2.02
Feb 21	2.06	2.07	2.06	2.06	2.06	2.07	2.09	S	2.08	2.07	2.05	2.01	1.99	1.97	1.96	1.97	1.98	1.98	1.98	1.99	2.00	2.00	2.00	1.99	1.96	2.09	2.02
Feb 22	1.99	1.98	1.98	1.97	1.97	1.98	S	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.98	1.98	1.96	1.95	1.95	1.99	1.97
Feb 23	1.94	1.93	1.94	1.94	1.93	S	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.94	1.94	1.95	1.95	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.93	1.96	1.94
Feb 24	1.96	1.95	1.97	1.97	S	1.96	1.99	1.97	1.98	1.98	1.97	1.96	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.97	1.99	1.95	1.99	1.96
Feb 25	1.97	1.96	1.96	S	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.97	1.96
Feb 26	1.97	1.97	S	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	1.97	2.00	1.98
Feb 27	1.99	S	2.00	2.00	2.00	2.01	2.03	2.03	2.03	2.05	2.07	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.99	1.99	2.07	2.01
Feb 28	S	2.02	2.03	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.00	S	2.00	2.04	2.03
Feb 29	2.00	2.01	2.02	2.01	2.00	2.00	2.00	2.00	2.02	2.03	2.01	2.00	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	S	1.99	1.99	2.03	2.00
Diurnal Maximum	2.22	2.17	2.10	2.12	2.12	2.11	2.12	2.16	2.14	2.08	2.14	2.11	2.10	2.10	2.10	2.11	2.12	2.09	2.08	2.10	2.11	2.08	2.08	2.21			
Diurnal Average	2.02	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.02			

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.



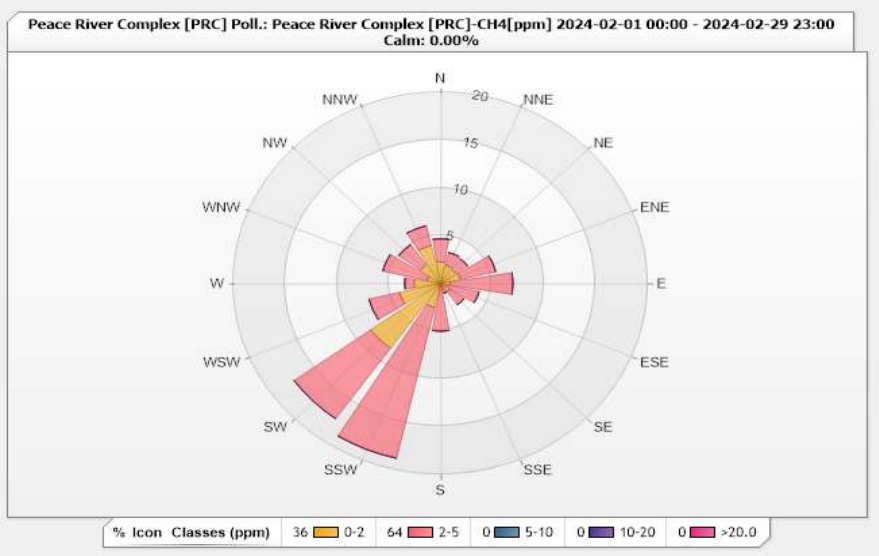


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.83% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.27	2.42	0	0	0	4.69
NNE	1.97	1.36	0	0	0	3.33
NE	1.82	1.36	0	0	0	3.18
ENE	1.97	3.48	0	0	0	5.45
E	0.91	6.06	0	0	0	6.97
ESE	0.61	3.18	0	0	0	3.79
SE	1.06	1.67	0	0	0	2.73
SSE	0	1.06	0	0	0	1.06
S	0.15	4.85	0	0	0	5
SSW	2.58	16.21	0	0	0	18.79
SW	8.33	9.09	0	0	0	17.42
WSW	4.09	3.03	0	0	0	7.12
W	2.58	0.91	0	0	0	3.49
WNW	1.36	4.39	0	0	0	5.75
NW	2.42	2.58	0	0	0	5
NNW	4.09	2.12	0	0	0	6.21
Summary	36.21	63.77	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

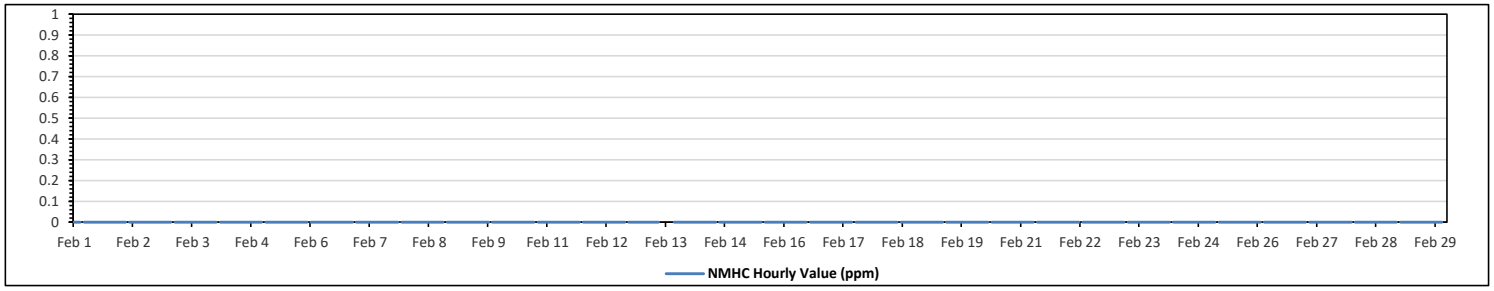
NON-METHANE HYDROCARBONS (NMHC) in ppm

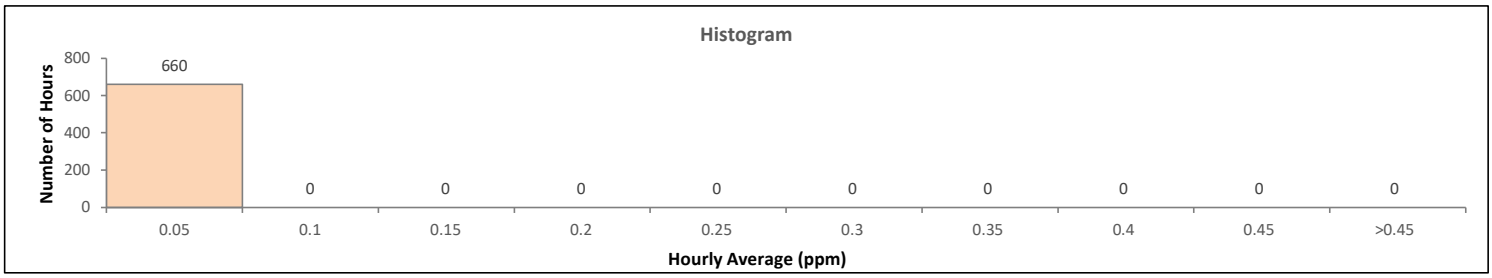
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	696
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	660
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	36
Monthly Average:	0.00	ppm		Operational 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			
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 13	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 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	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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 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
Feb 28	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
Feb 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
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.



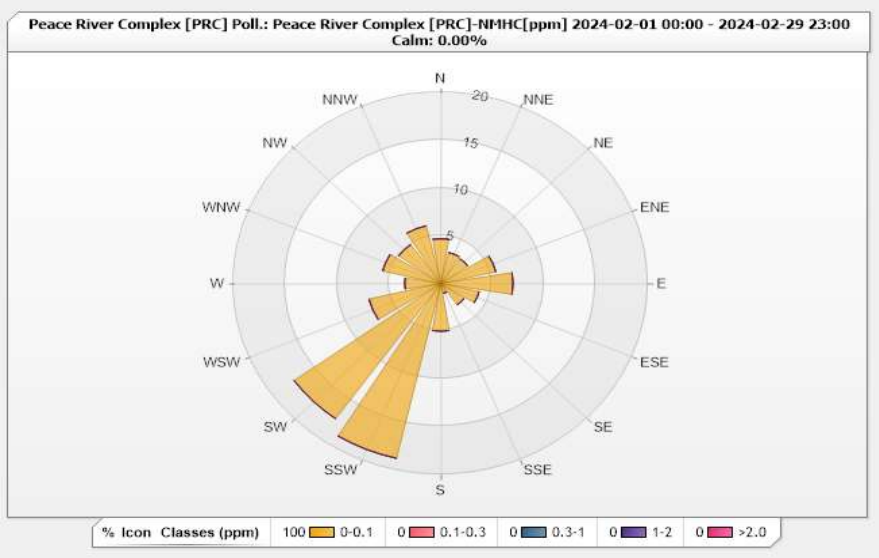


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.83% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.7	0	0	0	0	4.7
NNE	3.33	0	0	0	0	3.33
NE	3.18	0	0	0	0	3.18
ENE	5.45	0	0	0	0	5.45
E	6.97	0	0	0	0	6.97
ESE	3.79	0	0	0	0	3.79
SE	2.73	0	0	0	0	2.73
SSE	1.06	0	0	0	0	1.06
S	5	0	0	0	0	5
SSW	18.79	0	0	0	0	18.79
SW	17.42	0	0	0	0	17.42
WSW	7.12	0	0	0	0	7.12
W	3.48	0	0	0	0	3.48
WNW	5.76	0	0	0	0	5.76
NW	5	0	0	0	0	5
NNW	6.21	0	0	0	0	6.21
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

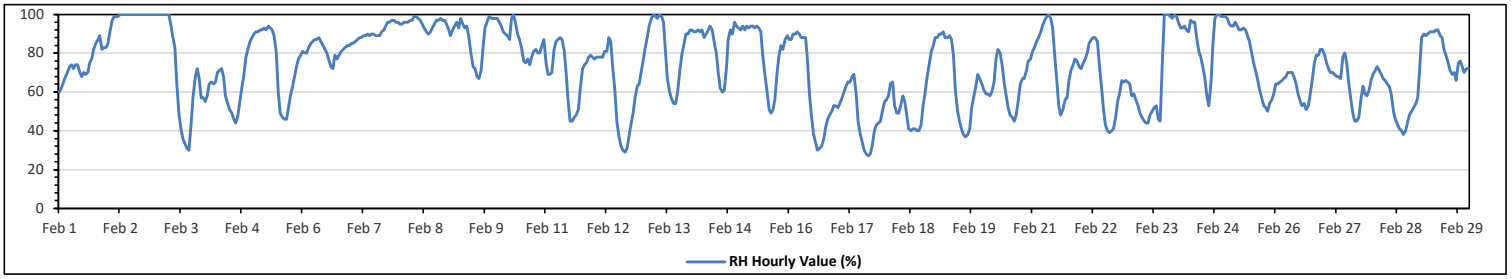
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Feb 2 at hr 6	Hours in Service:	696	
Maximum Daily Value:	98.8	%	on Feb 2	Hours of Data:	696	
Minimum Hourly Value:	27	%	on Feb 17 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	48.0	%	on Feb 17	Hours of Calibration:	0	
Monthly Average:	73.6	%		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
Feb 1	60	62	65	68	70	73	74	72	74	74	70	68	70	69	70	75	77	82	85	87	89	82	83	83	60	89	74.3
Feb 2	85	91	97	99	99	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	85	**100**	**98.8**
Feb 3	**100**	**100**	**100**	**100**	**100**	**100**	**100**	95	89	83	64	48	41	36	33	31	30	42	58	68	72	67	57	57	30	**100**	69.6
Feb 4	55	58	64	65	64	65	70	71	72	68	58	54	51	49	46	44	47	55	62	68	78	82	86	88	44	88	63.3
Feb 5	90	91	91	92	92	93	92	94	93	92	89	80	60	49	47	46	46	52	58	63	68	73	77	79	46	94	75.3
Feb 6	81	80	80	83	85	86	87	87	88	86	84	82	80	76	73	72	79	77	79	81	82	83	84	84	72	88	81.6
Feb 7	85	85	86	87	88	88	89	89	90	89	90	90	89	89	89	91	92	94	96	96	97	97	96	96	85	97	90.8
Feb 8	95	95	96	96	96	97	97	99	99	98	97	95	93	91	90	91	93	95	97	97	98	97	97	95	90	99	95.6
Feb 9	92	89	92	94	96	93	98	95	93	94	89	80	73	72	68	67	71	83	93	96	99	98	98	98	67	99	88.4
Feb 10	98	96	94	91	90	89	87	98	**100**	96	90	87	83	76	75	77	74	78	81	82	80	80	84	87	74	**100**	86.4
Feb 11	75	69	69	70	82	86	87	88	87	81	69	55	45	45	47	48	51	62	72	74	75	78	79	78	45	88	69.7
Feb 12	77	78	78	78	78	81	81	88	86	73	61	45	37	32	30	29	31	37	43	49	57	63	64	70	29	88	60.3
Feb 13	77	83	88	94	98	**100**	99	98	**100**	99	96	81	67	60	56	54	54	60	71	79	84	90	90	92	54	**100**	82.1
Feb 14	92	91	91	92	91	92	88	90	92	94	92	86	80	70	62	60	61	73	87	92	90	96	94	93	60	96	85.4
Feb 15	92	94	92	94	93	94	94	93	94	93	91	79	70	61	51	49	51	56	70	79	84	82	87	89	49	94	80.5
Feb 16	87	87	90	90	91	90	88	88	88	76	59	48	38	34	30	31	32	36	42	46	48	50	53	53	30	91	61.5
Feb 17	52	54	57	60	63	65	65	68	69	59	45	38	34	30	28	**27**	28	32	40	43	44	45	50	55	**27**	69	**48.0**
Feb 18	56	58	64	65	53	49	49	53	58	55	48	41	40	41	41	40	40	43	53	59	67	74	81	84	40	84	54.7
Feb 19	88	88	90	90	91	88	88	89	87	79	61	50	45	41	38	37	38	41	52	57	63	69	67	64	37	91	66.7
Feb 20	61	59	59	58	60	65	77	82	80	74	64	59	52	48	47	45	48	56	64	67	67	71	76	77	45	82	63.2
Feb 21	81	83	86	88	91	94	97	99	**100**	98	93	78	66	53	48	51	56	57	66	71	74	77	76	73	48	**100**	77.3
Feb 22	72	75	77	80	85	87	88	88	86	74	62	51	43	40	39	40	41	47	55	60	66	65	66	65	39	88	64.7
Feb 23	64	58	59	56	53	49	47	45	44	44	48	50	52	53	46	45	76	**100**	**100**	**100**	99	98	**100**	99	44	**100**	66.0
Feb 24	96	93	93	94	92	91	97	96	96	88	81	78	73	68	58	53	65	85	98	**100**	**100**	99	99	99	53	**100**	87.2
Feb 25	98	95	94	94	96	94	92	92	93	92	89	86	81	75	71	67	61	57	53	52	50	54	56	59	50	98	77.1
Feb 26	64	64	65	66	67	68	70	70	70	68	64	59	55	53	54	51	53	59	66	75	79	79	82	82	51	82	66.0
Feb 27	79	75	72	70	70	69	68	68	67	78	80	75	65	56	49	45	45	47	57	63	59	58	61	66	45	80	64.3
Feb 28	69	71	73	71	69	67	66	64	63	59	50	46	43	41	40	38	40	45	48	50	52	54	57	72	38	73	56.2
Feb 29	88	90	89	90	91	91	91	92	92	89	88	82	79	75	71	69	70	66	75	76	73	70	72	72	66	92	80.9
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	79.6	79.7	81.1	81.9	82.6	82.9	83.7	84.5	84.5	81.1	74.9	68.0	62.2	58.0	55.1	54.2	56.9	62.7	69.7	73.4	75.7	76.9	78.3	79.6			

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 - February 2024

Summary of Hourly Averages

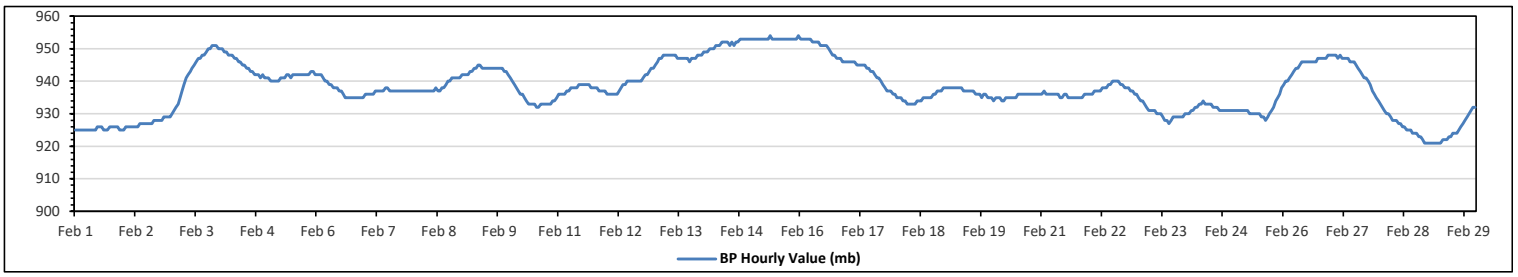
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	954	mb	on Feb 15 at hr 9	Hours in Service:	696	
Maximum Daily Value:	953	mb	on Feb 15	Hours of Data:	696	
Minimum Hourly Value:	921	mb	on Feb 28 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	925	mb	on Feb 29	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
Feb 1	925	925	925	925	925	925	925	925	925	925	925	926	926	926	925	925	925	926	926	926	926	926	925	925	925	926	925
Feb 2	925	926	926	926	926	926	926	926	927	927	927	927	927	927	927	928	928	928	928	928	929	929	929	929	925	929	927
Feb 3	930	931	932	933	935	937	939	941	942	943	944	945	946	947	947	948	948	949	950	950	951	951	951	950	930	951	943
Feb 4	950	950	949	949	948	948	948	947	947	946	946	945	945	944	944	943	943	942	942	942	941	942	941	941	941	950	945
Feb 5	941	940	940	940	940	940	941	941	941	942	942	941	942	942	942	942	942	942	942	942	942	943	943	942	940	943	941
Feb 6	942	942	942	941	940	940	939	939	938	938	938	937	937	936	935	935	935	935	935	935	935	935	935	935	935	942	937
Feb 7	936	936	936	936	936	937	937	937	937	937	938	938	937	937	937	937	937	937	937	937	937	937	937	937	936	938	937
Feb 8	937	937	937	937	937	937	937	937	937	937	937	938	937	937	938	938	939	940	940	941	941	941	941	941	937	941	938
Feb 9	942	942	942	942	943	943	944	944	945	945	944	944	944	944	944	944	944	944	944	944	944	943	943	942	942	945	944
Feb 10	941	940	939	938	937	936	936	935	934	933	933	933	933	932	932	933	933	933	933	933	933	934	934	935	932	941	935
Feb 11	936	936	936	936	937	937	938	938	938	938	939	939	939	939	939	939	938	938	938	938	937	937	937	937	936	939	938
Feb 12	936	936	936	936	936	936	937	938	939	939	940	940	940	940	940	940	940	940	941	942	942	943	944	944	936	944	939
Feb 13	945	946	947	947	948	948	948	948	948	948	948	947	947	947	947	947	947	946	947	947	947	948	948	948	945	948	947
Feb 14	949	949	949	950	950	950	951	951	951	952	952	952	952	951	952	951	952	952	953	953	953	953	953	953	949	953	951
Feb 15	953	953	953	953	953	953	953	953	953	**954**	953	953	953	953	953	953	953	953	953	953	953	953	953	**954**	953	**954**	**953**
Feb 16	953	953	953	953	953	953	952	952	952	952	951	951	951	951	950	949	948	948	947	947	947	946	946	946	946	953	950
Feb 17	946	946	946	946	945	945	945	945	945	944	944	943	943	942	941	941	940	939	938	937	937	937	936	936	936	946	942
Feb 18	935	935	935	934	934	933	933	933	933	933	934	934	934	935	935	935	935	935	936	936	937	937	937	938	933	938	935
Feb 19	938	938	938	938	938	938	938	938	938	937	937	937	937	937	937	936	936	936	935	936	936	935	935	935	935	938	937
Feb 20	934	935	935	935	934	934	935	935	935	935	935	935	936	936	936	936	936	936	936	936	936	936	936	936	934	936	935
Feb 21	936	937	936	936	936	936	936	936	936	935	935	936	936	935	935	935	935	935	935	935	935	936	936	936	935	937	936
Feb 22	936	936	937	937	937	937	938	938	938	939	939	940	940	940	940	939	939	938	938	938	937	937	936	936	936	940	938
Feb 23	935	934	934	933	932	931	931	931	931	930	930	930	929	928	928	927	928	929	929	929	929	929	929	930	927	935	930
Feb 24	930	930	931	931	932	932	933	933	934	933	933	933	933	932	932	932	931	931	931	931	931	931	931	931	930	934	932
Feb 25	931	931	931	931	931	931	931	930	930	930	930	930	930	929	929	928	929	930	931	932	934	935	936	938	928	938	931
Feb 26	939	940	940	941	942	943	944	944	945	946	946	946	946	946	946	946	946	947	947	947	947	947	948	948	939	948	945
Feb 27	948	948	948	947	948	947	947	947	947	946	946	946	945	944	943	942	941	941	940	939	937	936	935	934	934	948	943
Feb 28	933	932	931	930	930	929	928	928	928	927	927	926	926	925	925	925	924	924	924	923	923	922	**921**	**921**	**921**	933	926
Feb 29	**921**	**921**	**921**	**921**	**921**	**921**	**921**	922	922	922	923	923	924	924	924	925	926	927	928	929	930	931	932	932	**921**	932	**925**
Diurnal Maximum	953	953	953	953	953	953	953	953	953	954	953	953	953	953	953	953	953	953	953	953	953	953	953	954			
Diurnal Average	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	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

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

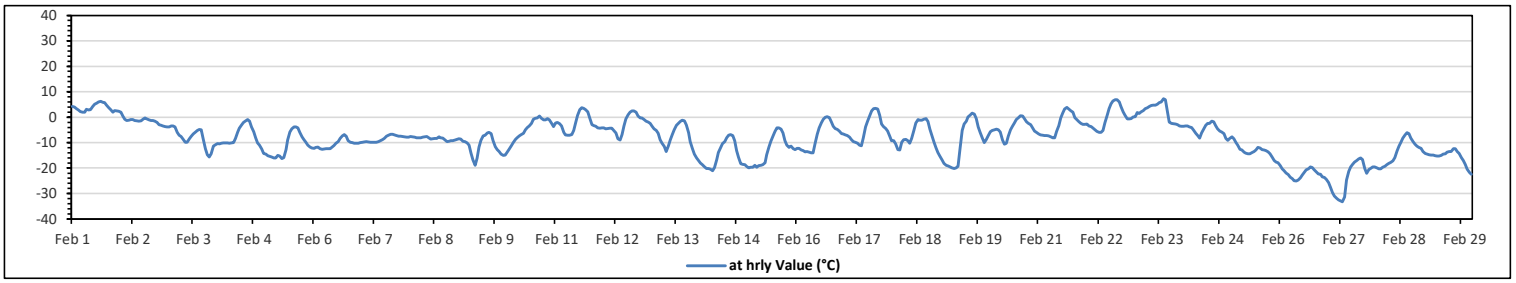
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	7.2	°C	on Feb 23 at hr 14	Hours in Service:	696	
Maximum Daily Value:	3.7	°C	on Feb 1	Hours of Data:	696	
Minimum Hourly Value:	-33.2	°C	on Feb 27 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-23.6	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	-8.1	°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
Feb 1	4.2	4	3.4	2.8	2.3	2	1.9	3.1	2.8	3	4.2	5.1	5.4	6	6.3	5.9	5.7	4.7	3.8	2.9	2	2.6	2.5	2.4	1.9	6.3	**3.7**
Feb 2	1.9	0.5	-0.8	-1.3	-1.2	-0.9	-1	-1.3	-1.4	-1.5	-1.4	-0.8	-0.3	-0.7	-1.1	-1.3	-1.3	-1.5	-2	-2.9	-3.2	-3.5	-3.7	-3.8	-3.8	1.9	-1.4
Feb 3	-3.9	-3.4	-3.4	-3.8	-5.9	-7.1	-7.6	-8.6	-9.9	-9.8	-8.5	-7.5	-6.6	-5.9	-5.2	-4.8	-5	-8.4	-12.4	-14.7	-15.6	-14.4	-11.4	-10.8	-15.6	-3.4	-8.1
Feb 4	-10.4	-10.5	-10.2	-10.1	-10.1	-10.1	-10.2	-10.1	-10	-8.3	-5.8	-4.3	-3	-2.1	-1.4	-0.9	-1.5	-3.9	-5.7	-8	-10.1	-10.9	-12.5	-14.2	-14.2	-0.9	-7.7
Feb 5	-14.5	-15.1	-15.4	-15.6	-16	-16	-15	-15.3	-16.2	-15.9	-12.8	-9	-5.8	-4.5	-3.9	-3.8	-4.1	-6	-7.7	-8.8	-9.9	-11	-11.7	-12.1	-16.2	-3.8	-11.1
Feb 6	-12.2	-11.9	-11.8	-12.3	-12.6	-12.5	-12.4	-12.4	-12.3	-11.7	-11.1	-10.2	-9.5	-8.3	-7.4	-6.8	-7.5	-9.2	-9.8	-10	-10.3	-10.3	-10.2	-10	-12.6	-6.8	-10.5
Feb 7	-9.9	-9.7	-9.6	-9.7	-9.8	-9.8	-9.8	-9.8	-9.6	-9.2	-8.9	-8.3	-7.5	-7	-6.7	-6.7	-6.9	-7.2	-7.5	-7.5	-7.6	-7.8	-7.9	-7.9	-9.9	-6.7	-8.4
Feb 8	-7.6	-7.8	-7.9	-8	-8.1	-8.1	-7.9	-7.7	-7.6	-8	-8.6	-8.5	-8.3	-8.3	-7.8	-8	-8.2	-8.9	-9.5	-9.4	-9.2	-9.2	-9	-8.7	-9.5	-7.6	-8.3
Feb 9	-8.4	-8.6	-9.4	-9.5	-10.1	-10.9	-14.1	-16.8	-18.9	-16.1	-11.7	-9.1	-7.4	-7	-6.2	-5.9	-6.5	-9.2	-11.6	-12.8	-13.5	-14.6	-15	-14.9	-18.9	-5.9	-11.2
Feb 10	-13.7	-12.6	-11.2	-10	-8.7	-8	-7.3	-6.8	-6.4	-4.9	-4	-3.4	-2.4	-0.8	-0.4	-0.3	0.4	-0.4	-1.1	-1.1	-0.5	-1.1	-2.4	-3.7	-13.7	0.4	-4.6
Feb 11	-2.3	-2.1	-2.6	-3.4	-6	-6.9	-7.1	-7.1	-6.8	-5.3	-2.2	0.7	3	3.7	3.5	3	2.1	-0.3	-2.9	-3.3	-3.6	-4.1	-4.3	-4.2	-7.1	3.7	-2.4
Feb 12	-4.1	-4.5	-4.4	-4.3	-4.3	-5.2	-6.2	-8.5	-9	-6.8	-3.4	-0.7	1	2	2.5	2.5	2	0.4	-0.3	-0.3	-0.9	-1.5	-1.9	-2.5	-9.0	2.5	-2.4
Feb 13	-3.6	-4.5	-5.2	-6.3	-8.8	-10.3	-11.5	-13.5	-11.2	-8.8	-6.8	-4.9	-3.2	-2.4	-1.7	-1.2	-1.4	-3	-6.1	-9.6	-12.4	-14.5	-16	-17.1	-17.1	-1.2	-7.7
Feb 14	-18	-18.7	-19.5	-20.1	-20.1	-20.4	-21	-19.8	-16.7	-13.9	-12	-10.4	-9.6	-8	-7	-6.8	-7.2	-9.3	-13.2	-15.8	-18.3	-18.5	-18.7	-19.4	-21.0	-6.8	-15.1
Feb 15	-20	-19.7	-19.7	-18.9	-19.7	-19	-18.8	-18.7	-17.9	-14.7	-11.7	-9.4	-7.4	-5.5	-4.2	-4.1	-4.7	-6.2	-9.3	-11	-11.9	-11.4	-12.3	-12.8	-20.0	-4.1	-12.9
Feb 16	-12.2	-12.2	-12.9	-13.2	-13.6	-13.5	-13.7	-14	-14	-10.5	-6.7	-4.2	-2.2	-0.8	0	0.2	-0.1	-1.8	-3.6	-4.4	-4.8	-5.4	-6.5	-6.6	-14.0	0.2	-7.4
Feb 17	-6.9	-7.2	-7.9	-8.8	-9.5	-9.8	-10.3	-11	-11.2	-8	-3.8	-1.6	0.6	2.5	3.3	3.5	3.2	0.9	-2.7	-3.7	-4.4	-5.4	-7.6	-9.2	-11.2	3.5	-4.8
Feb 18	-9.3	-10.5	-12.8	-12.9	-9.9	-8.9	-8.7	-9.3	-10.3	-8.3	-5.2	-2.3	-1	-1.2	-1.2	-0.8	-0.5	-1.7	-4.7	-7.1	-9.9	-12	-13.9	-15.3	-15.3	-0.5	-7.4
Feb 19	-16.8	-18.2	-18.9	-19.1	-19.5	-20	-20.1	-20	-19.3	-12.6	-5.2	-2.7	-1.5	0.1	0.9	1.5	1.3	-0.6	-3.9	-5.9	-8.2	-10	-8.9	-7.4	-20.1	1.5	-9.8
Feb 20	-5.7	-5.2	-4.9	-4.7	-4.9	-5.8	-9	-10.6	-10.3	-7.5	-5	-3.6	-2.3	-0.9	-0.1	0.6	0.5	-0.7	-1.8	-2.5	-2.9	-4.1	-5.4	-5.9	-10.6	0.6	-4.3
Feb 21	-6.6	-6.9	-7.1	-7.2	-7.2	-7.4	-7.8	-8.1	-8	-5.5	-3.3	-0.2	1.6	3.2	3.9	3.2	2.5	1.9	-0.1	-0.9	-1.8	-2.5	-2.8	-2.8	-8.1	3.9	-2.9
Feb 22	-2.7	-3.4	-3.7	-4.1	-4.9	-5.6	-5.9	-5.9	-5.3	-2.2	0.7	3.4	5.3	6.4	6.9	6.8	6	4.2	2.1	0.7	-0.7	-0.7	-0.6	0.1	-5.9	6.9	-0.1
Feb 23	0.2	1.8	1.4	2.1	2.7	3.4	3.8	4.2	4.6	4.8	4.8	5.2	5.7	6	**7.2**	6.9	1.7	-1.9	-2.4	-2.6	-2.7	-2.9	-3.4	-3.6	-3.6	**7.2**	2.0
Feb 24	-3.6	-3.4	-3.5	-3.8	-4	-5.1	-6.3	-7.2	-8.2	-6.2	-4.5	-3.2	-2.4	-2.5	-1.5	-1.8	-3.3	-4.5	-5.4	-5.8	-6.5	-8.3	-9.1	-8.3	-9.1	-1.5	-4.9
Feb 25	-7.7	-8.4	-9.8	-11	-12.6	-12.9	-13.7	-14.1	-14.4	-14.4	-13.8	-13.5	-12.9	-11.9	-12.1	-12.7	-12.9	-13.1	-13.6	-14.4	-15.8	-17	-17.6	-17.9	-17.9	-7.7	-13.3
Feb 26	-19	-20.2	-21.1	-21.9	-22.6	-23.5	-24.2	-24.9	-25.1	-24.7	-23.8	-22.7	-21.6	-20.6	-20.2	-19.5	-19.8	-20.7	-21.5	-22.3	-22.5	-23.4	-23.7	-24.4	-25.1	-19.0	-22.2
Feb 27	-25.6	-27.6	-29.6	-31	-31.9	-32.5	-32.9	**-33.2**	-31.3	-24.7	-21.3	-19.5	-18.6	-17.6	-17	-16.4	-16	-16.6	-20.1	-22.1	-20.5	-20.1	-19.6	-19.5	**-33.2**	-16.0	**-23.6**
Feb 28	-19.9	-20.2	-20.3	-19.7	-19.3	-18.7	-18.1	-17.7	-17.2	-15.9	-13.3	-11.3	-9.9	-8.2	-6.9	-6.1	-6.5	-8.2	-9.5	-10.6	-11.3	-11.9	-12.2	-13.4	-20.3	-6.1	-13.6
Feb 29	-14.2	-14.5	-14.7	-14.8	-14.9	-15.1	-15.2	-15.2	-15	-14.6	-14.4	-13.7	-13.4	-13.4	-12.4	-12.4	-13.5	-14.2	-15.9	-17	-18.6	-20.4	-21.7	-22.4	-22.4	-12.4	-15.5
Diurnal Maximum	4.2	4.0	3.4	2.8	2.7	3.4	3.8	4.2	4.6	4.8	4.8	5.2	5.7	6.4	7.2	6.9	6.0	4.7	3.8	2.9	2.0	2.6	2.5	2.4			
Diurnal Average	-9.4	-9.7	-10.1	-10.4	-10.7	-11.0	-11.4	-11.7	-11.6	-9.7	-7.6	-5.9	-4.6	-3.7	-3.1	-3.0	-3.5	-5.0	-6.8	-8.0	-8.8	-9.5	-9.9	-10.2			

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

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

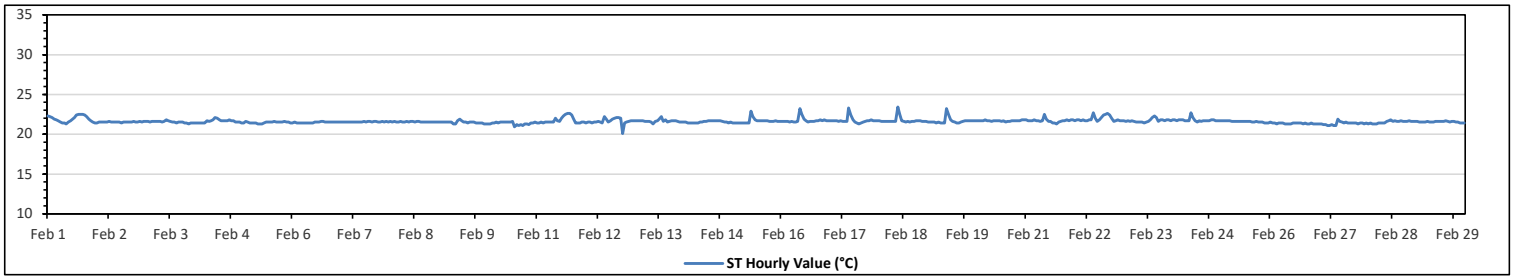
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.4	°C	on Feb 18 at hr 9	Hours in Service:	696	
Maximum Daily Value:	21.9	°C	on Feb 22	Hours of Data:	696	
Minimum Hourly Value:	20.1	°C	on Feb 12 at hr 18	Hours of Missing Data:	0	
Minimum Daily Value:	21.3	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	21.6	°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
Feb 1	22.3	22.2	22.1	21.9	21.8	21.7	21.5	21.4	21.4	21.3	21.5	21.7	21.9	22.1	22.4	22.5	22.5	22.5	22.4	22.2	21.9	21.7	21.5	21.4	21.3	22.5	21.9
Feb 2	21.4	21.5	21.5	21.5	21.5	21.5	21.6	21.5	21.5	21.5	21.5	21.5	21.4	21.5	21.5	21.5	21.5	21.5	21.6	21.5	21.5	21.6	21.5	21.6	21.4	21.6	21.5
Feb 3	21.6	21.6	21.5	21.6	21.6	21.6	21.6	21.6	21.5	21.6	21.8	21.7	21.6	21.5	21.5	21.4	21.5	21.5	21.5	21.4	21.4	21.3	21.4	21.4	21.3	21.8	21.5
Feb 4	21.4	21.4	21.4	21.4	21.4	21.4	21.7	21.6	21.7	21.8	22.1	22.0	21.8	21.7	21.7	21.7	21.7	21.8	21.7	21.7	21.5	21.5	21.5	21.4	21.4	22.1	21.6
Feb 5	21.4	21.6	21.5	21.4	21.4	21.4	21.4	21.3	21.3	21.3	21.4	21.5	21.5	21.5	21.5	21.6	21.5	21.5	21.5	21.5	21.6	21.5	21.5	21.4	21.3	21.6	21.5
Feb 6	21.4	21.5	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.4	21.6	21.5
Feb 7	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.5	21.6	21.6	21.5	21.6	21.6	21.5	21.5	21.6	21.5	21.6	21.5	21.5	21.6	21.5
Feb 8	21.6	21.5	21.6	21.5	21.5	21.6	21.5	21.5	21.6	21.5	21.6	21.6	21.5	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.5
Feb 9	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.3	21.3	21.7	21.9	21.7	21.5	21.5	21.4	21.5	21.5	21.5	21.4	21.4	21.4	21.4	21.3	21.3	21.3	21.9	21.5
Feb 10	21.3	21.3	21.4	21.4	21.5	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.6	20.9	21.2	21.1	21.2	21.1	21.3	21.3	21.2	21.4	21.4	21.5	20.9	21.6	21.4
Feb 11	21.4	21.4	21.5	21.4	21.5	21.5	21.5	21.5	21.5	22.0	21.7	21.6	22.0	22.3	22.5	22.6	22.6	22.4	21.9	21.4	21.4	21.4	21.5	21.5	21.4	22.6	21.8
Feb 12	21.4	21.5	21.5	21.4	21.5	21.5	21.6	21.5	21.4	22.2	21.9	21.5	21.7	21.9	22.0	22.1	22.1	22.0	**20.1**	21.4	21.5	21.6	21.7	21.7	**20.1**	22.2	21.6
Feb 13	21.7	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.5	21.3	21.6	21.7	21.9	22.2	21.6	21.8	21.5	21.6	21.7	21.7	21.7	21.6	21.5	21.5	21.3	22.2	21.7
Feb 14	21.5	21.5	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.6	21.5	21.5	21.4	21.5	21.4	21.7	21.5
Feb 15	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	22.9	22.2	21.8	21.7	21.7	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.7	21.6	21.6	21.4	22.9	21.6
Feb 16	21.6	21.6	21.6	21.6	21.5	21.6	21.5	21.5	21.6	23.2	22.5	21.9	21.7	21.5	21.6	21.6	21.6	21.7	21.7	21.8	21.7	21.8	21.7	21.7	21.5	23.2	21.7
Feb 17	21.7	21.7	21.7	21.7	21.6	21.7	21.6	21.6	21.6	23.3	22.4	21.8	21.5	21.4	21.3	21.4	21.5	21.6	21.7	21.7	21.8	21.7	21.7	21.7	21.3	23.3	21.7
Feb 18	21.7	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	**23.4**	22.5	21.7	21.6	21.5	21.6	21.5	21.6	21.6	21.7	21.7	21.7	21.6	21.6	21.6	21.5	**23.4**	21.7
Feb 19	21.5	21.5	21.5	21.5	21.4	21.5	21.4	21.4	21.4	23.2	22.4	21.8	21.6	21.5	21.4	21.4	21.5	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.4	23.2	21.7
Feb 20	21.7	21.7	21.7	21.7	21.8	21.7	21.7	21.6	21.7	21.7	21.7	21.7	21.6	21.7	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.5	21.8	21.7
Feb 21	21.8	21.7	21.7	21.7	21.8	21.7	21.7	21.6	21.7	22.5	21.9	21.6	21.6	21.4	21.4	21.3	21.5	21.6	21.7	21.7	21.8	21.7	21.8	21.8	21.3	22.5	21.7
Feb 22	21.7	21.8	21.8	21.7	21.8	21.7	21.7	21.8	21.8	22.7	22.0	21.6	21.8	22.1	22.4	22.5	22.6	22.4	22.0	21.6	21.7	21.8	21.7	21.7	21.6	22.7	**21.9**
Feb 23	21.7	21.6	21.7	21.6	21.7	21.6	21.5	21.5	21.5	21.5	21.4	21.5	21.6	21.8	22.1	22.3	22.1	21.6	21.8	21.8	21.7	21.8	21.8	21.7	21.4	22.3	21.7
Feb 24	21.8	21.8	21.7	21.8	21.8	21.8	21.7	21.7	21.7	22.7	22.1	21.7	21.5	21.7	21.6	21.7	21.7	21.7	21.7	21.8	21.8	21.7	21.7	21.7	21.5	22.7	21.8
Feb 25	21.7	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.5	21.5	21.6	21.5	21.5	21.5	21.4	21.4	21.4	21.4	21.7	21.6
Feb 26	21.5	21.4	21.4	21.3	21.4	21.4	21.4	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.4	21.3	21.3	21.4	21.3	21.3	21.3	21.3	21.5	21.4
Feb 27	21.3	21.3	21.2	21.2	21.1	21.1	21.2	21.1	21.1	21.9	21.6	21.5	21.4	21.5	21.4	21.4	21.4	21.4	21.4	21.3	21.4	21.4	21.3	21.4	21.1	21.9	**21.3**
Feb 28	21.3	21.4	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.6	21.7	21.8	21.6	21.7	21.6	21.6	21.7	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.3	21.8	21.5
Feb 29	21.6	21.5	21.5	21.5	21.5	21.6	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.7	21.6	21.5	21.6	21.6	21.5	21.5	21.4	21.4	21.4	21.4	21.7	21.5
Diurnal Maximum	22.3	22.2	22.1	21.9	21.8	21.8	21.7	21.8	21.8	23.4	22.5	22.0	22.0	22.3	22.5	22.6	22.6	22.5	22.4	22.2	21.9	21.8	21.8	21.8			
Diurnal Average	21.6	21.6	21.6	21.5	21.5	21.5	21.5	21.5	21.5	22.0	21.8	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.6	21.6	21.6	21.6	21.5	21.5			

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.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

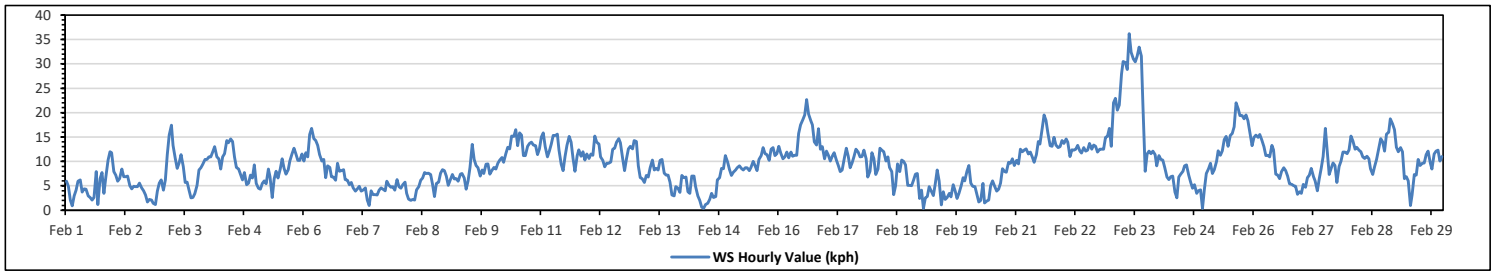
VECTOR WIND SPEED (VWS) in km/hr

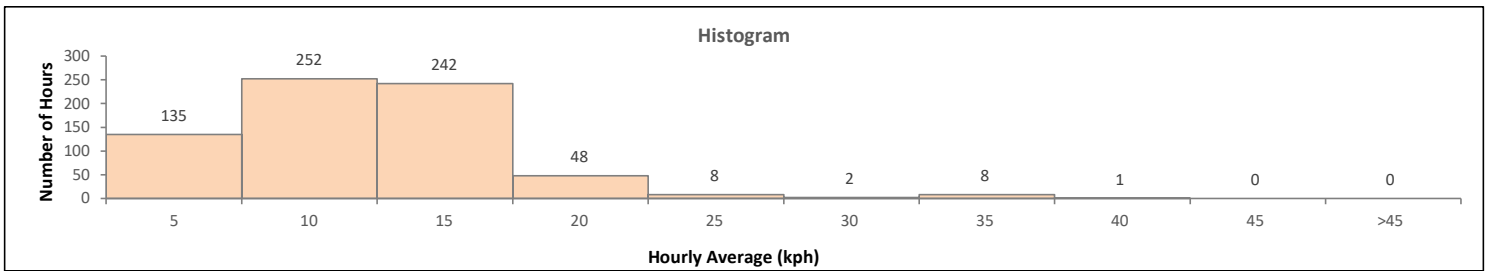
Maximum Hourly Value:	36.2	kph	on Feb 23 at hr 9	Hours in Service:	696	
Maximum Daily Value:	22.6	kph	on Feb 23	Hours of Data:	696	
Minimum Hourly Value:	0.4	kph	on Feb 14 at hr 10	Hours of Missing Data:	0	
Minimum Daily Value:	4.1	kph	on Feb 19	Hours of Calibration:	0	
Monthly Average:	3.4	kph		Operational 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
Feb 1	5.9	4.9	2.1	0.9	2.9	4.1	5.9	6.2	3.7	4.4	4.3	2.9	2.6	2.1	2.6	7.9	1.2	6.5	7.7	3.5	6.8	10.3	12.0	11.8	0.9	12.0	5.1
Feb 2	7.9	7.2	5.9	6.5	8.4	6.9	6.9	7.0	5.0	4.4	4.9	4.8	4.8	5.6	4.6	4.0	3.1	1.7	2.2	2.1	1.4	1.2	3.9	5.6	1.2	8.4	4.8
Feb 3	6.2	4.1	6.2	11.4	15.4	17.4	13.3	10.6	8.6	9.7	11.4	9.0	5.7	5.8	4.1	2.5	2.6	3.4	5.1	8.2	8.7	9.4	10.4	10.4	2.5	17.4	8.3
Feb 4	10.9	10.9	12.1	13.0	10.9	10.5	8.4	10.9	11.6	14.3	13.8	14.6	14.1	10.9	8.8	8.4	7.3	6.2	7.7	5.2	5.6	7.2	6.6	9.3	5.2	14.6	10.0
Feb 5	5.5	4.5	4.3	5.5	6.0	5.4	8.4	6.9	2.6	6.4	8.0	6.6	8.4	10.5	8.6	7.4	8.3	10.1	11.6	12.7	11.5	10.2	10.2	11.5	2.6	12.7	8.0
Feb 6	10.1	11.8	10.9	15.5	16.8	14.7	14.3	13.3	11.4	10.1	10.4	6.7	9.1	8.8	6.9	6.8	6.1	9.6	8.0	8.1	8.3	6.3	6.1	5.2	5.2	16.8	9.8
Feb 7	5.7	4.6	3.9	4.4	4.9	3.9	4.2	4.6	2.1	1.0	4.0	3.2	3.2	3.1	4.1	4.6	4.3	4.0	5.9	5.1	4.7	4.8	4.1	6.3	1.0	6.3	4.2
Feb 8	4.8	4.5	5.2	5.8	3.5	2.3	2.0	2.2	2.1	4.2	4.8	6.1	6.6	7.7	7.5	7.6	7.3	5.3	2.8	5.5	5.8	7.6	8.3	8.1	2.0	8.3	5.3
Feb 9	7.0	5.1	6.1	7.3	6.4	6.5	5.9	7.4	7.5	6.6	4.3	6.0	8.8	13.5	10.4	9.2	8.7	7.0	8.2	7.5	9.4	9.5	7.4	8.1	4.3	13.5	7.7
Feb 10	8.8	8.4	9.6	10.3	10.8	9.8	11.6	12.9	12.6	15.2	15.1	16.5	13.2	15.9	15.4	11.2	11.2	13.1	13.7	13.9	13.4	13.2	11.4	12.6	8.4	16.5	12.5
Feb 11	15.0	15.9	13.0	10.9	12.1	13.6	15.3	15.3	15.6	12.4	9.4	8.1	11.0	13.3	15.1	13.9	10.6	8.0	11.2	12.4	11.1	12.0	10.3	11.5	8.0	15.9	12.4
Feb 12	10.6	11.5	11.3	15.2	13.9	13.6	10.9	10.2	8.9	9.6	9.6	9.9	12.5	12.7	13.9	14.7	13.8	10.6	8.1	10.5	12.6	13.1	12.6	14.3	8.1	15.2	11.9
Feb 13	14.1	9.1	6.7	6.5	5.7	7.1	6.8	8.7	10.3	8.2	8.6	8.2	10.2	10.4	7.6	7.2	7.2	5.8	3.1	2.9	4.8	4.5	3.6	7.1	2.9	14.1	7.3
Feb 14	6.7	6.8	3.8	3.5	7.0	7.0	4.8	2.9	2.0	0.6	**0.4**	1.2	1.4	2.2	3.5	2.6	2.8	6.2	6.7	8.6	8.5	11.2	9.9	8.3	**0.4**	11.2	4.9
Feb 15	7.1	7.8	8.2	8.7	9.1	8.6	8.2	8.7	8.7	8.1	8.8	10.0	9.1	8.1	10.4	11.2	12.8	11.6	11.4	10.2	12.5	12.8	11.2	11.6	7.1	12.8	9.8
Feb 16	13.1	11.7	10.5	10.9	11.9	10.7	11.9	11.1	11.3	11.3	15.7	17.5	18.5	19.5	22.7	19.7	18.3	17.5	14.0	13.4	16.7	12.5	13.0	10.5	10.5	22.7	14.3
Feb 17	12.1	11.3	10.1	11.2	11.8	10.3	9.2	7.9	8.2	10.7	12.7	11.1	8.7	9.7	11.0	12.5	11.9	10.9	11.0	12.3	10.5	6.8	8.0	11.8	6.8	12.7	10.5
Feb 18	10.6	7.3	8.4	12.7	12.3	12.0	10.1	10.9	8.8	7.9	3.2	5.0	9.5	7.9	10.3	10.0	9.3	5.1	5.1	5.0	6.1	7.4	7.5	2.4	2.4	12.7	8.1
Feb 19	4.1	**0.4**	2.5	2.8	4.8	4.0	3.0	5.4	8.2	6.0	1.1	3.8	2.2	2.6	3.5	2.7	5.2	4.0	2.4	3.5	5.0	6.7	6.0	8.0	**0.4**	8.2	**4.1**
Feb 20	9.2	5.6	4.9	4.8	3.3	1.7	2.0	5.5	1.5	1.9	2.1	5.0	6.0	4.8	3.9	4.3	5.6	8.5	7.9	7.8	9.8	9.6	10.5	9.2	1.5	10.5	5.6
Feb 21	10.2	9.5	12.5	12.0	12.4	12.6	11.5	11.9	10.9	9.8	11.4	14.1	13.6	16.7	19.5	18.4	15.8	13.2	13.1	14.9	13.4	12.8	13.0	14.3	9.5	19.5	13.2
Feb 22	13.7	14.6	13.9	11.0	12.4	12.3	12.5	13.3	12.1	11.7	12.8	12.1	12.3	13.7	12.5	13.4	13.1	11.9	12.5	12.5	12.5	14.9	15.1	16.8	11.0	16.8	13.1
Feb 23	13.1	22.0	22.9	20.5	21.6	27.9	30.5	30.3	28.8	**36.2**	32.4	31.0	30.4	31.6	33.4	31.6	21.3	8.0	11.5	12.1	11.6	12.1	11.4	9.1	8.0	**36.2**	**22.6**
Feb 24	11.2	10.4	10.3	8.8	6.8	6.3	6.9	7.0	3.7	2.5	6.8	7.4	8.0	9.1	9.3	7.2	5.8	4.5	5.2	3.5	4.0	4.2	**0.4**	4.3	**0.4**	11.2	6.4
Feb 25	7.5	8.5	9.6	7.5	8.3	10.0	12.2	11.3	12.2	14.5	15.1	13.1	15.3	15.7	17.1	22.0	20.7	19.4	19.4	18.7	19.5	18.3	15.6	13.2	7.5	22.0	14.4
Feb 26	14.9	15.4	14.9	15.5	14.5	13.0	11.2	11.3	10.9	13.3	12.4	7.4	7.2	6.5	7.9	8.7	8.1	7.0	5.4	5.3	5.0	4.9	3.3	3.8	3.3	15.5	9.5
Feb 27	3.5	5.3	4.7	6.7	7.2	8.6	6.9	6.0	4.0	6.5	8.6	11.0	16.8	12.0	7.3	8.6	9.7	9.2	5.7	9.0	10.1	11.9	11.9	11.6	3.5	16.8	8.5
Feb 28	12.4	15.2	14.2	12.5	12.9	12.3	12.0	10.9	10.6	11.1	10.5	8.5	7.3	9.0	10.4	12.4	14.7	14.0	12.1	15.6	16.0	18.7	17.7	16.5	7.3	18.7	12.8
Feb 29	12.9	12.0	12.8	12.0	6.5	6.9	6.0	1.0	3.1	7.3	7.2	10.4	9.2	9.6	9.7	11.4	12.1	9.7	8.4	11.5	12.1	12.3	10.1	11.0	1.0	12.9	9.4
Diurnal Maximum	15.0	22.0	22.9	20.5	21.6	27.9	30.5	30.3	28.8	36.2	32.4	31.0	30.4	31.6	33.4	31.6	21.3	19.4	19.4	18.7	19.5	18.7	17.7	16.8			
Diurnal Average	9.5	9.2	9.0	9.5	9.7	9.7	9.4	9.4	8.5	9.2	9.3	9.4	9.9	10.3	10.4	10.4	9.6	8.7	8.5	9.0	9.6	9.9	9.4	9.8			

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.



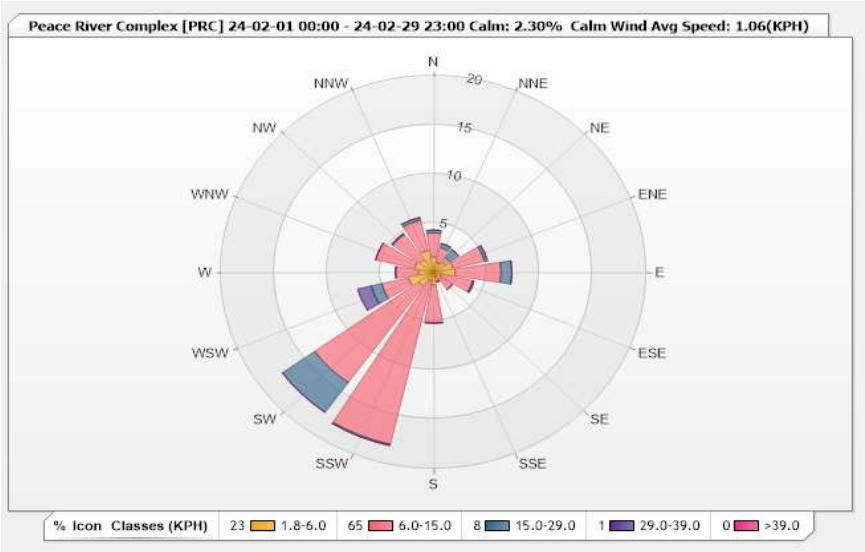


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 02-2024

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

Calm (WS<1.8kph): 2.30% 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	1.58	2.44	0.29	0	0	4.31
NNE	1.01	1.58	0.43	0	0	3.02
NE	1.29	0.57	1.01	0	0	2.87
ENE	1.87	3.02	0.29	0	0	5.18
E	2.01	4.31	1.01	0	0	7.33
ESE	0.72	3.02	0.14	0	0	3.88
SE	0.86	1.29	0	0	0	2.15
SSE	0.43	0.57	0	0	0	1
S	1.29	3.88	0	0	0	5.17
SSW	0.86	17.1	0.14	0	0	18.1
SW	1.72	12.07	3.74	0	0	17.53
WSW	2.44	2.59	1.01	1.29	0	7.33
W	1.44	2.16	0	0	0	3.6
WNW	1.87	3.74	0	0	0	5.61
NW	1.58	3.16	0.14	0	0	4.88
NNW	2.3	3.16	0.29	0	0	5.75
Summary	23.27	64.66	8.49	1.29	0	97.71



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2024

Summary of Hourly Averages

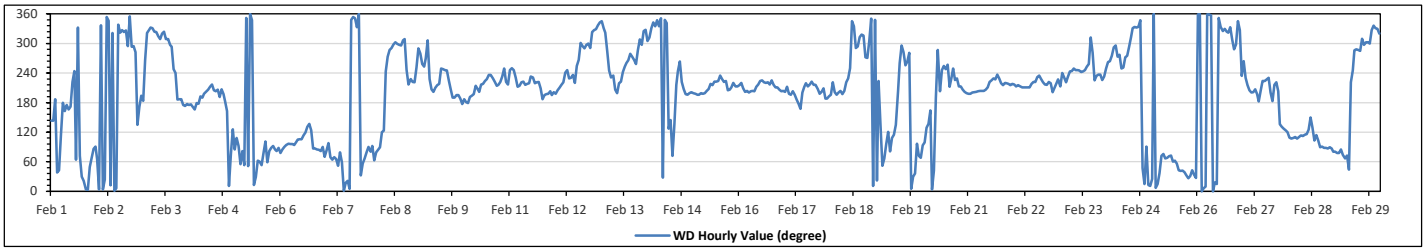
WIND DIRECTION (VWD) in sector

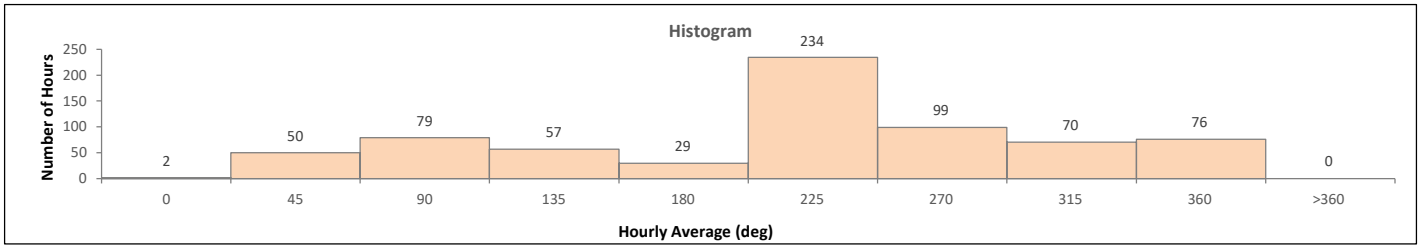
Monthly Average:	222 (SW)	degree	
Hours in Service:	696		
Hours of Data:	696		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

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
Feb 1	SE	SE	S	NE	NE	ESE	S	SSE	S	SSE	S	SW	WSW	ENE	NNW	ENE	NNE	NNE	N	N	NE	ENE	E	E	94	E
Feb 2	ENE	N	NNW	N	NNE	N	NNW	NNE	NW	N	N	NNW	NW	NW	NW	NW	WNW	N	WNW	WNW	W	SE	S	SSW	349	NNW
Feb 3	S	W	NW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WSW	WSW	S	S	S	S	S	S	294	WNW
Feb 4	S	S	S	SSE	S	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	S	SSW	SSW	S	SSE	NNE	ENE	SE	188	S
Feb 5	E	ESE	E	NE	E	NE	N	NE	N	NNW	NNE	NNE	ENE	ENE	NE	ENE	E	ENE	E	E	E	E	E	E	67	ENE
Feb 6	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	ESE	E	E	E	E	E	E	ENE	97	E
Feb 7	E	E	ENE	ENE	ENE	ENE	NE	ENE	ENE	N	NNE	NNE	N	NNW	N	N	NNW	N	NNE	NE	ENE	ENE	E	E	49	NE
Feb 8	E	ENE	ENE	E	E	ESE	ESE	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WSW	SW	SW	SW	SW	WSW	274	W
Feb 9	WNW	W	WSW	WSW	W	NW	SW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	SW	SSW	S	S	SSW	SSW	S	S	227	SW
Feb 10	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	WSW	SW	SW	216	SW
Feb 11	WSW	WSW	WSW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	218	SW
Feb 12	SSW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	SW	SW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	268	W
Feb 13	NNW	NNW	NW	WNW	WSW	SW	SW	SSW	SSW	SW	SW	WSW	WSW	WSW	W	W	W	W	WSW	WNW	NW	WNW	NW	NNW	267	W
Feb 14	WNW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	NNW	SE	SE	ENE	SE	SW	WSW	W	SW	SSW	SSW	SSW	SSW	SSW	248	WSW
Feb 15	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SSW	SSW	212	SSW
Feb 16	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	214	SSW
Feb 17	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SSW	SSW	SW	SSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	S	S	203	SSW
Feb 18	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	NNW	NNW	WNW	WNW	NW	NW	NW	W	W	WNW	N	NNE	NNW	252	WSW
Feb 19	NNE	SW	SE	NE	ENE	E	ESE	E	ESE	ESE	SE	SSW	WSW	WNW	W	WSW	W	W	N	NNE	NE	E	ENE	ENE	77	ENE
Feb 20	E	E	SE	SE	SSE	N	NE	S	WNW	SSW	WSW	WSW	WSW	WSW	SSW	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	206	SSW
Feb 21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	SSW	SW	215	SSW
Feb 22	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SW	SW	218	SW
Feb 23	SSW	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NW	W	SW	SW	SW	SW	SW	SW	244	WSW
Feb 24	WSW	W	W	W	WNW	WNW	W	W	WSW	WSW	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NE	NNE	E	NNE	NNE	295	WNW
Feb 25	NNE	N	N	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NNE	44	NE
Feb 26	N	N	N	N	N	N	N	N	N	NNE	NNE	N	NNW	NW	NNW	NW	NW	NNW	NW	WNW	WNW	NNW	NW	SW	351	N
Feb 27	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	SW	SW	SSW	S	SW	SW	SSW	SE	SE	SE	ESE	ESE	193	S
Feb 28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SE	ESE	ESE	ESE	E	E	E	E	E	E	E	E	103	ESE
Feb 29	E	ENE	ENE	E	ENE	ENE	ENE	NE	SW	WSW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NW	334	NNW

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 - February 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	36.2	kph	on Feb 23 at hr 9	Hours in Service:	696
Maximum Daily Value:	22.6	kph	on Feb 23	Hours of Data:	696
Minimum Hourly Value:	0.4	kph	on Feb 14 at hr 10	Hours of Missing Data:	0
Minimum Daily Value:	4.1	kph	on Feb 19	Hours of Calibration:	0
Monthly Average:	3.4	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 222 degree (SW)

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			
Feb 1	5.9	4.9	2.1	0.9	2.9	4.1	5.9	6.2	3.7	4.4	4.3	2.9	2.6	2.1	2.6	7.9	1.2	6.5	7.7	3.5	6.8	10.3	12.0	11.8	0.9	12.0	5.1
	SE	SE	S	NE	NE	ESE	S	SSE	S	SSE	S	SW	WSW	ENE	NNW	ENE	NNE	NNE	N	N	NE	ENE	E	E			94(E)
Feb 2	7.9	7.2	5.9	6.5	8.4	6.9	6.9	7.0	5.0	4.4	4.9	4.8	4.8	5.6	4.6	4.0	3.1	1.7	2.2	2.1	1.4	1.2	3.9	5.6	1.2	8.4	4.8
	ENE	N	NNW	N	NNE	N	NNW	NNE	NW	N	N	NNW	NW	NW	NW	NW	WNW	N	WNW	WNW	W	SE	S	SSW			349(NNW)
Feb 3	6.2	4.1	6.2	11.4	15.4	17.4	13.3	10.6	8.6	9.7	11.4	9.0	5.7	5.8	4.1	2.5	2.6	3.4	5.1	8.2	8.7	9.4	10.4	10.4	2.5	17.4	8.3
	S	W	NW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WSW	WSW	S	S	S	S	S	S			294(WNW)
Feb 4	10.9	10.9	12.1	13.0	10.9	10.5	8.4	10.9	11.6	14.3	13.8	14.6	14.1	10.9	8.8	8.4	7.3	6.2	7.7	5.2	5.6	7.2	6.6	9.3	5.2	14.6	10.0
	S	S	S	SSE	S	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	S	SSW	SSW	S	SSE	NNE	ENE	SE			188(S)
Feb 5	5.5	4.5	4.3	5.5	6.0	5.4	8.4	6.9	2.6	6.4	8.0	6.6	8.4	10.5	8.6	7.4	8.3	10.1	11.6	12.7	11.5	10.2	10.2	11.5	2.6	12.7	8.0
	E	ESE	E	NE	E	NE	N	NE	N	NNW	NNE	NNE	ENE	ENE	NE	ENE	E	ENE	E	E	E	E	E	E			67(ENE)
Feb 6	10.1	11.8	10.9	15.5	16.8	14.7	14.3	13.3	11.4	10.1	10.4	6.7	9.1	8.8	6.9	6.8	6.1	9.6	8.0	8.1	8.3	6.3	6.1	5.2	5.2	16.8	9.8
	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SE	ESE	E	E	E	E	E	E	ENE			97(E)
Feb 7	5.7	4.6	3.9	4.4	4.9	3.9	4.2	4.6	2.1	1.0	4.0	3.2	3.2	3.1	4.1	4.6	4.3	4.0	5.9	5.1	4.7	4.8	4.1	6.3	1.0	6.3	4.2
	E	E	ENE	ENE	ENE	ENE	NE	ENE	ENE	N	NNE	NNE	N	NNW	N	N	NNW	N	NNE	NE	ENE	ENE	E	E			49(NE)
Feb 8	4.8	4.5	5.2	5.8	3.5	2.3	2.0	2.2	2.1	4.2	4.8	6.1	6.6	7.7	7.5	7.6	7.3	5.3	2.8	5.5	5.8	7.6	8.3	8.1	2.0	8.3	5.3
	E	ENE	ENE	E	E	ESE	ESE	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WSW	SW	SW	SW	SW	WSW			274(W)
Feb 9	7.0	5.1	6.1	7.3	6.4	6.5	5.9	7.4	7.5	6.6	4.3	6.0	8.8	13.5	10.4	9.2	8.7	7.0	8.2	7.5	9.4	9.5	7.4	8.1	4.3	13.5	7.7
	WNW	W	WSW	WSW	W	NW	SW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	SW	SSW	S	S	SSW	SSW	S	S			227(SW)
Feb 10	8.8	8.4	9.6	10.3	10.8	9.8	11.6	12.9	12.6	15.2	15.1	16.5	13.2	15.9	15.4	11.2	11.2	13.1	13.7	13.9	13.4	13.2	11.4	12.6	8.4	16.5	12.5
	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	WSW	SW	SW			216(SW)
Feb 11	15.0	15.9	13.0	10.9	12.1	13.6	15.3	15.3	15.6	12.4	9.4	8.1	11.0	13.3	15.1	13.9	10.6	8.0	11.2	12.4	11.1	12.0	10.3	11.5	8.0	15.9	12.4
	WSW	WSW	WSW	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW			218(SW)
Feb 12	10.6	11.5	11.3	15.2	13.9	13.6	10.9	10.2	8.9	9.6	9.6	9.9	12.5	12.7	13.9	14.7	13.8	10.6	8.1	10.5	12.6	13.1	12.6	14.3	8.1	15.2	11.9
	SSW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	SW	SW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW			268(W)
Feb 13	14.1	9.1	6.7	6.5	5.7	7.1	6.8	8.7	10.3	8.2	8.6	8.2	10.2	10.4	7.6	7.2	7.2	5.8	3.1	2.9	4.8	4.5	3.6	7.1	2.9	14.1	7.3
	NNW	NNW	NW	WNW	WSW	SW	SW	SSW	SSW	SW	SW	WSW	WSW	WSW	W	W	W	W	WSW	WNW	NW	WNW	NW	NNW			267(W)
Feb 14	6.7	6.8	3.8	3.5	7.0	7.0	4.8	2.9	2.0	0.6	**0.4**	1.2	1.4	2.2	3.5	2.6	2.8	6.2	6.7	8.6	8.5	11.2	9.9	8.3	**0.4**	11.2	4.9
	WNW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	NNW	SE	SE	ENE	SE	SW	WSW	W	SW	SSW	SSW	SSW	SSW	SSW			248(WSW)
Feb 15	7.1	7.8	8.2	8.7	9.1	8.6	8.2	8.7	8.7	8.1	8.8	10.0	9.1	8.1	10.4	11.2	12.8	11.6	11.4	10.2	12.5	12.8	11.2	11.6	7.1	12.8	9.8
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SSW	SSW			212(SSW)
Feb 16	13.1	11.7	10.5	10.9	11.9	10.7	11.9	11.1	11.3	11.3	15.7	17.5	18.5	19.5	22.7	19.7	18.3	17.5	14.0	13.4	16.7	12.5	13.0	10.5	10.5	22.7	14.3
	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW			214(SSW)
Feb 17	12.1	11.3	10.1	11.2	11.8	10.3	9.2	7.9	8.2	10.7	12.7	11.1	8.7	9.7	11.0	12.5	11.9	10.9	11.0	12.3	10.5	6.8	8.0	11.8	6.8	12.7	10.5
	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SSW	SSW	SW	SSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	S	S			203(SSW)
Feb 18	10.6	7.3	8.4	12.7	12.3	12.0	10.1	10.9	8.8	7.9	3.2	5.0	9.5	7.9	10.3	10.0	9.3	5.1	5.1	5.0	6.1	7.4	7.5	2.4	2.4	12.7	8.1
	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	NNW	NNW	WNW	WNW	NW	NW	NW	W	W	WNW	N	NNE	NNW			252(WSW)
Feb 19	4.1	**0.4**	2.5	2.8	4.8	4.0	3.0	5.4	8.2	6.0	1.1	3.8	2.2	2.6	3.5	2.7	5.2	4.0	2.4	3.5	5.0	6.7	6.0	8.0	**0.4**	8.2	**4.1**
	NNE	SW	SE	NE	ENE	E	ESE	E	ESE	ESE	SE	SSW	WSW	WNW	W	WSW	W	W	N	NNE	NE	E	ENE	ENE			77(ENE)
Feb 20	9.2	5.6	4.9	4.8	3.3	1.7	2.0	5.5	1.5	1.9	2.1	5.0	6.0	4.8	3.9	4.3	5.6	8.5	7.9	7.8	9.8	9.6	10.5	9.2	1.5	10.5	5.6
	E	E	SE	SE	SSE	N	NE	S	WNW	SSW	WSW	WSW	WSW	WSW	SSW	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW			206(SSW)
Feb 21	10.2	9.5	12.5	12.0	12.4	12.6	11.5	11.9	10.9	9.8	11.4	14.1	13.6	16.7	19.5	18.4	15.8	13.2	13.1	14.9	13.4	12.8	13.0	14.3	9.5	19.5	13.2
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	SSW	SW			215(SSW)
Feb 22	13.7	14.6	13.9	11.0	12.4	12.3	12.5	13.3	12.1	11.7	12.8	12.1	12.3	13.7	12.5	13.4	13.1	11.9	12.5	12.5	12.5	14.9	15.1	16.8	11.0	16.8	13.1
	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SW	SW			218(SW)
Feb 23	13.1	22.0	22.9	20.5	21.6	27.9	30.5	30.3	28.8	**36.2**	32.4	31.0	30.4	31.6	33.4	31.6	21.3	8.0	11.5	12.1	11.6	12.1	11.4	9.1	8.0	**36.2**	**22.6**
	SSW	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NW	W	SW	SW	SW	SW	SW	SW			244(WSW)
Feb 24	11.2	10.4	10.3	8.8	6.8	6.3	6.9	7.0	3.7	2.5	6.8	7.4	8.0	9.1	9.3	7.2	5.8	4.5	5.2	3.5	4.0	4.2	**0.4**	4.3	**0.4**	11.2	6.4
	WSW	W	W	W	WNW	WNW	W	W	WSW	WSW	W	W	WNW	NW	NNW	NNW	NNW	NNW	NNW	NE	NNE	E	NNE	NNE			295(WNW)
Feb 25	7.5	8.5	9.6	7.5	8.3	10.0	12.2	11.3	12.2	14.5	15.1	13.1	15.3	15.7	17.1	22.0	20.7	19.4	19.4	18.7	19.5	18.3	15.6	13.2	7.5	22.0	14.4
	NNE	N	N	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NNE			44(NE)
Feb 26	14.9	15.4	14.9	15.5	14.5	13.0	11.2	11.3	10.9	13.3	12.4	7.4	7.2	6.5	7.9	8.7	8.1	7.0	5.4	5.3	5.0	4.9	3.3	3.8	3.3	15.5	9.5
	N	N	N	N	N	N	N	N	N	NNE	NNE	N	NNW	NW	NNW	NW	NW	NNW	NW	WNW	WNW	NNW	NW	SW			351(N)
Feb 27	3.5	5.3	4.7	6.7	7.2	8.6	6.9	6.0	4.0	6.5	8.6	11.0	16.8	12.0	7.3	8.6	9.7	9.2	5.7	9.0	10.1	11.9	11.9	11.6	3.5	16.8	8.5
	W	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SW	SW	SW	SW	SSW	S	SW	SW	SSW	SE	SE	SE	ESE	ESE			193(S)
Feb 28	12.4	15.2	14.2	12.5	12.9	12.3	12.0	10.9	10.6	11.1	10.5	8.5	7.3	9.0	10.4	12.4	14.7	14.0	12.1	15.6	16.0	18.7	17.7	16.5	7.3	18.7	12.8
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SSE	SE	ESE	ESE	ESE	E	E	E	E	E	E	E	E			103(ESE)
Feb 29	12.9	12.0	12.8	12.0	6.5	6.9	6.0	1.0	3.1	7.3	7.2	10.4	9.2	9.6	9.7	11.4	12.1	9.7	8.4	11.5	12.1	12.3	10.1	11.0	1.0	12.9	9.4
	E	ENE	ENE	E	ENE	ENE	ENE	NE	SW	WSW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NW			334(NNW)

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.

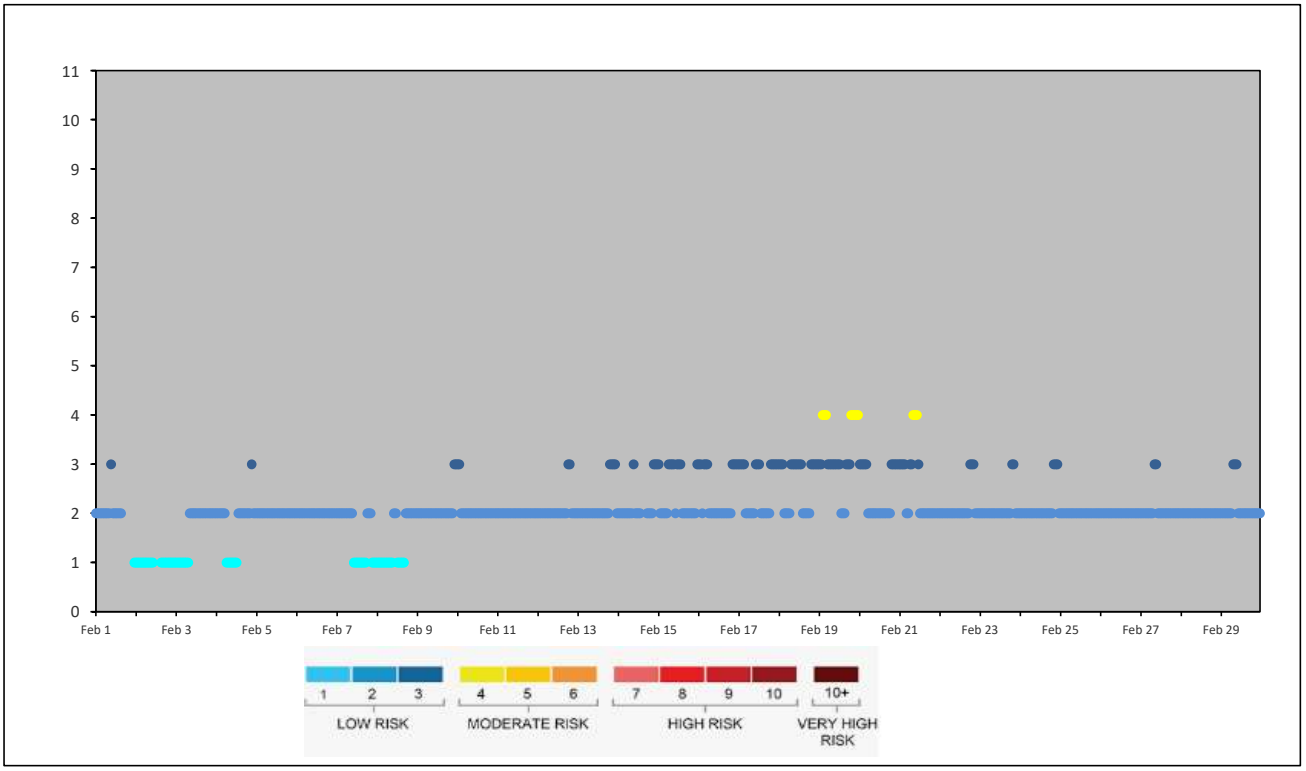
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - February 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
Feb 1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2								1
Feb 2	1	1	1	1	1	1	1	1	1	1	1					1	1	1	1	1	1	1	1	1
Feb 3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 4	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2
Feb 5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 7	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1
Feb 8	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	2
Feb 9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
Feb 10	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
Feb 13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
Feb 14	2	2	2	2	2	2	2	2	2	3	2	2	2	2				2	2	2	2	3	3	3
Feb 15	3	2	2	2	2	2	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	3
Feb 16	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
Feb 17	3	3	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	3	3	3
Feb 18	3	3	3	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3
Feb 19	3	3	**4**	**4**	**4**	3	3	3	3	3	3	3	3	2	2	2	3	3	3	**4**	**4**	**4**	**4**	**4**
Feb 20	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
Feb 21	3	3	3	3	2	2	3	3	**4**	**4**	**4**	3	2	2	2	2	2	2	2	2	2	2	2	2
Feb 22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2
Feb 23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
Feb 24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
Feb 25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 27	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 29	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

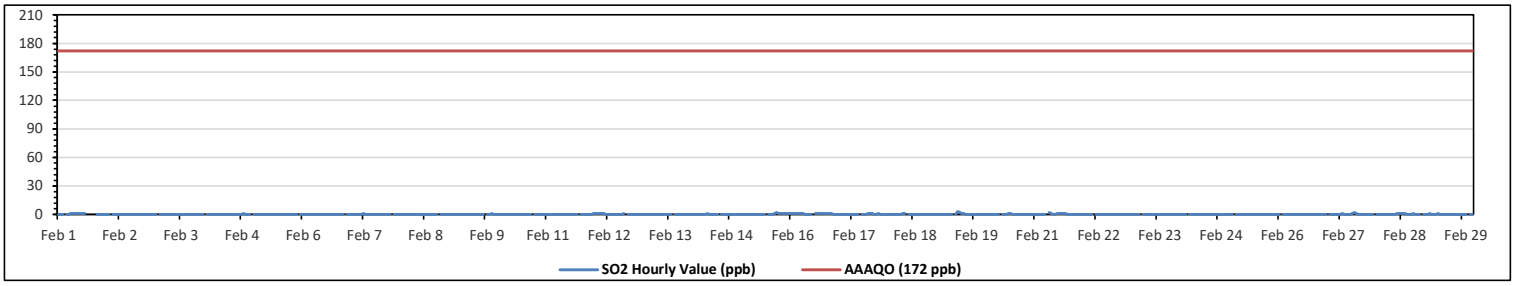
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

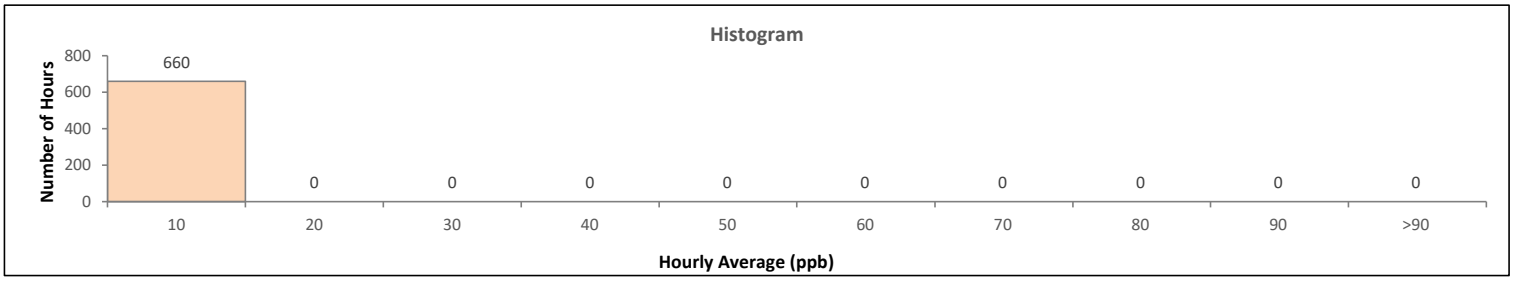
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	3	ppb	on Feb 19 at hr 10	Hours in Service:	696		
Maximum Daily Value:	0.7	ppb	on Feb 16	Hours of Data:	660		
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0		
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	36		
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			
Feb 1	0	0	0	S	0	0	1	1	1	1	1	1	1	1	C	C	C	C	C	0	0	0	0	0	0	1	0.4
Feb 2	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
Feb 3	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
Feb 4	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
Feb 5	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
Feb 6	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
Feb 7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.0
Feb 8	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
Feb 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0	0	0	1	0.0
Feb 10	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
Feb 11	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
Feb 12	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	1	0.3
Feb 13	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
Feb 14	0	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 15	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	2	1	1	1	1	1	1	0	2	0.4
Feb 16	1	1	1	1	1	1	1	0	0	0	0	S	1	1	1	1	1	1	1	1	1	0	0	0	0	1	**0.7**
Feb 17	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	1	1	0	0	1	0	0	0	0	0	1	0.2
Feb 18	0	0	0	0	0	0	0	1	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 19	0	0	0	0	0	0	0	0	S	0	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	**3**	0.3
Feb 20	0	0	0	0	0	0	0	S	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 21	0	0	0	0	0	0	S	2	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2	0.3
Feb 22	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
Feb 23	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
Feb 24	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
Feb 25	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
Feb 26	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
Feb 27	S	0	0	0	0	0	0	1	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	S	0	2	0.2
Feb 28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	S	0	0	1	0.3
Feb 29	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.1
Diurnal Maximum	1	1	1	1	1	1	1	2	1	1	3	2	1	2	1	1	1	2	1	1	1	1	1	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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.



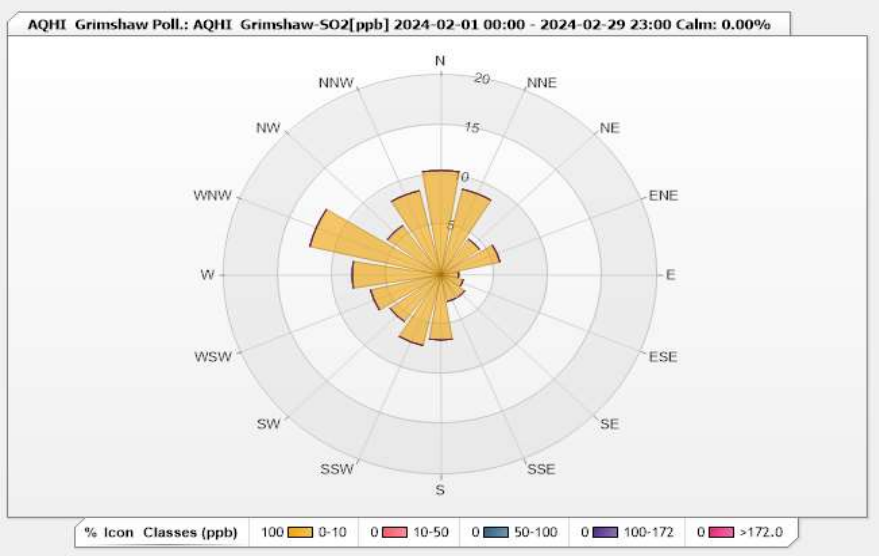


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.83% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	10.45	0	0	0	0	10.45
NNE	8.79	0	0	0	0	8.79
NE	4.39	0	0	0	0	4.39
ENE	5.61	0	0	0	0	5.61
E	1.67	0	0	0	0	1.67
ESE	2.12	0	0	0	0	2.12
SE	2.73	0	0	0	0	2.73
SSE	2.73	0	0	0	0	2.73
S	6.52	0	0	0	0	6.52
SSW	7.27	0	0	0	0	7.27
SW	5.76	0	0	0	0	5.76
WSW	6.67	0	0	0	0	6.67
W	8.18	0	0	0	0	8.18
WNW	12.42	0	0	0	0	12.42
NW	6.06	0	0	0	0	6.06
NNW	8.64	0	0	0	0	8.64
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

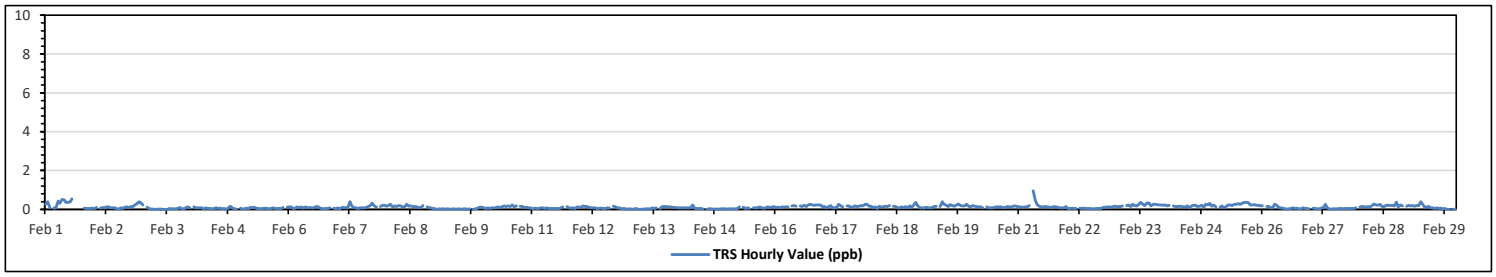
TOTAL REDUCED SULPHUR (TRS) in ppb

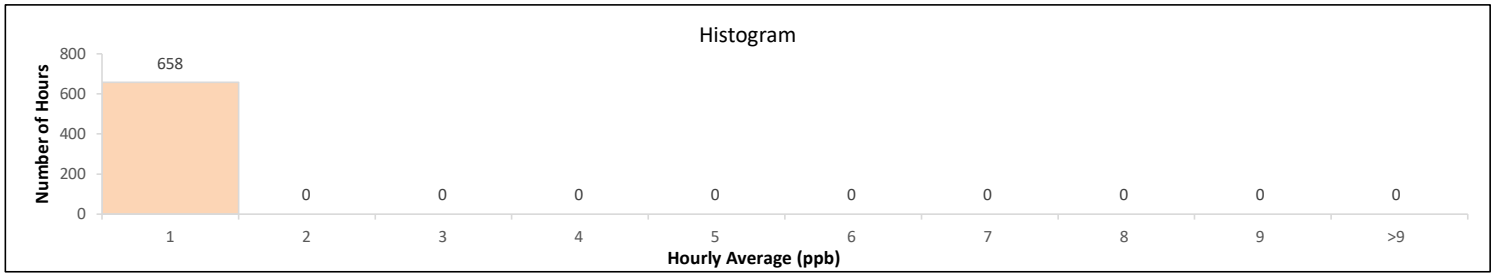
Maximum Hourly Value:	0.95	ppb	on Feb 21 at hr 7	Hours in Service:	696
Maximum Daily Value:	0.25	ppb	on Feb 1	Hours of Data:	658
Minimum Hourly Value:	0.00	ppb	on Feb 3 at hr 6	Hours of Missing Data:	2
Minimum Daily Value:	0.02	ppb	on Feb 9	Hours of Calibration:	36
Monthly Average:	0.12	ppb		Operational 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			
Feb 1	0.25	0.39	0.1	S	0.06	0.07	0.42	0.31	0.5	0.49	0.35	0.36	0.38	0.54	C	C	C	C	C	0.06	0.05	0.05	0.05	0.06	0.05	0.54	**0.25**
Feb 2	0.05	0.1	S	0.06	0.1	0.08	0.12	0.12	0.09	0.08	0.07	0.03	0.01	0.09	0.05	0.11	0.12	0.07	0.14	0.15	0.23	0.29	0.4	0.32	0.01	0.40	0.13
Feb 3	0.23	S	0.11	0.05	0.01	0.01	0	0.01	0.01	0.01	0	0	0	0.04	0.02	0.03	0.03	0.04	0.1	0.03	0.02	0.07	0.13	0.08	0.00	0.23	0.04
Feb 4	S	0.12	0.08	0.09	0.08	0.07	0.02	0.07	0.04	0.05	0.03	0.04	0.07	0.04	0.06	0.03	0.04	0	0.08	0.16	0.08	0.03	0.01	S	0.00	0.16	0.06
Feb 5	0.06	0.01	0.02	0.06	0.02	0.11	0.08	0.11	0.04	0.05	0.02	0.05	0.06	0.04	0.03	0.04	0.08	0.05	0.04	0.04	0.04	0.1	S	0.11	0.01	0.11	0.05
Feb 6	0.12	0.13	0.05	0.06	0.12	0.07	0.12	0.06	0.13	0.07	0.1	0.09	0.07	0.13	0.15	0.08	0.04	0.02	0.05	0.04	0.09	S	0.06	0.02	0.02	0.15	0.08
Feb 7	0.07	0.03	0.1	0.1	0.09	0.07	0.39	0.16	0.1	0.08	0.05	0.07	0.07	0.08	0.1	0.14	0.19	0.32	0.17	0.11	S	0.14	0.21	0.21	0.03	0.39	0.13
Feb 8	0.16	0.2	0.27	0.13	0.17	0.14	0.19	0.18	0.13	0.13	0.27	0.16	0.17	0.15	0.15	0.12	0.1	0.08	0.19	S	0.13	0.09	0.09	0.04	0.04	0.27	0.15
Feb 9	0.02	0	0.02	0.01	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.03	0	0.02	0.02	0	0.02	S	0	0.02	0.06	0.11	0.11	0.00	0.11	0.02
Feb 10	0.08	0.04	0.07	0.04	0.09	0.09	0.07	0.13	0.1	0.12	0.17	0.15	0.18	0.14	0.22	0.12	0.17	S	0.16	0.15	0.1	0.11	0.09	0.07	0.04	0.22	0.12
Feb 11	0.02	0.06	0.04	0.05	0.07	0.07	0.05	0.08	0.04	0.05	0.04	0.05	0.05	0.03	0.07	0.13	S	0.14	0.07	0.06	0.07	0.04	0.13	0.11	0.02	0.14	0.07
Feb 12	0.11	0.17	0.15	0.15	0.1	0.08	0.08	0.09	0.03	0.06	0.06	0.04	0.05	0.09	0.06	S	0.16	0.12	0.06	0.07	0.03	0.04	0.03	0.01	0.01	0.17	0.08
Feb 13	0.03	0.01	0.01	0.04	0.01	0	0.01	0.01	0.03	0.03	0.01	0.07	0.04	0.07	S	0.05	0.14	0.14	0.15	0.12	0.12	0.11	0.1	0.1	0.00	0.15	0.06
Feb 14	0.09	0.09	0.08	0.08	0.07	0.07	0.08	0.23	0.05	0.05	0.04	0.04	0.03	S	0	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.00	0.23	0.05
Feb 15	0.01	0.02	0.03	0.02	0.03	0.02	0.13	NRM	0.11	0.04	0.08	0.04	S	0.07	0.08	0.09	0.13	0.07	0.06	0.09	0.12	0.1	0.11	0.14	0.01	0.14	0.07
Feb 16	0.1	0.11	0.09	0.13	0.11	0.13	0.12	NRM	0.18	0.19	0.16	S	0.18	0.14	0.21	0.14	0.23	0.27	0.22	0.21	0.22	0.22	0.22	0.15	0.09	0.27	0.17
Feb 17	0.14	0.09	0.15	0.19	0.07	0.07	0.1	0.26	0.17	0.13	S	0.17	0.17	0.1	0.12	0.17	0.14	0.16	0.19	0.18	0.26	0.26	0.16	0.16	0.07	0.26	0.16
Feb 18	0.09	0.12	0.05	0.16	0.11	0.12	0.16	0.14	0.19	S	0.16	0.14	0.07	0.09	0.12	0.07	0.14	0.07	0.18	0.1	0.22	0.35	0.19	0.07	0.05	0.35	0.14
Feb 19	0.07	0.06	0.11	0.09	0.08	0.09	0.15	0.16	S	0.15	0.38	0.26	0.2	0.15	0.24	0.19	0.16	0.2	0.28	0.19	0.17	0.17	0.25	0.16	0.06	0.38	0.17
Feb 20	0.12	0.19	0.16	0.15	0.13	0.13	0.08	S	0.12	0.09	0.08	0.08	0.11	0.12	0.13	0.12	0.1	0.08	0.14	0.13	0.12	0.16	0.18	0.14	0.08	0.19	0.12
Feb 21	0.12	0.11	0.11	0.12	0.12	0.19	S	**0.95**	0.45	0.22	0.16	0.13	0.12	0.15	0.12	0.11	0.09	0.15	0.13	0.11	0.07	0.08	0.08	0.15	0.07	**0.95**	0.18
Feb 22	0.05	0.05	0.06	0.04	0.05	S	0.06	0.04	0.06	0.05	0.04	0.04	0.03	0.02	0.05	0.05	0.04	0.09	0.11	0.11	0.13	0.11	0.12	0.16	0.02	0.16	0.07
Feb 23	0.15	0.14	0.15	0.18	S	0.19	0.23	0.15	0.25	0.19	0.18	0.25	0.35	0.26	0.19	0.32	0.32	0.18	0.26	0.26	0.24	0.23	0.23	0.2	0.14	0.35	0.22
Feb 24	0.23	0.17	0.21	S	0.17	0.15	0.15	0.16	0.14	0.12	0.12	0.17	0.08	0.18	0.21	0.21	0.15	0.16	0.2	0.1	0.25	0.23	0.31	0.16	0.08	0.31	0.18
Feb 25	0.2	0.12	S	0.11	0.17	0.09	0.15	0.23	0.23	0.19	0.27	0.26	0.29	0.25	0.31	0.36	0.35	0.34	0.23	0.23	0.24	0.21	0.2	0.17	0.09	0.36	0.23
Feb 26	0.19	S	0.14	0.16	0.09	0.08	0.25	0.21	0.08	0.08	0.06	0.03	0.01	0.03	0.05	0.08	0.04	0.06	0.02	0.03	0.07	0.04	0.04	0.02	0.01	0.25	0.08
Feb 27	S	0.06	0.04	0.02	0.02	0.06	0.1	0.27	0.09	0.01	0.01	0.03	0.03	0.03	0.05	0.04	0.02	0.05	0.04	0.04	0.05	0.05	0.08	S	0.01	0.27	0.05
Feb 28	0.12	0.14	0.14	0.11	0.15	0.11	0.19	0.28	0.22	0.2	0.26	0.14	0.14	0.2	0.2	0.19	0.21	0.17	0.37	0.12	0.23	0.17	S	0.16	0.11	0.37	0.18
Feb 29	0.21	0.18	0.19	0.16	0.19	0.19	0.38	0.25	0.1	0.13	0.15	0.08	0.08	0.05	0.07	0.04	0.06	0.03	0.05	0	0	S	0	0.01	0.00	0.38	0.11
Diurnal Maximum	0.25	0.39	0.27	0.19	0.19	0.19	0.42	0.95	0.50	0.49	0.38	0.36	0.38	0.54	0.31	0.36	0.35	0.34	0.37	0.26	0.26	0.35	0.40	0.32			
Diurnal Average	0.11	0.11	0.10	0.09	0.09	0.09	0.14	0.18	0.13	0.11	0.12	0.11	0.11	0.12	0.11	0.11	0.12	0.11	0.14	0.10	0.12	0.13	0.13	0.12			

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.



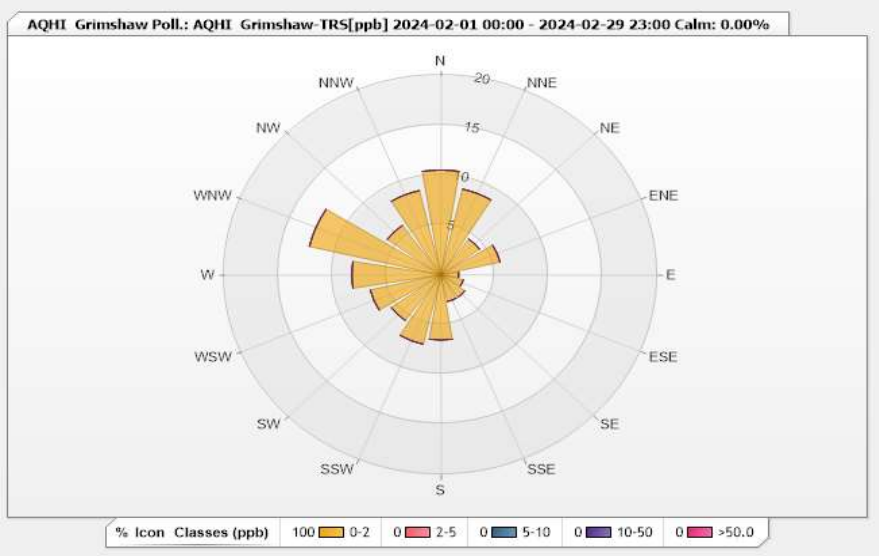


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.54% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	10.49	0	0	0	0	10.49
NNE	8.81	0	0	0	0	8.81
NE	4.41	0	0	0	0	4.41
ENE	5.62	0	0	0	0	5.62
E	1.67	0	0	0	0	1.67
ESE	2.13	0	0	0	0	2.13
SE	2.74	0	0	0	0	2.74
SSE	2.74	0	0	0	0	2.74
S	6.53	0	0	0	0	6.53
SSW	7.14	0	0	0	0	7.14
SW	5.62	0	0	0	0	5.62
WSW	6.69	0	0	0	0	6.69
W	8.21	0	0	0	0	8.21
WNW	12.46	0	0	0	0	12.46
NW	6.08	0	0	0	0	6.08
NNW	8.66	0	0	0	0	8.66
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

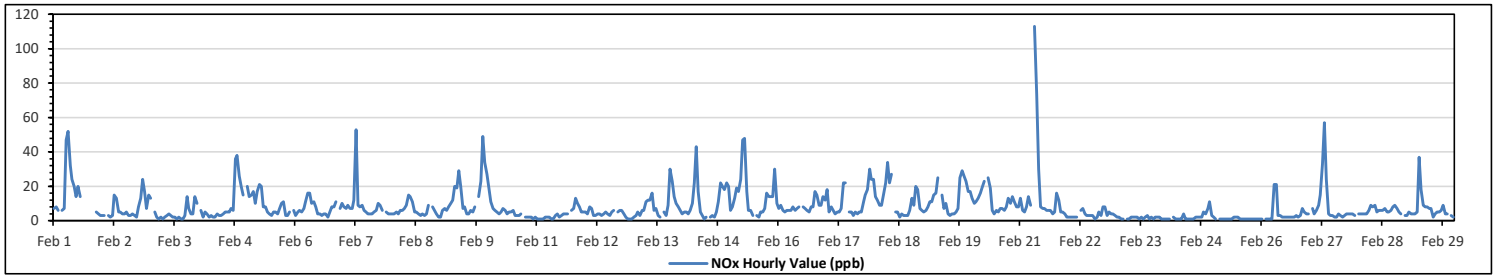
OXIDES OF NITROGEN (NOx) in ppb

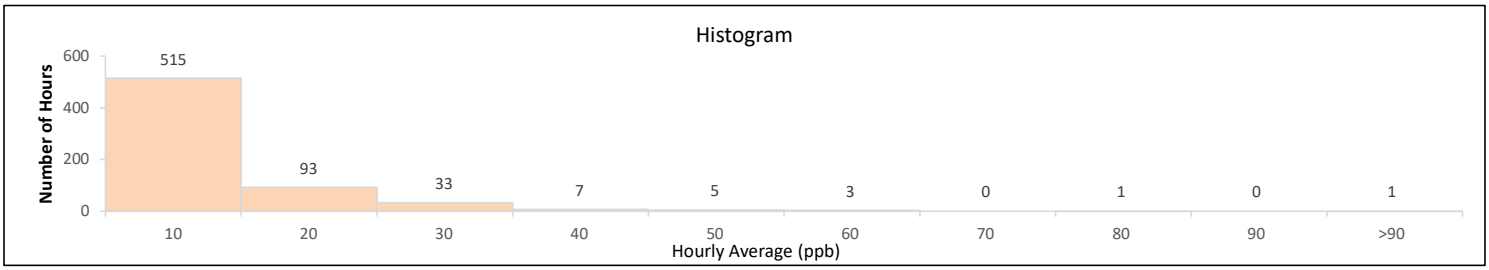
Maximum Hourly Value:	113	ppb	on Feb 21 at hr 7	Hours in Service:	696	
Maximum Daily Value:	15.8	ppb	on Feb 21	Hours of Data:	658	
Minimum Hourly Value:	1	ppb	on Feb 3 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	1.2	ppb	on Feb 25	Hours of Calibration:	38	
Monthly Average:	8.1	ppb		Operational 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			
Feb 1	7	8	6	S	6	7	47	52	32	24	20	14	20	14	C	C	C	C	C	C	C	5	4	3	3	52	NA
Feb 2	3	3	S	3	2	3	15	13	5	5	4	4	5	3	3	4	3	2	8	13	24	17	7	15	2	24	7.1
Feb 3	13	S	5	2	1	2	1	2	3	4	3	2	2	1	2	1	1	3	14	7	4	4	14	10	1	14	4.4
Feb 4	S	6	2	5	4	2	3	2	2	4	3	3	4	5	5	5	7	6	36	38	26	20	15	S	2	38	9.2
Feb 5	20	14	15	17	10	17	21	20	8	8	5	4	3	5	5	4	7	10	11	3	3	5	S	6	3	21	9.6
Feb 6	3	5	6	5	7	11	16	16	10	11	8	4	4	3	4	4	2	5	8	8	11	S	7	10	2	16	7.3
Feb 7	8	7	9	7	7	12	53	9	8	9	6	5	4	4	4	5	6	10	9	6	S	5	4	4	4	53	8.7
Feb 8	4	4	5	4	6	6	7	9	15	14	11	5	5	4	3	4	3	4	9	S	8	6	4	2	2	15	6.2
Feb 9	2	6	7	6	8	10	12	20	19	29	20	7	8	4	4	6	5	8	S	14	23	49	34	27	2	49	14.3
Feb 10	19	11	7	6	5	4	5	7	6	4	5	5	6	3	3	3	4	S	2	2	2	2	1	2	1	19	5.0
Feb 11	1	1	1	1	2	2	2	1	1	3	4	2	3	4	4	4	S	6	7	13	10	8	5	5	1	13	3.9
Feb 12	5	4	8	7	3	3	4	4	3	4	5	4	3	5	6	S	5	6	6	4	2	1	1	1	1	8	4.1
Feb 13	2	3	5	3	6	6	11	12	12	16	6	7	3	2	S	5	3	9	30	23	14	10	8	6	2	30	8.8
Feb 14	4	5	5	4	6	10	22	43	17	5	3	1	2	S	2	3	2	5	11	22	20	18	22	20	1	43	11.0
Feb 15	6	8	13	19	17	24	47	48	17	6	6	3	S	3	2	5	5	7	16	14	14	14	30	10	2	48	14.5
Feb 16	7	9	6	5	6	6	6	8	6	7	8	S	8	7	6	5	8	8	17	15	9	9	14	12	5	17	8.3
Feb 17	18	5	8	6	4	5	5	7	22	22	S	5	5	3	5	4	5	5	11	15	18	30	24	24	3	30	11.1
Feb 18	14	12	9	9	15	22	34	22	27	S	5	5	2	4	3	3	3	6	13	9	20	18	7	6	2	34	11.7
Feb 19	5	6	8	11	11	15	16	25	S	15	7	10	4	3	4	4	5	7	25	29	26	23	17	17	3	29	12.7
Feb 20	13	10	11	13	16	19	23	S	25	19	6	4	6	5	7	7	6	8	13	10	14	11	8	8	4	25	11.4
Feb 21	13	6	5	8	14	9	S	**113**	73	30	8	7	7	6	6	6	4	5	16	12	5	5	4	2	2	**113**	**15.8**
Feb 22	2	2	2	2	2	S	6	7	4	3	3	3	3	1	2	5	3	8	8	3	5	4	4	3	1	8	3.7
Feb 23	2	2	1	1	S	1	1	2	2	2	2	1	2	1	2	3	1	2	1	2	2	2	1	1	1	3	1.6
Feb 24	1	1	1	S	2	1	1	1	1	4	1	1	1	1	1	2	2	2	2	5	4	7	11	3	1	11	2.4
Feb 25	2	1	S	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	**1.2**
Feb 26	1	S	1	1	1	1	21	21	3	3	2	2	2	2	2	2	2	3	2	3	7	5	4	4	1	21	4.1
Feb 27	S	7	4	6	9	15	33	57	24	4	3	3	2	2	4	3	2	3	4	4	4	4	3	S	2	57	9.1
Feb 28	4	4	4	4	4	6	9	8	9	5	6	6	6	7	5	5	6	8	9	7	5	4	S	3	3	9	5.8
Feb 29	3	5	4	4	4	5	37	18	9	8	8	7	7	2	4	5	5	6	9	4	4	S	3	2	2	37	7.1
Diurnal Maximum	20	14	15	19	17	24	53	113	73	30	20	14	20	14	7	7	8	10	36	38	26	49	34	27			
Diurnal Average	6.7	5.7	5.9	5.9	6.4	8.0	16.4	19.6	13.0	9.6	6.1	4.5	4.6	3.8	3.7	4.0	3.9	5.7	11.0	10.6	10.6	10.6	9.5	7.7			

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.



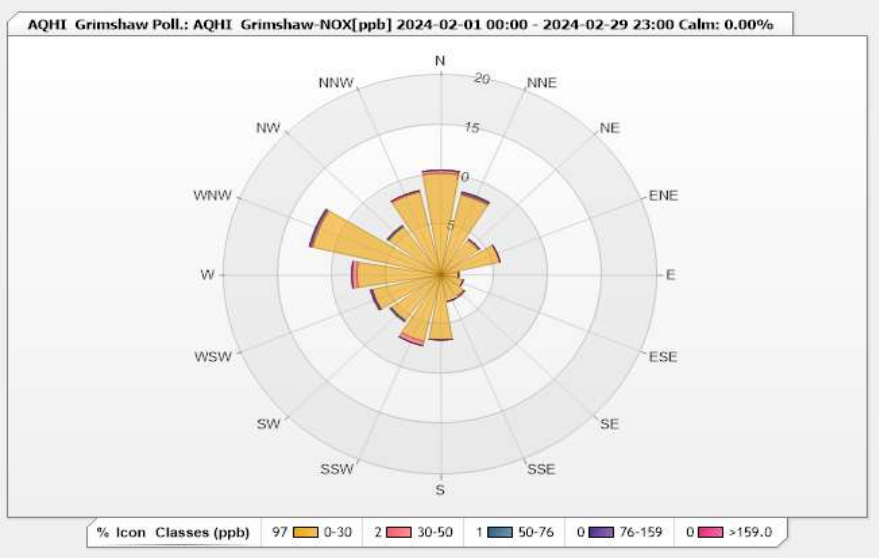


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.54% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	10.18	0.3	0	0	0	10.48
NNE	8.21	0.15	0.15	0	0	8.51
NE	4.26	0.15	0	0	0	4.41
ENE	5.62	0	0	0	0	5.62
E	1.67	0	0	0	0	1.67
ESE	2.13	0	0	0	0	2.13
SE	2.58	0.15	0	0	0	2.73
SSE	2.74	0	0	0	0	2.74
S	6.53	0	0	0	0	6.53
SSW	6.84	0.46	0	0	0	7.3
SW	5.62	0	0.15	0	0	5.77
WSW	6.53	0	0	0.15	0	6.68
W	7.75	0.46	0	0	0	8.21
WNW	12.16	0.15	0.15	0	0	12.46
NW	5.93	0	0.15	0	0	6.08
NNW	8.51	0.15	0	0	0	8.66
Summary	97.26	1.97	0.6	0.15	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

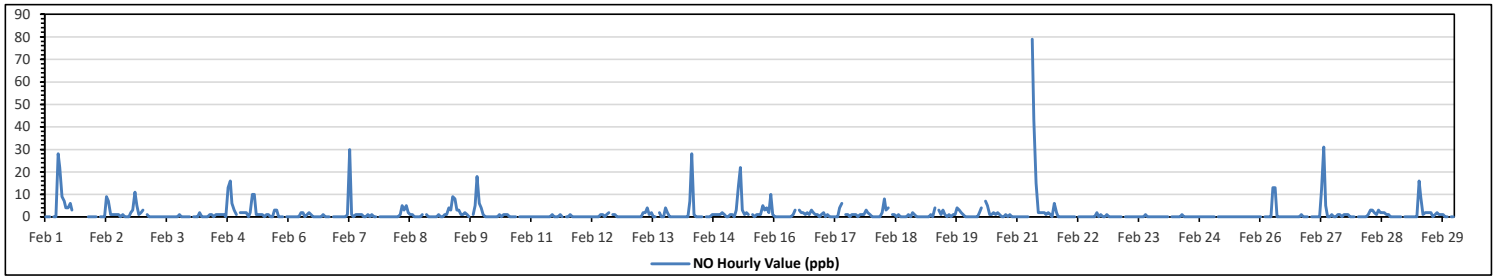
NITRIC OXIDE (NO) in ppb

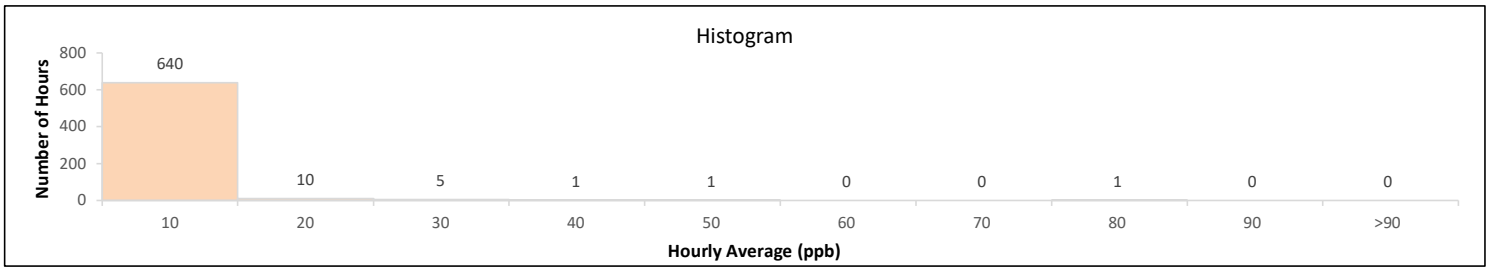
Maximum Hourly Value:	79	ppb	on Feb 21 at hr 7	Hours in Service:	696
Maximum Daily Value:	6.8	ppb	on Feb 21	Hours of Data:	658
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Feb 25	Hours of Calibration:	38
Monthly Average:	1.4	ppb		Operational Uptime:	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			
Feb 1	0	0	0	S	0	0	28	22	9	7	4	4	6	3	C	C	C	C	C	C	C	0	0	0	0	28	NA
Feb 2	0	0	S	0	0	0	9	7	1	1	1	1	1	0	1	0	0	0	2	3	11	5	1	2	0	11	2.0
Feb 3	3	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0.2
Feb 4	S	0	0	0	2	0	0	0	0	1	1	0	1	1	1	1	1	0	13	16	6	3	1	S	0	16	2.2
Feb 5	2	2	2	2	0	2	10	10	1	1	1	1	0	1	1	0	0	3	3	0	0	0	S	0	0	10	1.8
Feb 6	0	0	0	0	0	0	2	2	0	1	2	1	0	0	0	0	0	1	0	0	0	S	0	0	0	2	0.4
Feb 7	0	0	0	0	0	1	30	1	0	1	1	1	1	0	0	1	0	1	0	0	S	0	0	0	0	30	1.7
Feb 8	0	0	0	0	0	0	0	1	5	3	5	2	1	1	0	0	0	0	1	S	1	0	0	0	0	5	0.9
Feb 9	0	0	1	0	0	1	1	4	3	9	8	3	3	1	1	2	1	0	S	1	5	18	6	4	0	18	3.1
Feb 10	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	S	0	0	0	0	0	0	0	1	0.2
Feb 11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	S	0	0	1	0	0	0	0	0	1	0.1
Feb 12	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	S	1	1	0	0	0	0	0	0	0	2	0.3
Feb 13	0	0	0	0	0	0	0	2	2	4	1	2	0	0	S	2	0	0	4	2	0	0	0	0	0	4	0.8
Feb 14	0	0	0	0	0	0	7	28	1	0	0	0	0	S	0	0	0	1	1	1	1	1	2	1	0	28	1.9
Feb 15	0	0	1	1	0	3	14	22	3	1	2	1	S	1	0	1	1	1	5	3	4	2	10	1	0	22	3.3
Feb 16	0	0	0	0	0	0	0	0	0	1	3	S	3	2	2	1	2	1	3	2	1	1	0	1	0	3	1.0
Feb 17	2	0	1	0	0	0	0	0	4	6	S	1	1	0	1	1	1	0	1	1	1	3	2	1	0	6	1.2
Feb 18	0	0	0	0	0	2	8	3	4	S	1	1	0	1	0	0	0	0	1	0	2	1	0	0	0	8	1.0
Feb 19	0	0	0	0	0	1	0	4	S	3	1	3	1	0	1	0	1	1	4	3	2	1	0	0	0	4	1.1
Feb 20	0	0	0	0	0	2	4	S	7	5	1	1	2	1	2	1	0	0	1	0	1	0	0	0	0	7	1.2
Feb 21	0	0	0	0	0	0	S	79	43	15	2	2	2	2	1	2	1	0	6	2	0	0	0	0	0	79	6.8
Feb 22	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	2	0.2
Feb 23	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.0
Feb 24	0	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 25	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
Feb 26	0	S	0	0	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	13	1.2
Feb 27	S	0	0	0	0	0	12	31	5	0	0	1	0	0	1	1	0	1	1	1	0	0	0	S	0	31	2.5
Feb 28	0	0	0	0	0	1	3	3	2	1	3	2	2	2	1	1	0	0	0	0	0	0	S	0	0	3	0.9
Feb 29	0	0	0	0	0	0	16	9	1	2	2	2	2	0	1	2	1	1	1	0	0	S	0	0	0	16	1.7
Diurnal Maximum	3	2	2	2	2	3	30	79	43	15	8	4	6	3	2	2	2	3	13	16	11	18	10	4			
Diurnal Average	0.3	0.1	0.2	0.1	0.1	0.5	5.6	8.6	3.3	2.3	1.5	1.1	1.0	0.6	0.6	0.7	0.4	0.5	1.8	1.3	1.4	1.3	0.8	0.4			

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.



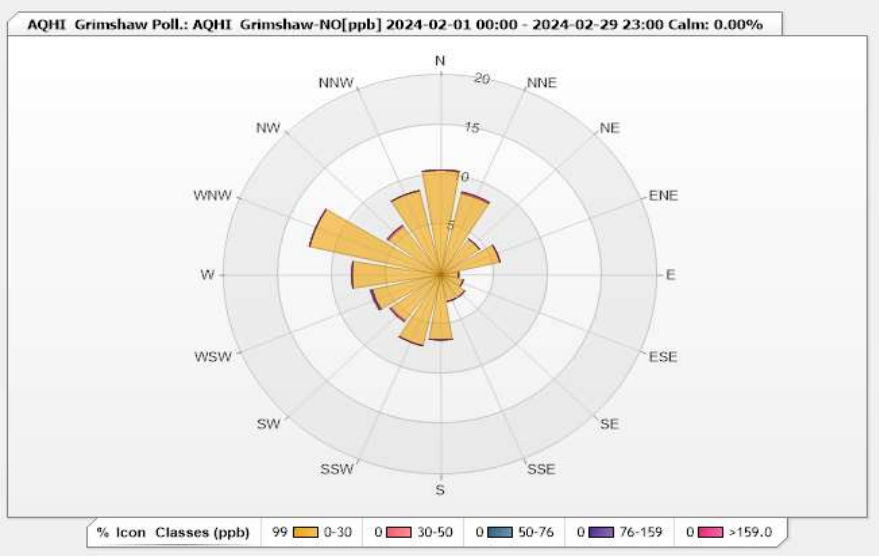


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.54% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	10.49	0	0	0	0	10.49
NNE	8.36	0.15	0	0	0	8.51
NE	4.41	0	0	0	0	4.41
ENE	5.62	0	0	0	0	5.62
E	1.67	0	0	0	0	1.67
ESE	2.13	0	0	0	0	2.13
SE	2.74	0	0	0	0	2.74
SSE	2.74	0	0	0	0	2.74
S	6.53	0	0	0	0	6.53
SSW	7.29	0	0	0	0	7.29
SW	5.62	0.15	0	0	0	5.77
WSW	6.53	0	0	0.15	0	6.68
W	8.21	0	0	0	0	8.21
WNW	12.46	0	0	0	0	12.46
NW	5.93	0.15	0	0	0	6.08
NNW	8.66	0	0	0	0	8.66
Summary	99.39	0.45	0	0.15	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

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

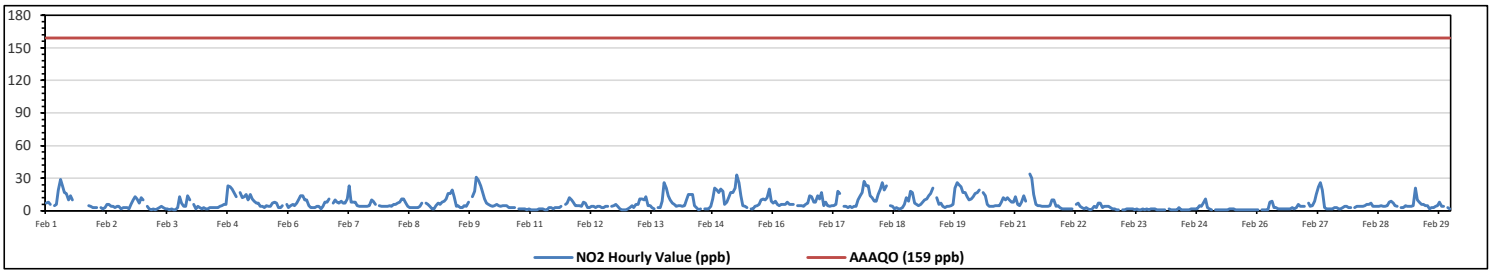
Number of 1-Hour Exceedances: 0

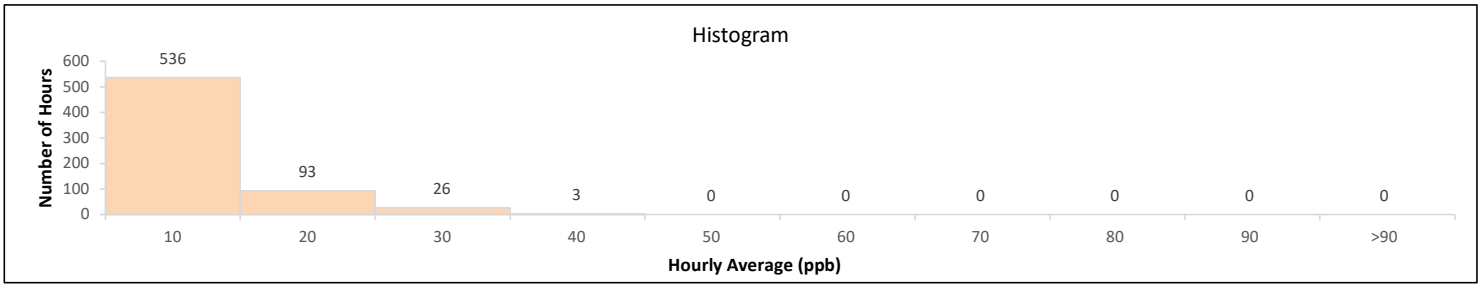
Maximum Hourly Value:	34	ppb	on Feb 21 at hr 7	Hours in Service:	696
Maximum Daily Value:	11.7	ppb	on Feb 19	Hours of Data:	658
Minimum Hourly Value:	1	ppb	on Feb 3 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	1.2	ppb	on Feb 25	Hours of Calibration:	38
Monthly Average:	6.6	ppb		Operational Uptime:	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			
Feb 1	7	8	6	S	5	6	19	29	23	17	16	10	14	10	C	C	C	C	C	C	C	5	4	3	3	29	NA
Feb 2	3	3	S	3	2	3	6	6	4	4	3	4	4	2	3	3	3	2	6	10	13	11	7	12	2	13	5.1
Feb 3	10	S	4	2	1	2	1	2	3	4	3	2	2	1	2	1	1	3	13	7	4	4	14	10	1	14	4.2
Feb 4	S	6	2	4	3	2	3	2	2	3	3	3	3	3	4	5	6	6	23	22	20	17	13	S	2	23	7.0
Feb 5	17	12	13	15	10	15	11	9	7	7	4	4	3	5	4	4	7	8	7	3	3	5	S	6	3	17	7.8
Feb 6	3	5	6	5	7	11	14	14	10	10	5	3	3	3	4	4	2	4	8	8	11	S	7	10	2	14	6.8
Feb 7	8	7	9	7	7	11	23	8	8	8	5	4	4	4	4	4	5	10	9	6	S	5	4	4	4	23	7.1
Feb 8	4	4	5	4	6	6	7	8	11	11	7	4	3	3	3	3	3	4	7	S	7	6	4	2	2	11	5.3
Feb 9	2	5	7	6	8	9	11	16	16	19	13	4	5	3	3	5	4	8	S	13	18	31	28	23	2	31	11.2
Feb 10	18	11	7	6	5	4	5	6	5	4	5	5	5	3	3	3	3	S	2	2	2	2	1	2	1	18	4.7
Feb 11	1	1	1	1	2	2	2	1	1	3	3	2	3	3	3	4	S	6	7	12	10	8	5	5	1	12	3.7
Feb 12	5	4	8	7	3	3	4	4	3	4	4	3	3	4	4	S	4	5	6	4	2	1	1	1	1	8	3.8
Feb 13	2	3	5	3	6	6	11	11	10	13	5	5	3	2	S	3	3	9	26	21	14	10	7	6	2	26	8.0
Feb 14	4	5	5	4	5	10	15	15	15	5	3	1	2	S	2	2	2	4	11	21	19	17	20	18	1	21	8.9
Feb 15	6	8	13	17	17	21	33	26	14	5	4	3	S	2	2	4	5	6	10	11	10	12	20	9	2	33	11.2
Feb 16	7	9	6	5	6	6	6	8	6	6	6	S	5	5	5	4	6	7	14	13	8	8	14	11	4	14	7.4
Feb 17	17	5	8	5	4	5	5	6	18	16	S	4	4	3	4	3	4	4	10	14	17	27	23	23	3	27	10.0
Feb 18	14	12	9	9	15	20	26	19	23	S	5	4	2	3	2	2	3	6	12	9	18	17	7	6	2	26	10.6
Feb 19	5	6	8	10	11	14	16	21	S	12	6	7	4	3	4	4	5	6	21	26	24	22	17	17	3	26	**11.7**
Feb 20	13	10	11	13	16	17	19	S	17	14	6	4	4	4	5	5	5	8	12	10	12	10	8	8	4	19	10.0
Feb 21	13	6	5	8	14	9	S	**34**	30	15	6	5	5	4	4	4	4	5	10	10	4	5	3	2	2	**34**	8.9
Feb 22	2	2	2	2	2	S	6	7	4	3	2	3	2	1	2	4	3	7	7	3	4	4	4	3	1	7	3.4
Feb 23	2	2	1	1	S	1	1	2	2	2	2	1	2	1	1	2	1	2	1	2	2	2	1	1	1	2	1.5
Feb 24	1	1	1	S	2	1	1	1	1	3	1	1	1	1	1	2	2	2	2	5	4	7	11	3	1	11	2.4
Feb 25	2	1	S	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	**1.2**
Feb 26	1	S	1	1	1	1	8	9	3	3	2	2	2	2	2	2	2	3	2	3	6	4	4	4	1	9	3.0
Feb 27	S	7	4	5	9	15	22	26	19	3	2	2	2	2	3	3	2	2	3	4	4	3	3	S	2	26	6.6
Feb 28	3	4	4	4	4	5	6	6	7	4	4	4	4	5	4	4	5	8	9	7	5	4	S	3	3	9	4.9
Feb 29	3	5	4	4	4	5	21	10	8	6	6	5	5	2	3	3	4	5	8	4	4	S	3	2	2	21	5.4
Diurnal Maximum	18	12	13	17	17	21	33	34	30	19	16	10	14	10	5	5	7	10	26	26	24	31	28	23			
Diurnal Average	6.4	5.6	5.7	5.6	6.3	7.5	10.8	11.0	9.7	7.3	4.8	3.6	3.6	3.0	3.0	3.3	3.5	5.2	9.1	9.3	9.1	9.2	8.7	7.2			

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.



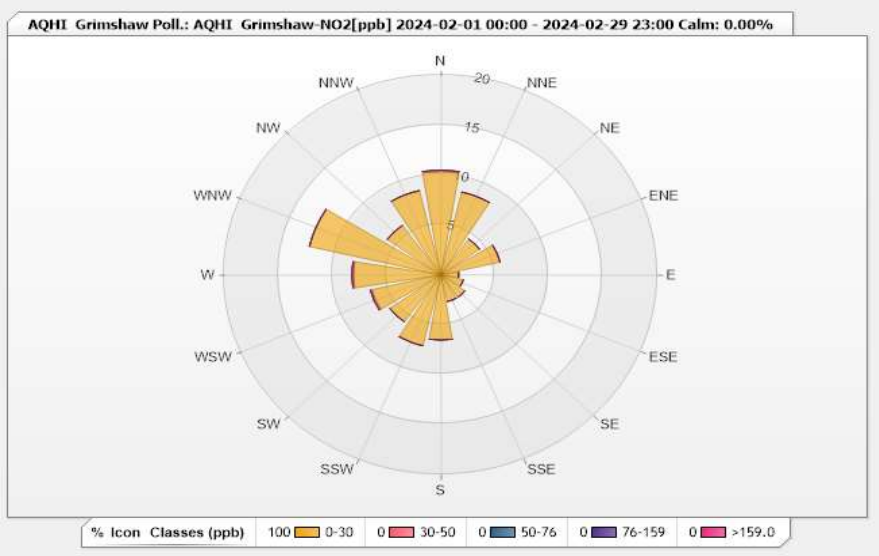


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.54% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	10.33	0.15	0	0	0	10.48
NNE	8.51	0	0	0	0	8.51
NE	4.41	0	0	0	0	4.41
ENE	5.62	0	0	0	0	5.62
E	1.67	0	0	0	0	1.67
ESE	2.13	0	0	0	0	2.13
SE	2.74	0	0	0	0	2.74
SSE	2.74	0	0	0	0	2.74
S	6.53	0	0	0	0	6.53
SSW	7.29	0	0	0	0	7.29
SW	5.78	0	0	0	0	5.78
WSW	6.53	0.15	0	0	0	6.68
W	8.05	0.15	0	0	0	8.2
WNW	12.46	0	0	0	0	12.46
NW	6.08	0	0	0	0	6.08
NNW	8.66	0	0	0	0	8.66
Summary	100	0.45	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

OZONE (O_3) in ppb

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

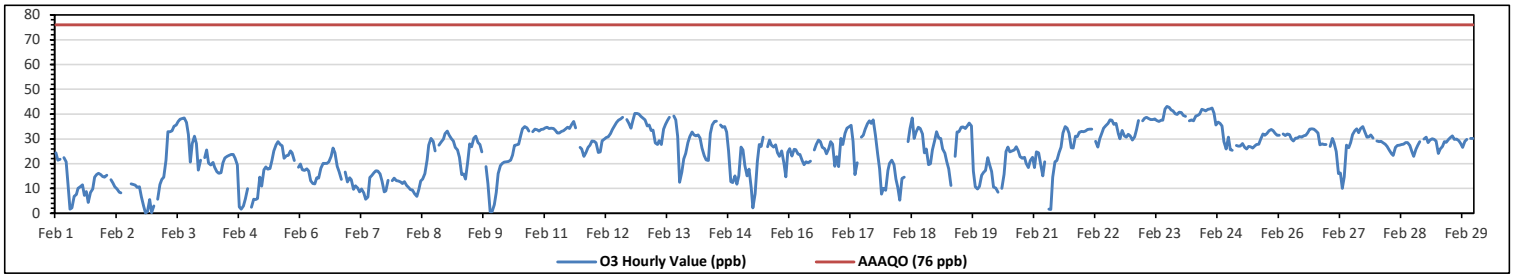
Number of 1-Hour Exceedances: 0

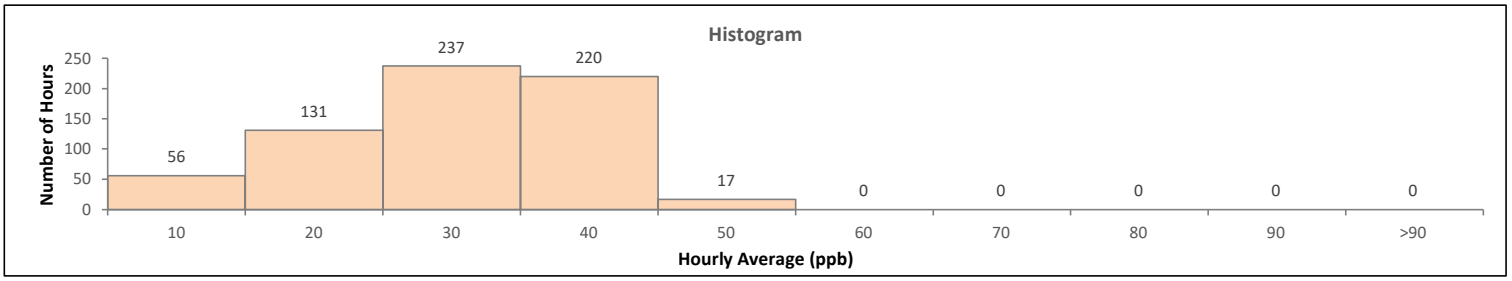
Maximum Hourly Value:	43.1	ppb	on Feb 23 at hr 17	Hours in Service:	696
Maximum Daily Value:	38.2	ppb	on Feb 23	Hours of Data:	661
Minimum Hourly Value:	0.1	ppb	on Feb 2 at hr 20	Hours of Missing Data:	0
Minimum Daily Value:	8.7	ppb	on Feb 2	Hours of Calibration:	35
Monthly Average:	25.0	ppb		Operational 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			
Feb 1	24.3	21.4	21.8	S	22.4	20.7	11.3	1.7	2.2	6.9	7.6	10.1	10.7	11.4	7.2	8.8	4.4	8.4	9.7	14.5	15.6	16.1	15.5	14.9	1.7	24.3	12.5
Feb 2	14.6	15.4	S	13.5	12.2	10.7	9.7	8.5	8.2	C	C	C	C	11.8	11.6	11.3	10.5	10.7	6.7	2.9	0.1	0.6	5.5	0.3	**0.1**	15.4	**8.7**
Feb 3	2.9	S	5.6	11.5	13.6	14.6	21.4	32.8	32.8	33.2	35.1	35.6	37	37.9	38.2	38.4	36.7	31.8	20.6	28.1	31	28.2	17.5	21.4	2.9	38.4	26.3
Feb 4	S	22.4	25.5	20.2	19.5	20.5	18.6	16.7	16.1	16.4	20.3	22.3	23	23.4	23.8	23.8	22.1	19.5	2.6	1.6	2.9	5.8	9.9	S	1.6	25.5	17.1
Feb 5	2.4	5.7	5.5	5.9	14.6	11	17.6	18.7	17.8	18	21.3	25.2	27.6	28.8	27.7	27.2	22.2	23.2	23.3	25.2	24.4	21.3	S	18.5	2.4	28.8	18.8
Feb 6	19.8	17.6	17.3	17.9	17	13.2	12	11.8	14.3	14.2	18.1	20.1	20.1	20.1	20.8	23	26.2	24.4	18.9	16.7	13.6	S	16.6	12.7	11.8	26.2	17.7
Feb 7	14.3	13.5	9.6	11.1	10.2	8.7	9.8	8.3	5.6	6.6	14.4	15.3	16.4	17.1	17	15.8	13	8.7	9	13.3	S	13.2	14.2	13.2	5.6	17.1	12.1
Feb 8	13.1	12.6	12	12.8	11.2	10.5	9.5	9.4	7.8	6.9	9.5	13	13.7	16	21.5	27.5	30.2	29	25.2	S	27.5	28.7	30	32.2	6.9	32.2	17.8
Feb 9	33.1	31.5	30.1	29.2	26.5	25.5	22.6	15.5	15.8	13.7	20.9	28	26.8	30.4	31	28.4	27.8	24.7	S	18.8	12	0.6	0.6	3.4	0.6	33.1	21.6
Feb 10	8.4	16	19.2	20.1	20.6	20.8	20.9	21.4	23.5	27.4	27.6	27.9	31.6	34.1	34.9	34.5	33.1	S	32.8	34	33.7	33.1	33.8	34	8.4	34.9	27.1
Feb 11	34.5	34.7	34.2	34.3	34.2	33.4	32.4	32.4	33	33.2	34	34.7	34.2	35.8	37	34.5	S	26.5	25.9	23	24.4	26.5	27.5	29.2	23.0	37.0	31.7
Feb 12	29	28.3	24.5	24.7	29.3	29.9	30.5	30.8	32.1	33.8	35.3	36.7	37.5	38	38.7	S	37.8	36.4	34.4	37.4	40.3	40.3	40	39	24.5	40.3	34.1
Feb 13	38.4	37.7	35.2	35.6	33.4	33.5	28.3	27.7	29.3	27.7	34	35.9	37.4	38.8	S	39.2	37.6	30.9	12.5	16.6	21.9	24.1	28.5	30.9	12.5	39.2	31.1
Feb 14	32.7	31.6	31.2	31.6	30.3	26.3	23.2	21.6	21.3	32.1	35.6	37	37.1	S	35.6	34.7	34.9	32.7	25.2	12.8	12.3	15.1	11.7	15.1	11.7	37.1	27.0
Feb 15	26.7	25.5	19.2	15.1	17.8	10	2.2	7.8	20.9	27.7	26.9	30.6	S	26.8	29.5	27.5	26.7	27.6	24.3	23	25.2	20.2	14.7	24.6	2.2	30.6	21.8
Feb 16	26.1	23.1	25.8	25.7	23.9	23.7	21.3	19.6	20.8	20.4	21	S	25.6	27.7	29.6	28.9	26.5	26.1	24	26.1	28.8	27.9	19	22.8	19.0	29.6	24.5
Feb 17	18.8	30.2	27.8	32.3	34.4	34.8	35.4	29	15.6	20.4	S	30.6	31.5	33.9	36.1	37.3	36.2	37.6	31.5	23.9	17.9	7.7	10.1	9.2	7.7	37.6	27.1
Feb 18	17.3	20.1	21.4	19.6	13.8	10.3	5.2	14	14.6	S	28.9	34.2	38.4	30.2	32.7	34.7	34.2	32	24.3	25.9	19.6	19.9	25.6	29.3	5.2	38.4	23.7
Feb 19	32.9	30.3	30.2	26	24.2	20.7	17.9	11.2	S	22.9	32.7	32.9	34.7	34.8	34.2	35.2	36.4	35.2	17	10.7	9.7	10.9	15.4	16.5	9.7	36.4	24.9
Feb 20	17.3	22.4	19.5	16.9	10.6	10.2	8.5	S	10.1	15.7	24.9	26.6	24.8	25.1	25.6	26.8	25.3	22.8	22.1	22.5	20.1	18.4	21.3	22.6	8.5	26.8	20.0
Feb 21	18.4	24.8	24.4	19.4	15.1	20.8	S	1.6	1.5	14.5	20.7	21.3	24.5	26.6	32.4	34.9	34.3	32.3	26.4	26.2	31	30.9	32.6	33	1.5	34.9	23.8
Feb 22	32.9	33.1	33.8	34	33.9	S	29	26.7	30.1	32.5	34.4	35.3	36.3	37.7	37.5	35.9	36.3	32.2	30.1	33.4	31.2	30.6	31.9	31.2	26.7	37.7	33.0
Feb 23	29.5	30.8	33.8	37.4	S	37.2	38.3	38.8	38.2	37.8	37.8	38	37.4	37	37.5	37.5	42	**43.1**	42.7	41.6	41.3	40.1	39.8	40.8	29.5	**43.1**	**38.2**
Feb 24	40.6	39.4	39.1	S	37.2	37.6	37.3	39.2	39.4	40	41.9	41.6	41.2	41.9	42.1	42.4	40.4	35.6	36.8	36.3	35.2	28.9	25.9	30.6	25.9	42.4	37.9
Feb 25	25.7	25.4	S	27.3	27.1	27.1	28.2	26.5	26	26.9	26.8	26.3	27.2	27.7	27.9	30	32	31.4	32.1	33.2	33.8	33.3	32.3	31.4	25.4	33.8	28.9
Feb 26	31.5	S	32	31.3	32	31.8	29.9	29.1	30.4	30.4	30.9	30.6	31.2	31.5	32.5	34	34.1	33.9	33.3	32.4	27.6	28	27.7	27.8	27.6	34.1	31.0
Feb 27	S	27	30.2	28.5	24.9	16	16.2	10.1	14.7	27.5	26.4	28.4	31.8	33.3	34.1	32.5	34.2	34.9	32.6	30.6	30.8	31.6	30.3	S	10.1	34.9	27.6
Feb 28	29.2	28.8	29	28.3	27.9	26.9	25.4	24	23.4	26.5	27.3	27.5	27.7	27.9	28.5	28.5	27.3	25	22.9	25.8	27.5	28.9	S	29.9	22.9	29.9	27.1
Feb 29	30.6	28.4	29.6	30.1	29.8	29.1	24.1	25.9	26.9	28.8	28.6	29.8	30.5	31.2	29.8	29.9	29.3	28.1	26.5	29	29.8	S	30.2	30.2	24.1	31.2	29.0
Diurnal Maximum	40.6	39.4	39.1	37.4	37.2	37.6	38.3	39.2	39.4	40.0	41.9	41.6	41.2	41.9	42.1	42.4	42.0	43.1	42.7	41.6	41.3	40.3	40.0	40.8			
Diurnal Average	23.9	25.1	24.7	23.7	23.1	22.0	21.0	20.0	20.4	23.8	26.8	28.7	29.5	29.2	29.8	30.1	29.7	28.0	24.1	23.8	23.9	22.6	22.5	23.9			

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.



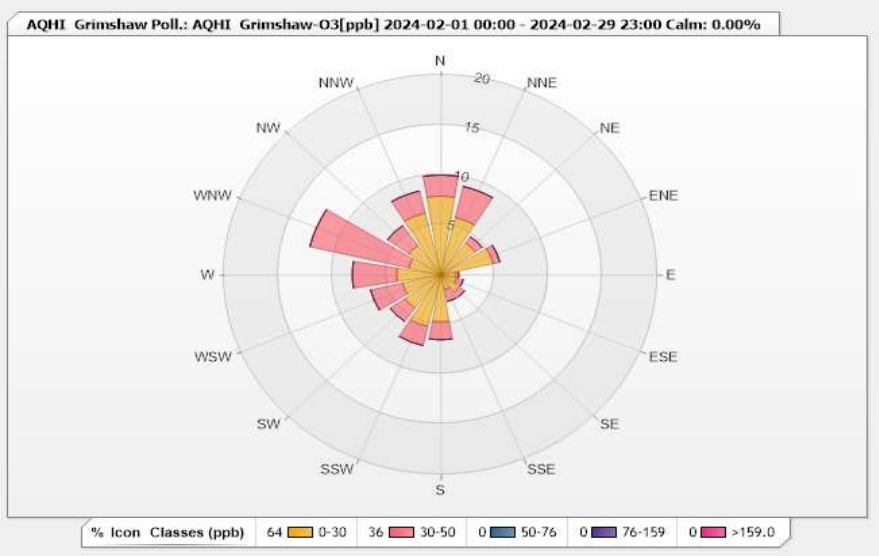


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	7.87	2.12	0	0	0	9.99
NNE	5.9	3.18	0	0	0	9.08
NE	3.93	0.76	0	0	0	4.69
ENE	4.99	0.61	0	0	0	5.6
E	1.36	0.3	0	0	0	1.66
ESE	1.51	0.61	0	0	0	2.12
SE	2.12	0.61	0	0	0	2.73
SSE	1.51	1.21	0	0	0	2.72
S	4.69	1.82	0	0	0	6.51
SSW	5.3	1.97	0	0	0	7.27
SW	4.08	1.66	0	0	0	5.74
WSW	3.63	3.03	0	0	0	6.66
W	4.08	4.08	0	0	0	8.16
WNW	3.03	9.38	0	0	0	12.41
NW	3.63	2.42	0	0	0	6.05
NNW	6.35	2.27	0	0	0	8.62
Summary	63.98	36.03	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

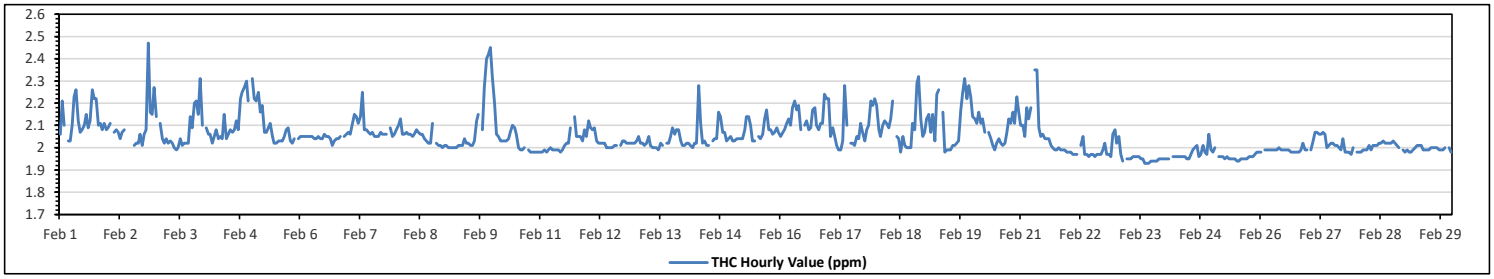
TOTAL HYDROCARBONS (THC) in ppm

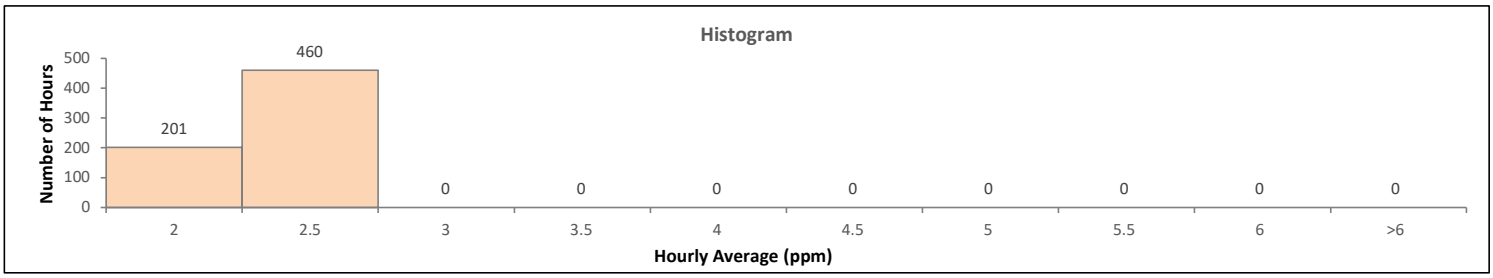
Maximum Hourly Value:	2.47	ppm	on Feb 2 at hr 20	Hours in Service:	696	
Maximum Daily Value:	2.13	ppm	on Feb 16	Hours of Data:	661	
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	1.96	ppm	on Feb 23	Hours of Calibration:	35	
Monthly Average:	2.05	ppm		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			
Feb 1	2.06	2.21	2.10	S	2.03	2.03	2.10	2.23	2.26	2.12	2.07	2.08	2.10	2.15	2.09	2.12	2.26	2.22	2.22	2.10	2.11	2.08	2.11	2.08	2.03	2.26	2.13
Feb 2	2.09	2.11	S	2.07	2.08	2.07	2.04	2.07	2.08	C	C	C	C	2.01	2.02	2.02	2.06	2.01	2.06	2.08	**2.47**	2.16	2.15	2.27	2.01	**2.47**	2.10
Feb 3	2.14	S	2.11	2.04	2.02	2.04	2.02	2.03	2.02	2.00	1.99	2.00	2.04	2.01	2.02	2.02	2.02	2.14	2.09	2.20	2.21	2.15	2.31	2.10	1.99	2.31	2.07
Feb 4	S	2.09	2.06	2.06	2.02	2.05	2.08	2.04	2.05	2.04	2.15	2.04	2.06	2.08	2.07	2.08	2.12	2.08	2.22	2.25	2.27	2.30	2.21	S	2.02	2.30	2.11
Feb 5	2.31	2.22	2.21	2.25	2.16	2.19	2.07	2.07	2.09	2.11	2.05	2.02	2.02	2.03	2.03	2.03	2.05	2.08	2.09	2.03	2.02	2.04	S	2.04	2.02	2.31	2.10
Feb 6	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.04	2.04	2.06	2.05	2.05	2.04	2.01	2.03	2.04	2.04	2.05	S	2.05	2.06	2.01	2.06	2.05
Feb 7	2.07	2.06	2.11	2.15	2.14	2.11	2.14	2.25	2.08	2.08	2.07	2.06	2.07	2.05	2.05	2.05	2.07	2.06	2.06	2.06	S	2.09	2.05	2.06	2.05	2.25	2.09
Feb 8	2.08	2.10	2.13	2.06	2.06	2.07	2.06	2.06	2.05	2.06	2.08	2.07	2.06	2.06	2.04	2.03	2.02	2.02	2.11	S	2.02	2.01	2.01	2.00	2.00	2.13	2.05
Feb 9	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.04	2.02	2.02	2.01	2.01	2.03	2.12	2.15	S	2.08	2.27	2.40	2.42	2.45	2.00	2.45	2.09
Feb 10	2.32	2.20	2.06	2.05	2.03	2.03	2.03	2.03	2.04	2.07	2.10	2.09	2.06	2.00	1.99	1.99	2.00	S	1.99	1.98	1.98	1.98	1.98	1.98	1.98	2.32	2.04
Feb 11	1.98	1.98	1.99	1.98	1.99	2.00	1.99	1.99	1.99	1.99	1.98	1.99	2.01	2.02	2.02	2.09	S	2.14	2.05	2.05	2.05	2.03	2.08	2.05	1.98	2.14	2.02
Feb 12	2.12	2.09	2.08	2.09	2.03	2.02	2.02	2.02	2.02	2.00	2.00	2.00	2.00	2.01	2.01	S	2.01	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.00	2.12	2.03
Feb 13	2.03	2.05	2.02	2.02	2.01	2.02	2.05	2.01	2.00	2.00	2.00	1.99	2.02	2.01	S	2.02	2.02	2.05	2.09	2.06	2.08	2.08	2.03	2.01	1.99	2.09	2.03
Feb 14	2.01	2.02	2.02	2.01	2.00	2.02	2.02	2.28	2.11	2.02	2.03	2.01	2.01	S	2.03	2.04	2.04	2.16	2.14	2.07	2.07	2.03	2.04	2.05	2.00	2.28	2.05
Feb 15	2.03	2.03	2.04	2.04	2.04	2.04	2.08	2.14	2.14	2.10	2.03	2.03	S	2.05	2.04	2.06	2.13	2.17	2.08	2.08	2.06	2.07	2.09	2.07	2.03	2.17	2.07
Feb 16	2.05	2.07	2.08	2.11	2.13	2.10	2.18	2.21	2.17	2.19	2.08	S	2.10	2.12	2.08	2.09	2.17	2.18	2.10	2.08	2.11	2.11	2.24	2.22	2.05	2.24	**2.13**
Feb 17	2.22	2.05	2.09	2.05	2.01	1.99	1.99	2.03	2.28	2.10	S	2.02	2.02	2.01	2.05	2.04	2.11	2.07	2.03	2.08	2.10	2.21	2.19	2.22	1.99	2.28	2.09
Feb 18	2.19	2.08	2.05	2.10	2.12	2.11	2.09	2.13	2.21	S	2.05	2.04	1.98	2.05	2.01	2.00	2.00	2.00	2.11	2.08	2.29	2.32	2.13	2.05	1.98	2.32	2.10
Feb 19	2.07	2.13	2.15	2.07	2.15	2.03	2.24	2.26	S	2.16	1.98	1.99	1.99	1.99	2.01	2.01	2.02	2.03	2.17	2.25	2.31	2.22	2.28	2.23	1.98	2.31	2.12
Feb 20	2.14	2.13	2.11	2.16	2.11	2.13	2.07	S	2.07	2.04	2.01	1.99	2.02	2.04	2.02	2.01	2.02	2.07	2.13	2.11	2.16	2.11	2.23	2.15	1.99	2.23	2.09
Feb 21	2.10	2.10	2.05	2.18	2.13	2.18	S	2.35	2.35	2.09	2.05	2.06	2.04	2.04	2.04	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.99	1.98	1.98	2.35	2.07
Feb 22	1.98	1.98	1.97	1.97	1.97	S	2.01	2.05	1.97	1.97	1.96	1.97	1.97	1.96	1.97	1.97	1.97	1.99	2.02	1.97	1.97	1.96	2.06	2.08	1.96	2.08	1.99
Feb 23	2.02	2.05	1.97	1.94	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.95	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.93	2.05	1.96
Feb 24	1.95	1.95	1.95	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.97	1.99	2.00	2.01	1.96	1.97	2.01	1.98	1.97	2.06	1.99	1.95	2.06	1.97
Feb 25	1.98	2.00	S	1.96	1.96	1.96	1.95	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.98	1.98	1.94	2.00	1.96
Feb 26	1.98	S	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.99	2.02	1.99	1.99	1.98	2.02	1.99
Feb 27	S	1.99	2.03	2.07	2.07	2.06	2.06	2.07	2.06	2.00	2.01	2.02	2.02	2.01	2.01	2.00	1.99	2.04	1.98	1.98	1.98	1.97	2.00	S	1.97	2.07	2.02
Feb 28	1.98	1.98	1.98	1.99	1.99	1.99	2.01	1.99	2.01	2.01	2.01	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.03	2.02	2.01	2.00	S	1.99	1.98	2.03	2.01
Feb 29	1.98	1.99	1.98	1.98	1.99	2.00	2.01	2.01	2.01	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	S	2.00	1.98	1.98	2.01	1.99
Diurnal Maximum	2.32	2.22	2.21	2.25	2.16	2.19	2.24	2.35	2.35	2.19	2.15	2.09	2.10	2.15	2.09	2.12	2.26	2.22	2.22	2.25	2.47	2.40	2.42	2.45			
Diurnal Average	2.07	2.06	2.05	2.05	2.04	2.04	2.05	2.08	2.07	2.04	2.02	2.01	2.02	2.02	2.02	2.02	2.04	2.06	2.06	2.06	2.09	2.08	2.10	2.08			

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.



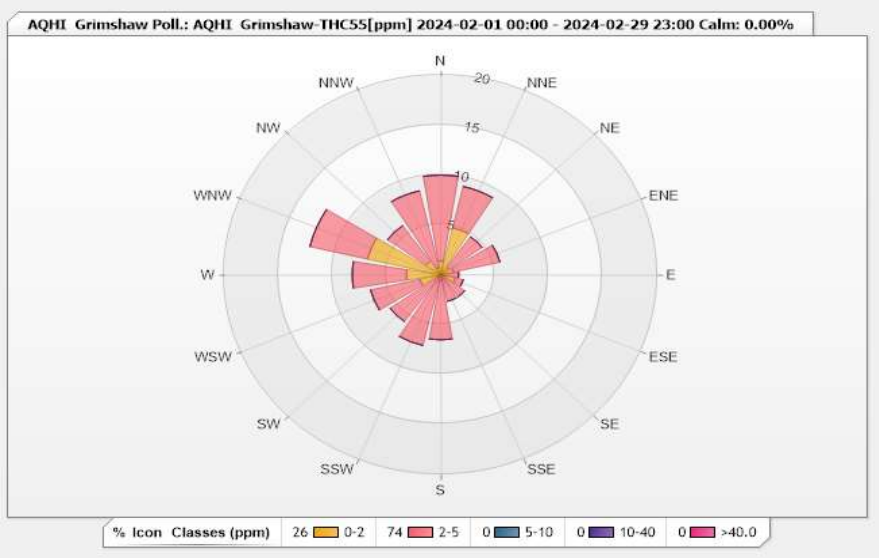


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.36	8.62	0	0	0	9.98
NNE	4.84	4.24	0	0	0	9.08
NE	0.91	3.78	0	0	0	4.69
ENE	1.21	4.39	0	0	0	5.6
E	0.15	1.51	0	0	0	1.66
ESE	1.36	0.76	0	0	0	2.12
SE	0.45	2.27	0	0	0	2.72
SSE	0.3	2.42	0	0	0	2.72
S	0.61	5.9	0	0	0	6.51
SSW	0.15	7.11	0	0	0	7.26
SW	0.3	5.45	0	0	0	5.75
WSW	1.97	4.69	0	0	0	6.66
W	3.18	4.99	0	0	0	8.17
WNW	6.96	5.45	0	0	0	12.41
NW	1.66	4.39	0	0	0	6.05
NNW	0.76	7.87	0	0	0	8.63
Summary	26.17	73.84	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

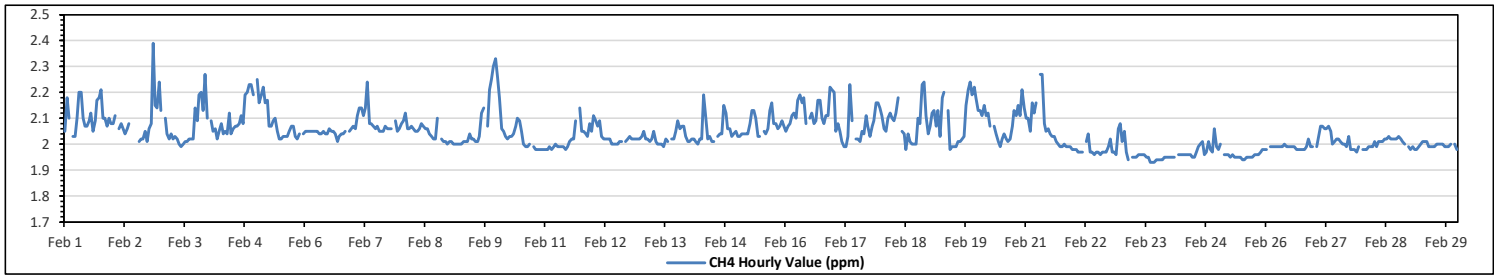
METHANE (CH4) in ppm

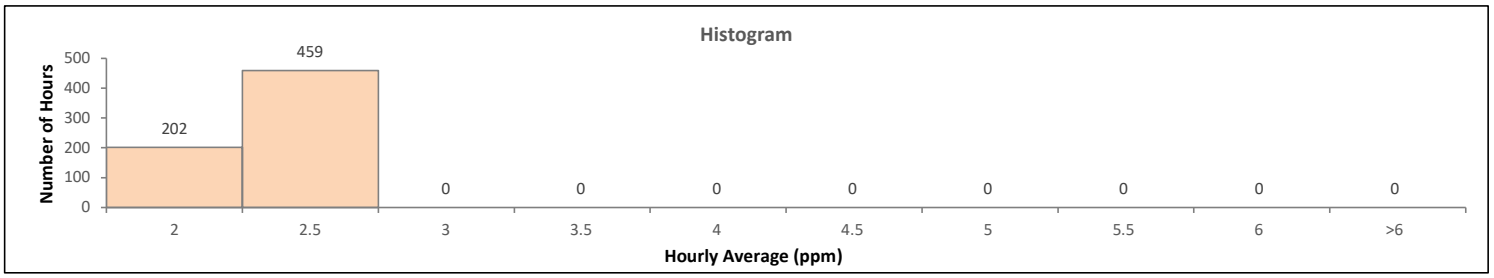
Maximum Hourly Value:	2.39	ppm	on Feb 2 at hr 20	Hours in Service:	696	
Maximum Daily Value:	2.12	ppm	on Feb 16	Hours of Data:	661	
Minimum Hourly Value:	1.93	ppm	on Feb 23 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	1.95	ppm	on Feb 23	Hours of Calibration:	35	
Monthly Average:	2.05	ppm		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			
Feb 1	2.05	2.18	2.10	S	2.03	2.03	2.10	2.20	2.20	2.10	2.07	2.07	2.09	2.12	2.05	2.09	2.17	2.18	2.21	2.10	2.10	2.07	2.10	2.08	2.03	2.21	2.11
Feb 2	2.08	2.11	S	2.06	2.08	2.06	2.04	2.06	2.08	C	C	C	C	2.01	2.02	2.02	2.05	2.01	2.06	2.08	**2.39**	2.15	2.14	2.24	2.01	**2.39**	2.09
Feb 3	2.13	S	2.10	2.04	2.02	2.04	2.02	2.03	2.02	2.00	1.99	2.00	2.01	2.01	2.02	2.02	2.02	2.14	2.09	2.19	2.20	2.13	2.27	2.10	1.99	2.27	2.07
Feb 4	S	2.09	2.05	2.06	2.02	2.05	2.08	2.04	2.05	2.04	2.12	2.04	2.06	2.07	2.07	2.08	2.11	2.08	2.19	2.20	2.23	2.23	2.19	S	2.02	2.23	2.10
Feb 5	2.25	2.16	2.19	2.22	2.16	2.17	2.07	2.07	2.09	2.10	2.05	2.02	2.02	2.03	2.03	2.03	2.05	2.07	2.07	2.03	2.02	2.04	S	2.04	2.02	2.25	2.09
Feb 6	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.04	2.04	2.06	2.05	2.05	2.04	2.01	2.03	2.04	2.04	2.05	S	2.05	2.06	2.01	2.06	2.05
Feb 7	2.07	2.06	2.11	2.14	2.14	2.11	2.14	2.24	2.08	2.08	2.07	2.06	2.07	2.05	2.05	2.05	2.07	2.06	2.06	2.06	S	2.09	2.05	2.06	2.05	2.24	2.09
Feb 8	2.08	2.09	2.12	2.06	2.06	2.07	2.06	2.05	2.05	2.06	2.08	2.07	2.06	2.06	2.04	2.03	2.02	2.02	2.10	S	2.02	2.01	2.01	2.00	2.00	2.12	2.05
Feb 9	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.04	2.02	2.02	2.01	2.01	2.03	2.12	2.14	S	2.07	2.21	2.25	2.30	2.33	2.00	2.33	2.07
Feb 10	2.26	2.18	2.06	2.05	2.03	2.02	2.03	2.03	2.04	2.07	2.10	2.09	2.05	2.00	1.99	1.99	2.00	S	1.99	1.98	1.98	1.98	1.98	1.98	1.98	2.26	2.04
Feb 11	1.98	1.98	1.99	1.98	1.99	2.00	1.99	1.99	1.99	1.99	1.98	1.99	2.01	2.02	2.02	2.09	S	2.14	2.05	2.05	2.04	2.03	2.08	2.05	1.98	2.14	2.02
Feb 12	2.11	2.09	2.07	2.09	2.03	2.02	2.02	2.02	2.02	2.00	2.00	2.00	2.00	2.01	2.01	S	2.01	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.00	2.11	2.03
Feb 13	2.03	2.05	2.02	2.02	2.01	2.02	2.05	2.01	2.00	2.00	2.00	1.99	2.02	2.01	S	2.02	2.02	2.05	2.09	2.06	2.07	2.07	2.03	2.01	1.99	2.09	2.03
Feb 14	2.01	2.02	2.02	2.01	2.00	2.02	2.02	2.19	2.10	2.02	2.03	2.01	2.01	S	2.03	2.04	2.04	2.15	2.12	2.06	2.06	2.03	2.04	2.05	2.00	2.19	2.05
Feb 15	2.03	2.03	2.04	2.04	2.04	2.04	2.08	2.13	2.13	2.10	2.03	2.03	S	2.05	2.04	2.06	2.13	2.16	2.08	2.08	2.06	2.07	2.09	2.07	2.03	2.16	2.07
Feb 16	2.05	2.07	2.08	2.11	2.12	2.10	2.17	2.19	2.16	2.18	2.08	S	2.10	2.12	2.08	2.09	2.17	2.17	2.10	2.08	2.11	2.11	2.22	2.21	2.05	2.22	**2.12**
Feb 17	2.20	2.05	2.08	2.05	2.01	1.99	1.99	2.03	2.23	2.09	S	2.02	2.02	2.01	2.05	2.04	2.11	2.07	2.03	2.07	2.09	2.16	2.16	2.14	1.99	2.23	2.07
Feb 18	2.11	2.06	2.05	2.10	2.12	2.10	2.09	2.12	2.18	S	2.05	2.04	1.98	2.04	2.01	2.00	2.00	2.00	2.10	2.08	2.23	2.24	2.11	2.04	1.98	2.24	2.08
Feb 19	2.07	2.12	2.13	2.07	2.13	2.03	2.18	2.20	S	2.13	1.98	1.99	1.99	1.99	2.01	2.01	2.02	2.03	2.15	2.21	2.24	2.19	2.22	2.18	1.98	2.24	2.10
Feb 20	2.13	2.13	2.11	2.15	2.11	2.12	2.07	S	2.07	2.04	2.01	1.99	2.02	2.04	2.02	2.01	2.02	2.07	2.13	2.11	2.15	2.11	2.21	2.14	1.99	2.21	2.09
Feb 21	2.10	2.10	2.05	2.16	2.12	2.16	S	2.27	2.27	2.08	2.05	2.06	2.04	2.03	2.03	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.99	1.98	1.98	2.27	2.06
Feb 22	1.98	1.98	1.97	1.97	1.97	S	2.01	2.04	1.97	1.97	1.96	1.97	1.97	1.96	1.97	1.97	1.97	1.99	2.02	1.97	1.97	1.96	2.06	2.08	1.96	2.08	1.99
Feb 23	2.01	2.05	1.97	1.94	S	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.95	1.95	1.93	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.93	2.05	1.95
Feb 24	1.95	1.95	1.95	S	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.97	1.99	2.00	2.01	1.96	1.97	2.01	1.98	1.97	2.06	1.99	1.95	2.06	1.97
Feb 25	1.98	2.00	S	1.96	1.96	1.96	1.95	1.96	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.97	1.98	1.98	1.94	2.00	1.96
Feb 26	1.98	S	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.99	2.02	1.99	1.99	1.98	2.02	1.99
Feb 27	S	1.99	2.03	2.07	2.07	2.06	2.06	2.07	2.05	2.00	2.01	2.02	2.02	2.01	2.00	2.00	1.99	2.03	1.98	1.98	1.98	1.97	1.99	S	1.97	2.07	2.02
Feb 28	1.98	1.98	1.98	1.99	1.99	1.99	2.01	1.99	2.01	2.01	2.01	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.03	2.02	2.01	2.00	S	1.99	1.98	2.03	2.01
Feb 29	1.98	1.99	1.98	1.98	1.99	2.00	2.01	2.01	2.01	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.00	S	2.00	1.98	1.98	2.01	1.99
Diurnal Maximum	2.26	2.18	2.19	2.22	2.16	2.17	2.18	2.27	2.27	2.18	2.12	2.09	2.10	2.12	2.08	2.09	2.17	2.18	2.21	2.21	2.39	2.25	2.30	2.33			
Diurnal Average	2.06	2.06	2.05	2.05	2.04	2.04	2.04	2.07	2.06	2.04	2.02	2.01	2.02	2.02	2.02	2.02	2.04	2.05	2.06	2.05	2.07	2.07	2.08	2.06			

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.



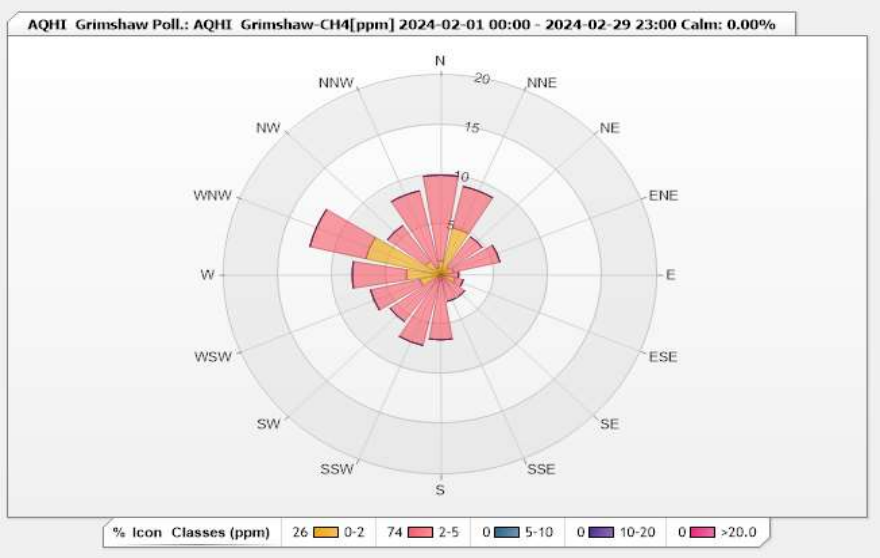


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.36	8.62	0	0	0	9.98
NNE	4.84	4.24	0	0	0	9.08
NE	0.91	3.78	0	0	0	4.69
ENE	1.21	4.39	0	0	0	5.6
E	0.15	1.51	0	0	0	1.66
ESE	1.36	0.76	0	0	0	2.12
SE	0.45	2.27	0	0	0	2.72
SSE	0.3	2.42	0	0	0	2.72
S	0.61	5.9	0	0	0	6.51
SSW	0.15	7.11	0	0	0	7.26
SW	0.3	5.45	0	0	0	5.75
WSW	1.97	4.69	0	0	0	6.66
W	3.18	4.99	0	0	0	8.17
WNW	7.11	5.3	0	0	0	12.41
NW	1.66	4.39	0	0	0	6.05
NNW	0.76	7.87	0	0	0	8.63
Summary	26.32	73.69	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

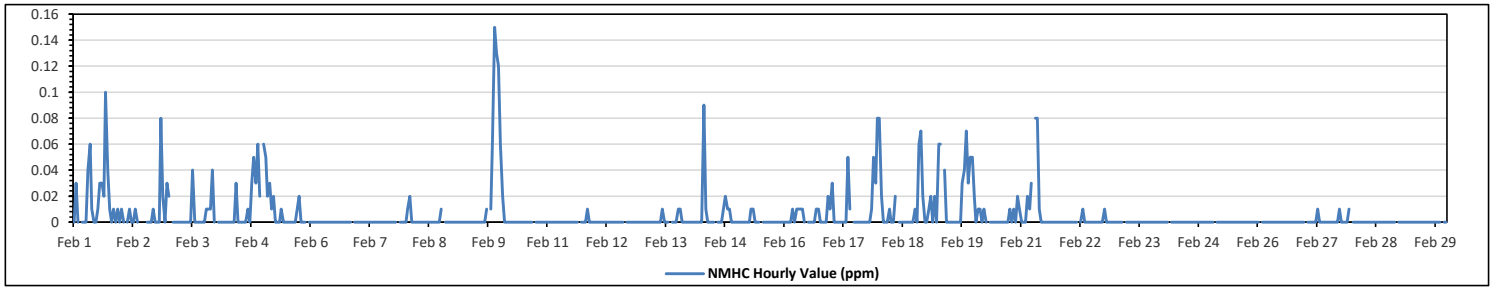
NON-METHANE HYDROCARBONS (NMHC) in ppm

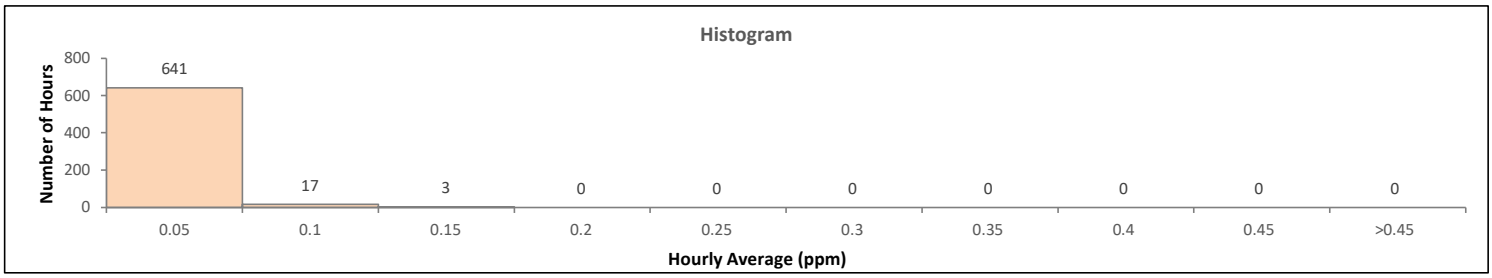
Maximum Hourly Value:	0.15	ppm	on Feb 9 at hr 21	Hours in Service:	696
Maximum Daily Value:	0.02	ppm	on Feb 9	Hours of Data:	661
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Feb 6	Hours of Calibration:	35
Monthly Average:	0.01	ppm		Operational 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			
Feb 1	0.00	0.03	0.00	S	0.00	0.00	0.00	0.04	0.06	0.01	0.00	0.00	0.01	0.03	0.03	0.02	0.10	0.04	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.10	0.02
Feb 2	0.01	0.00	S	0.00	0.01	0.00	0.00	0.01	0.00	C	C	C	C	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08	0.02	0.00	0.03	0.00	0.08	0.01
Feb 3	0.02	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.00	0.00	0.04	0.01
Feb 4	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.05	0.03	0.06	0.02	S	0.00	0.06	0.01
Feb 5	0.06	0.05	0.02	0.03	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	S	0.00	0.00	0.06	0.01
Feb 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	S	0.00	0.00	0.00	0.00	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00
Feb 8	0.00	0.01	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	0.01	S	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Feb 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	0.01	S	0.01	0.06	**0.15**	0.13	0.12	0.00	**0.15**	**0.02**
Feb 10	0.06	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
Feb 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	S	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00
Feb 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb 13	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	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Feb 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.09	0.01
Feb 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	0.00	0.00	0.00	0.00	0.01	0.00
Feb 16	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	S	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.02	0.00
Feb 17	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.08	0.00	0.08	0.01
Feb 18	0.08	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.02	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.07	0.02	0.00	0.00	0.08	0.01
Feb 19	0.00	0.01	0.02	0.00	0.02	0.00	0.06	0.06	S	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.07	0.03	0.05	0.05	0.00	0.07	**0.02**
Feb 20	0.02	0.00	0.01	0.01	0.00	0.01	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	0.01	0.00	0.02	0.01	0.00	0.02	0.00
Feb 21	0.00	0.00	0.00	0.02	0.01	0.03	S	0.08	0.08	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	0.08	0.01
Feb 22	0.00	0.00	0.00	0.00	0.00	S	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	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Feb 23	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
Feb 24	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
Feb 25	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
Feb 26	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
Feb 27	S	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	0.00	0.00	0.00	0.01	S	0.00	0.01	0.00
Feb 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Feb 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	S	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.08	0.05	0.02	0.03	0.02	0.03	0.06	0.09	0.08	0.04	0.03	0.00	0.04	0.03	0.03	0.02	0.10	0.04	0.03	0.05	0.08	0.15	0.13	0.12			
Diurnal Average	0.01	0.01	0.00	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	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01			

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.



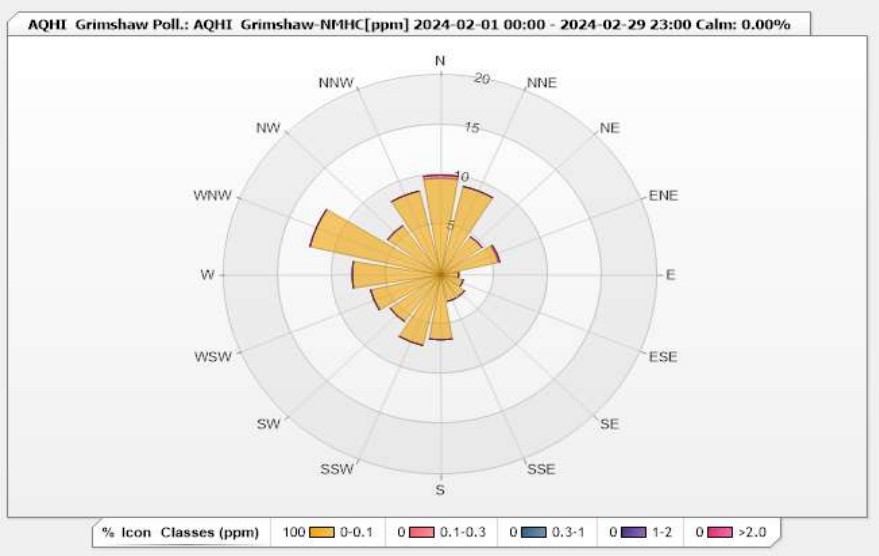


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 02-2024

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

Calm: 0.00% Valid Data: 94.97% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	9.68	0.3	0	0	0	9.98
NNE	9.08	0	0	0	0	9.08
NE	4.69	0	0	0	0	4.69
ENE	5.45	0.15	0	0	0	5.6
E	1.66	0	0	0	0	1.66
ESE	2.12	0	0	0	0	2.12
SE	2.72	0	0	0	0	2.72
SSE	2.72	0	0	0	0	2.72
S	6.51	0	0	0	0	6.51
SSW	7.26	0	0	0	0	7.26
SW	5.75	0	0	0	0	5.75
WSW	6.66	0	0	0	0	6.66
W	8.17	0	0	0	0	8.17
WNW	12.41	0	0	0	0	12.41
NW	6.05	0	0	0	0	6.05
NNW	8.62	0	0	0	0	8.62
Summary	100	0.45	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

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

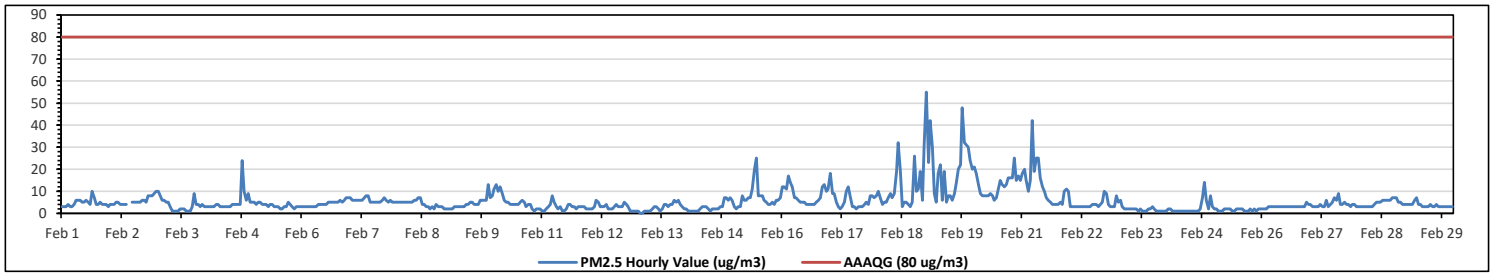
Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3

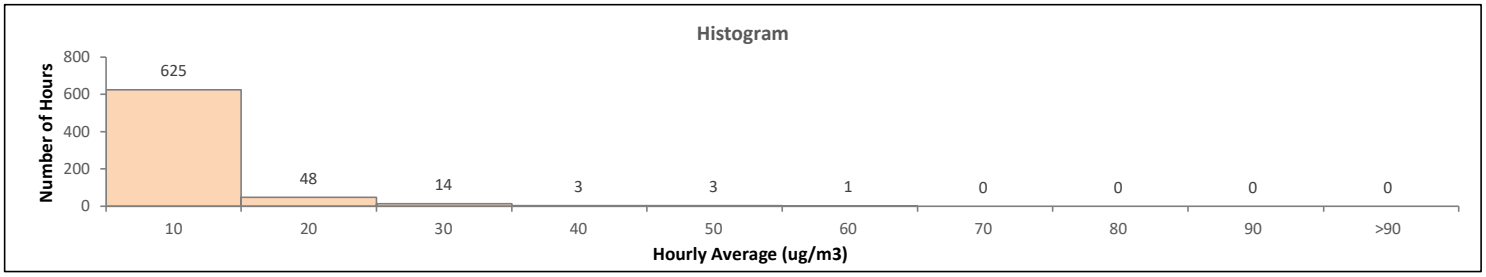
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0
Maximum Hourly Value:	55 µg/m^3 on Feb 19 at hr 0	Hours in Service:	696
Maximum Daily Value:	21.1 µg/m^3 on Feb 19	Hours of Data:	694
Minimum Hourly Value:	0 µg/m^3 on Feb 13 at hr 1	Hours of Missing Data:	0
Minimum Daily Value:	2 µg/m^3 on Feb 25	Hours of Calibration:	2
Monthly Average:	5.6 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			
Feb 1	3	3	3	4	3	3	4	6	6	6	5	5	6	5	4	10	7	4	4	5	4	4	4	3	3	10	4.6
Feb 2	4	4	4	5	5	4	4	4	4	C	C	5	5	5	5	5	6	6	5	8	8	8	9	10	4	10	5.6
Feb 3	10	8	6	6	5	5	3	1	1	1	1	2	2	2	1	1	1	3	9	4	4	3	4	3	1	10	3.6
Feb 4	3	3	3	3	3	4	4	3	3	3	3	3	3	4	4	4	4	4	24	10	6	9	5	5	3	24	5.0
Feb 5	5	4	5	5	4	4	4	3	4	4	3	3	3	2	2	3	3	5	4	3	2	3	3	3	2	5	3.5
Feb 6	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	6	5	6	7	7	3	7	4.4
Feb 7	7	6	6	6	6	6	6	7	8	8	5	5	5	5	5	5	6	7	6	5	6	5	5	5	5	8	5.9
Feb 8	5	5	5	5	5	5	5	5	6	6	7	7	4	4	3	3	2	3	2	4	3	3	3	2	2	7	4.3
Feb 9	2	2	2	2	3	3	3	3	3	3	4	4	5	5	4	4	4	6	6	6	6	13	7	8	2	13	4.5
Feb 10	11	13	10	12	9	6	5	5	4	4	4	4	4	5	6	5	3	4	4	2	1	2	2	2	1	13	5.3
Feb 11	1	1	2	3	4	8	5	3	2	3	1	1	2	4	4	3	3	2	3	3	3	3	2	2	1	8	2.8
Feb 12	2	2	3	6	5	3	3	3	4	2	2	2	3	4	3	3	3	5	4	3	1	1	1	1	1	6	2.9
Feb 13	1	0	0	1	1	1	1	2	3	3	2	1	2	4	4	3	4	4	6	5	6	4	3	2	**0**	6	2.6
Feb 14	2	1	1	1	1	1	1	2	3	3	3	2	1	2	2	2	2	3	3	7	7	6	7	6	1	7	2.9
Feb 15	3	2	3	3	8	6	6	7	7	11	20	25	8	8	8	6	5	4	4	5	4	6	6	7	2	25	7.2
Feb 16	12	12	11	17	14	12	7	7	6	5	5	5	4	4	4	4	4	5	6	7	12	13	10	11	4	17	8.2
Feb 17	18	9	9	5	3	2	3	5	10	12	7	3	3	2	3	3	3	4	5	4	8	8	7	8	2	18	6.0
Feb 18	10	7	4	5	5	7	9	7	9	19	32	19	3	5	5	4	3	5	26	10	11	19	6	30	3	32	10.8
Feb 19	**55**	23	42	30	9	5	18	22	6	19	5	8	8	6	9	14	20	22	48	32	31	30	24	20	5	**55**	**21.1**
Feb 20	21	18	13	9	8	8	8	8	9	8	6	7	11	15	13	12	13	16	16	16	25	15	17	15	6	25	12.8
Feb 21	18	20	15	10	15	42	19	25	25	16	12	10	7	6	5	4	4	4	4	5	4	10	11	10	4	42	12.5
Feb 22	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	4	5	10	9	4	3	3	3	8	3	10	4.0
Feb 23	5	6	3	2	2	2	2	2	2	2	1	2	1	1	1	2	2	3	2	1	1	1	1	1	1	6	2.0
Feb 24	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	14	6	2	8	3	1	14	2.5
Feb 25	2	2	1	1	1	2	2	2	2	1	1	2	2	2	2	1	1	1	2	1	2	1	2	2	1	2	**1.6**
Feb 26	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	4	2	5	3.0
Feb 27	4	3	3	3	3	4	3	3	6	3	4	5	7	6	9	4	4	5	4	4	3	4	4	3	3	9	4.2
Feb 28	3	3	3	3	3	3	3	3	4	5	5	5	6	6	6	6	6	7	7	7	5	5	4	4	3	7	4.7
Feb 29	4	4	4	4	6	7	4	4	3	3	3	3	4	3	3	4	3	3	3	3	3	3	3	3	3	7	3.6
Diurnal Maximum	55	23	42	30	15	42	19	25	25	19	32	25	11	15	13	14	20	22	48	32	31	30	24	30			
Diurnal Average	7.6	5.9	5.9	5.6	4.9	5.6	4.9	5.2	5.2	5.8	5.4	5.2	4.2	4.4	4.4	4.4	4.5	5.3	8.0	6.4	6.3	6.7	6.0	6.5			

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: 02-2024

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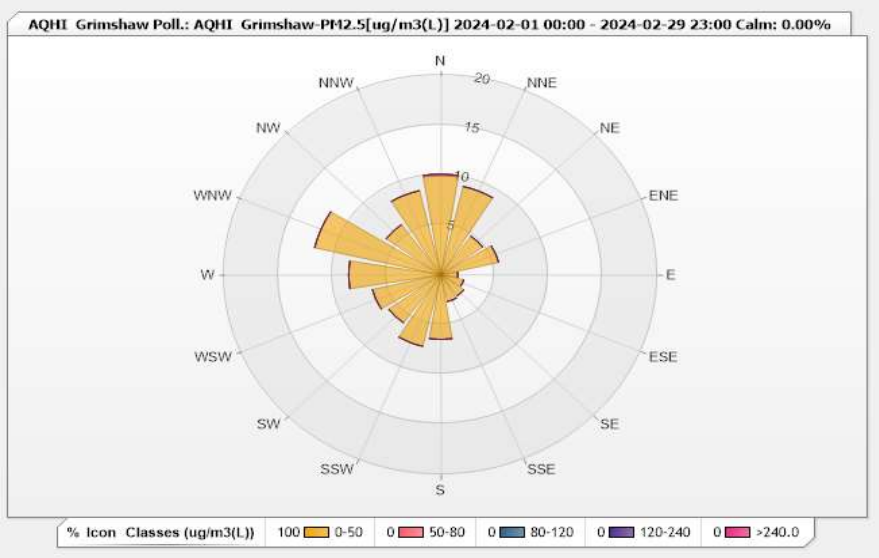
Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 99.71% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	9.94	0.14	0	0	0	10.08
NNE	9.08	0	0	0	0	9.08
NE	4.76	0	0	0	0	4.76
ENE	5.48	0	0	0	0	5.48
E	1.59	0	0	0	0	1.59
ESE	2.16	0	0	0	0	2.16
SE	2.59	0	0	0	0	2.59
SSE	2.74	0	0	0	0	2.74
S	6.48	0	0	0	0	6.48
SSW	7.35	0	0	0	0	7.35
SW	5.91	0	0	0	0	5.91
WSW	6.48	0	0	0	0	6.48
W	8.5	0	0	0	0	8.5
WNW	11.96	0	0	0	0	11.96
NW	6.2	0	0	0	0	6.2
NNW	8.65	0	0	0	0	8.65
Summary	100	0.14	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

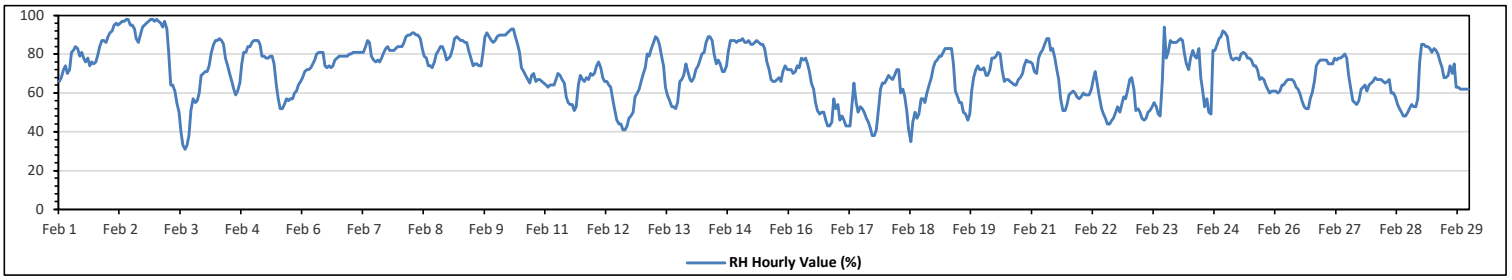
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	98	%	on Feb 2 at hr 9	Hours in Service:	696	
Maximum Daily Value:	94.4	%	on Feb 2	Hours of Data:	696	
Minimum Hourly Value:	31	%	on Feb 3 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	49.9	%	on Feb 17	Hours of Calibration:	0	
Monthly Average:	70.6	%		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
Feb 1	66	68	72	74	70	72	81	82	84	83	79	81	78	76	78	74	76	75	76	80	84	87	87	86	66	87	77.9
Feb 2	89	91	92	95	96	95	96	97	97	**98**	**98**	95	95	93	88	86	90	94	95	96	97	**98**	**98**	97	86	**98**	**94.4**
Feb 3	**98**	97	96	94	97	93	80	64	64	61	55	50	40	33	**31**	33	38	51	57	55	56	60	69	70	**31**	**98**	64.3
Feb 4	71	71	74	81	85	87	87	88	87	85	78	74	70	66	62	59	61	65	75	81	81	84	84	86	59	88	76.8
Feb 5	87	87	87	85	79	79	78	78	79	79	75	64	57	52	52	54	57	56	57	57	60	61	64	66	52	87	68.8
Feb 6	68	71	72	72	73	75	77	80	81	81	81	74	73	74	73	74	77	78	79	79	79	79	79	80	68	81	76.2
Feb 7	80	81	81	81	81	81	81	84	87	86	79	77	76	77	76	78	81	83	84	82	82	82	83	84	76	87	81.1
Feb 8	84	84	86	89	90	90	91	91	90	90	88	83	79	78	74	74	73	76	80	82	84	84	81	77	73	91	83.3
Feb 9	78	79	83	88	89	88	87	87	86	86	82	78	74	75	75	74	74	81	89	91	89	87	86	87	74	91	83.0
Feb 10	89	90	90	90	90	91	92	93	93	89	85	81	73	71	69	67	65	69	70	66	67	67	66	65	65	93	78.7
Feb 11	64	63	64	64	64	67	70	69	67	65	58	55	54	54	51	53	64	69	67	66	68	67	70	69	51	70	63.4
Feb 12	70	74	76	73	68	66	66	64	63	57	51	46	44	44	41	41	43	47	48	50	58	60	62	66	41	76	57.4
Feb 13	70	73	80	79	83	86	89	88	85	79	74	63	59	56	53	53	52	55	66	67	69	75	71	67	52	89	70.5
Feb 14	66	68	72	74	77	80	81	86	89	89	87	80	75	77	75	71	71	74	81	87	87	87	86	87	66	89	79.5
Feb 15	87	88	86	86	87	85	85	86	87	86	85	85	83	76	72	67	66	66	67	68	66	71	74	72	66	88	78.4
Feb 16	72	72	70	71	74	73	78	77	78	75	71	65	62	55	51	49	50	50	46	43	43	45	57	52	43	78	61.6
Feb 17	54	46	48	46	43	43	43	54	65	55	50	53	52	50	47	45	42	38	38	41	52	62	65	65	38	65	**49.9**
Feb 18	67	69	68	67	69	72	72	60	62	58	51	41	35	45	50	47	49	57	57	55	60	64	68	73	35	73	59.0
Feb 19	76	77	79	79	81	83	83	83	83	75	61	58	55	55	50	49	46	49	61	68	72	74	72	72	46	83	68.4
Feb 20	73	69	69	72	78	78	79	81	80	72	66	67	67	66	65	64	64	67	68	70	74	77	76	76	64	81	71.6
Feb 21	75	71	70	78	81	82	85	88	88	82	83	78	72	67	57	51	51	54	59	60	61	60	58	57	51	88	69.5
Feb 22	58	60	59	59	59	62	67	71	64	58	52	49	47	44	44	46	47	50	53	50	54	58	57	62	44	71	55.4
Feb 23	67	68	62	51	52	50	47	46	47	50	51	53	55	53	49	48	67	94	78	81	87	86	86	86	46	94	63.1
Feb 24	87	88	87	80	75	72	78	82	79	78	83	68	61	53	57	50	49	82	82	85	88	89	92	91	49	92	76.5
Feb 25	89	82	78	77	78	78	77	80	81	80	78	78	77	74	74	72	67	68	67	64	62	60	61	61	60	89	73.5
Feb 26	61	60	61	64	64	66	67	67	67	66	63	62	59	56	53	52	52	57	60	66	74	76	77	77	52	77	63.6
Feb 27	77	77	75	75	75	78	77	78	78	79	80	78	69	62	56	55	54	56	62	63	64	61	64	65	54	80	69.1
Feb 28	66	68	67	67	67	66	65	66	67	60	60	58	54	52	50	48	48	50	52	54	53	53	57	76	48	76	59.3
Feb 29	85	85	84	84	83	81	83	82	80	76	73	68	68	69	74	70	75	63	63	62	62	62	62	62	62	85	73.2
Diurnal Maximum	98	97	96	95	97	95	96	97	97	98	98	95	95	93	88	86	90	94	95	96	97	98	98	97			
Diurnal Average	75.0	75.1	75.4	75.7	76.1	76.5	77.3	77.7	77.9	75.1	71.6	67.7	64.2	62.2	60.2	58.8	60.3	64.6	66.8	67.9	70.1	71.6	72.8	73.6			

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

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

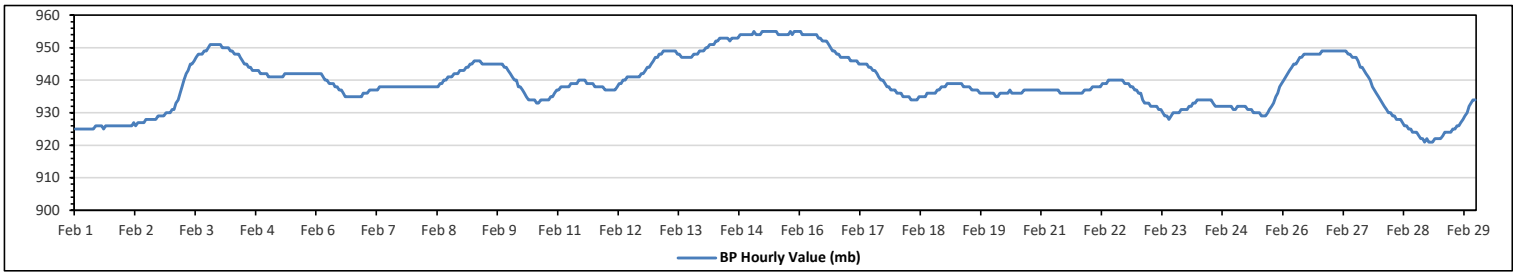
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	955	mb	on Feb 15 at hr 1	Hours in Service:	696	
Maximum Daily Value:	955	mb	on Feb 15	Hours of Data:	696	
Minimum Hourly Value:	921	mb	on Feb 28 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	926	mb	on Feb 1	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
Feb 1	925	925	925	925	925	925	925	925	925	925	926	926	926	926	925	926	926	926	926	926	926	926	926	926	925	926	**926**
Feb 2	926	926	926	926	926	927	926	927	927	927	927	928	928	928	928	928	928	929	929	929	929	930	930	930	926	930	928
Feb 3	931	931	933	934	936	938	940	942	943	945	945	946	947	948	948	948	949	949	950	951	951	951	951	951	931	951	944
Feb 4	951	950	950	950	950	949	949	948	948	948	947	946	945	945	944	944	943	943	943	943	942	942	942	942	942	951	946
Feb 5	941	941	941	941	941	941	941	941	942	942	942	942	942	942	942	942	942	942	942	942	942	942	942	942	941	942	942
Feb 6	942	942	942	941	940	940	939	939	939	938	938	937	937	936	935	935	935	935	935	935	935	935	935	936	935	942	938
Feb 7	936	936	937	937	937	937	937	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	938	936	938	938
Feb 8	938	938	938	938	938	938	938	938	938	938	938	938	938	939	939	940	940	941	941	941	942	942	942	943	938	943	939
Feb 9	943	943	944	944	945	945	946	946	946	946	945	945	945	945	945	945	945	945	945	945	945	944	944	943	943	946	945
Feb 10	942	941	940	940	938	938	937	936	935	934	934	934	934	933	933	934	934	934	934	934	935	935	936	937	933	942	936
Feb 11	937	938	938	938	938	938	939	939	939	939	940	940	940	940	939	939	939	939	938	938	938	938	938	937	937	940	939
Feb 12	937	937	937	937	937	938	939	939	940	940	941	941	941	941	941	941	941	942	942	943	944	944	945	946	937	946	941
Feb 13	947	947	948	948	949	949	949	949	949	949	949	948	948	947	947	947	947	947	947	947	948	948	948	949	947	949	948
Feb 14	949	950	950	951	951	951	952	952	953	953	953	953	953	952	953	953	953	953	954	954	954	954	954	954	949	954	952
Feb 15	954	**955**	954	954	954	**955**	**955**	**955**	**955**	**955**	**955**	**955**	**955**	954	954	954	954	954	954	**955**	954	**955**	**955**	**955**	954	**955**	**955**
Feb 16	**955**	954	954	954	954	954	954	954	954	953	953	952	952	952	951	950	949	949	948	948	947	947	947	947	947	**955**	951
Feb 17	947	946	946	946	946	945	945	945	945	945	944	944	943	943	942	941	940	940	939	938	938	937	937	937	937	947	942
Feb 18	936	936	936	935	935	935	935	934	934	934	934	935	935	935	935	936	936	936	936	936	937	937	938	938	934	938	936
Feb 19	938	939	939	939	939	939	939	939	939	938	938	938	938	937	937	937	937	936	936	936	936	936	936	936	936	939	938
Feb 20	936	935	935	936	936	936	936	936	937	936	936	936	936	936	936	937	937	937	937	937	937	937	937	937	935	937	936
Feb 21	937	937	937	937	937	937	937	937	937	936	936	936	936	936	936	936	936	936	936	936	936	937	937	937	936	937	937
Feb 22	937	938	938	938	938	938	939	939	939	940	940	940	940	940	940	940	940	939	939	939	938	938	937	937	937	940	939
Feb 23	936	936	934	933	933	933	932	932	932	932	931	931	930	929	929	928	929	930	930	930	930	931	931	931	928	936	931
Feb 24	931	932	932	933	933	934	934	934	934	934	934	934	934	933	932	932	932	932	932	932	932	932	932	931	931	934	933
Feb 25	931	932	932	932	932	932	931	931	931	930	930	930	930	929	929	929	930	931	932	933	935	936	938	939	929	939	932
Feb 26	940	941	942	943	944	945	945	946	947	947	948	948	948	948	948	948	948	948	948	949	949	949	949	949	940	949	947
Feb 27	949	949	949	949	949	949	949	949	948	948	947	947	947	946	944	944	943	942	941	940	938	937	936	935	935	949	945
Feb 28	934	933	932	931	930	930	929	929	928	928	928	927	926	926	925	925	924	924	924	923	922	922	**921**	922	**921**	934	927
Feb 29	**921**	**921**	**921**	922	922	922	922	923	924	924	924	924	925	925	926	926	927	928	929	930	932	933	934	934	**921**	934	926
Diurnal Maximum	955	955	954	954	954	955	955	955	955	955	955	955	955	954	954	954	954	954	954	955	954	955	955	955			
Diurnal Average	939	939	939	939	939	939	939	939	940	939	939	939	939	939	939	939	939	939	939	939	939	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 - February 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	6.5	°C	on Feb 23 at hr 14	Hours in Service:	696	
Maximum Daily Value:	2.7	°C	on Feb 1	Hours of Data:	696	
Minimum Hourly Value:	-24.4	°C	on Feb 27 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-20.8	°C	on Feb 26	Hours of Calibration:	0	
Monthly Average:	-7.3	°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
Feb 1	3.2	2.9	2.8	2.7	3.2	2.9	1.5	1.2	0.9	1.2	2.2	2.2	3.3	3.8	3.6	4	4	3.8	3.6	3	2.5	1.9	1.9	1.8	0.9	4.0	**2.7**
Feb 2	1.1	0.7	0.3	-0.1	-0.5	-0.6	-1	-1.4	-1.8	-2.2	-2.1	-1.5	-1.4	-1.2	-0.4	-0.1	-0.6	-1.4	-1.8	-2	-2.6	-2.8	-2.6	-3	-3.0	1.1	-1.2
Feb 3	-3.4	-3.5	-2.2	-3.2	-5	-5.1	-5.8	-6.9	-7.9	-8.1	-7.5	-6.9	-5.7	-4.9	-4.4	-4.6	-5	-6.1	-7.2	-7.6	-7.9	-8.8	-10.2	-10.6	-10.6	-2.2	-6.2
Feb 4	-10.9	-10.8	-10.1	-11.2	-11.5	-11.6	-11.7	-12.6	-12.4	-11.8	-9.4	-7.9	-6.7	-5.3	-4.2	-3.3	-3.5	-4.8	-6.8	-8.2	-8	-9.2	-9.2	-9.9	-12.6	-3.3	-8.8
Feb 5	-10.4	-10.9	-11	-10.8	-10.1	-9.8	-9.4	-9.6	-9.6	-9.3	-7.6	-5.6	-4.4	-4	-3.8	-3.9	-4.4	-4.6	-5.3	-5.8	-6.6	-7.2	-7.8	-8.4	-11.0	-3.8	-7.5
Feb 6	-9.1	-9.9	-10.3	-10.2	-10	-10.1	-10.3	-10.3	-10.2	-9.9	-9.5	-8	-7.7	-7.4	-6.9	-6.5	-6.6	-6.5	-6.9	-7	-7.2	-7.3	-7.3	-7.3	-10.3	-6.5	-8.4
Feb 7	-7.4	-7.6	-7.9	-7.8	-7.8	-7.6	-7.4	-7.8	-8.2	-8	-7.7	-7.5	-7.1	-6.8	-6.5	-6.5	-6.9	-7.2	-7.3	-7.3	-7.4	-7.5	-7.5	-7.5	-8.2	-6.5	-7.4
Feb 8	-7.5	-7.5	-7.5	-7.7	-7.7	-8	-7.9	-7.9	-7.9	-7.8	-6.8	-5.9	-6.4	-6.5	-5.9	-5.9	-5.8	-6.3	-6.8	-7	-6.6	-6.7	-7.1	-7.5	-8.0	-5.8	-7.0
Feb 9	-8.8	-9	-10.7	-12.1	-12.8	-14	-14.7	-15.7	-16.3	-15.3	-12.2	-10.1	-9.4	-8.2	-7.7	-7.6	-8	-9.7	-11.7	-12.4	-12.6	-14.4	-15.4	-15	-16.3	-7.6	-11.8
Feb 10	-13.5	-12.9	-12.4	-12.1	-11.4	-10.5	-9.5	-8.8	-8.2	-7.1	-6.7	-5.9	-3.2	-1.4	-0.7	0	0.4	-0.7	-0.4	0.5	0.2	-0.4	-0.8	-1.4	-13.5	0.5	-5.3
Feb 11	-1.6	-1.5	-2	-2.1	-2.1	-3	-4.2	-3.8	-3.6	-2.9	-1.2	0	0.8	1.4	2	1.8	-0.2	-2.4	-2.4	-2.8	-3	-2.7	-4	-3.1	-4.2	2.0	-1.8
Feb 12	-3.2	-4.5	-5	-4.7	-3	-3.5	-4.6	-5.4	-6.1	-4.8	-3.3	-1.9	-0.5	-0.1	0.4	0.3	-0.4	-1.9	-2.2	-1.7	-1.2	-1.3	-1.5	-2.4	-6.1	0.4	-2.6
Feb 13	-3.4	-3.8	-4.7	-5.5	-6.5	-7.3	-8.1	-8.5	-7.8	-6.9	-6.4	-3.8	-2.7	-2	-1.4	-1	-1.3	-2.7	-6	-6.7	-7.7	-9.3	-7.6	-7.6	-9.3	-1.0	-5.4
Feb 14	-8.2	-8.8	-9.8	-10.5	-11.2	-12.1	-12.3	-13.4	-13.9	-12.6	-11.2	-9.8	-9.2	-9.3	-9.1	-8.9	-9	-9.9	-11.2	-13.4	-14.6	-14.7	-15.4	-15.4	-15.4	-8.2	-11.4
Feb 15	-15.9	-15.6	-16.2	-16.4	-15.7	-17.1	-17.7	-17	-16.5	-16	-15.2	-13.5	-12.6	-10.6	-8.9	-8	-7.7	-8.1	-8.7	-9.1	-9	-10	-10.7	-10.3	-17.7	-7.7	-12.8
Feb 16	-10.3	-10.1	-9.6	-10.3	-11	-11.6	-14	-13.8	-14	-13.1	-10.5	-8	-6.4	-4.3	-3.3	-2.7	-2.3	-3	-3.5	-3.3	-3.2	-4.3	-7.6	-6.7	-14.0	-2.3	-7.8
Feb 17	-6.8	-3.8	-4.9	-4.1	-3.4	-3.1	-3.4	-7.3	-10.3	-7.5	-5.1	-3.6	-2.1	-0.3	0.8	0.9	1	0.5	-0.9	-1.6	-4.4	-6.6	-7.9	-8.5	-10.3	1.0	-3.9
Feb 18	-9.6	-10.1	-9.7	-10.6	-11	-11.8	-12	-9.4	-9.7	-8.8	-6.2	-2.4	-0.2	-0.6	-1.3	-0.7	-0.6	-2.6	-4.5	-5.6	-6.8	-7.8	-8.6	-9.9	-12.0	-0.2	-6.7
Feb 19	-10.4	-10.7	-11.3	-11.7	-12.1	-12.5	-13.2	-13.3	-13.1	-10.1	-6.4	-5.3	-4.4	-3.5	-2.1	-1.6	-1.1	-2.3	-5	-7.1	-8.8	-8.9	-7.9	-7.8	-13.3	-1.1	-7.9
Feb 20	-7.8	-6.5	-6.5	-7.4	-9.6	-10.1	-10.6	-11.2	-11.2	-8.5	-6.1	-5.6	-4.9	-3.5	-2.8	-2.6	-2.4	-2.3	-2.5	-3	-3.1	-3.7	-4.2	-4.9	-11.2	-2.3	-5.9
Feb 21	-5.8	-5.3	-4.7	-6.9	-7.5	-7.6	-7.8	-9.1	-9.2	-7.2	-6	-4.1	-2.1	-0.2	2.5	3.7	4.1	2.8	0.8	-0.1	-0.5	-0.6	0.1	0.7	-9.2	4.1	-2.9
Feb 22	0.7	0.2	0.5	0.7	0.4	-0.4	-2.1	-3.2	-1.4	0.7	2.3	3.5	4.4	5.1	5.4	5.5	5.4	4.5	3	3.7	2.8	1.6	1.7	0.6	-3.2	5.5	1.9
Feb 23	-1.1	-1.1	0.5	3.8	3	3.2	4.2	4.5	4.2	4.1	4.6	5.4	5.5	6.1	**6.5**	6.4	2.5	-1.6	-1	-1.3	-1.8	-1.9	-2	-2	-2.0	**6.5**	2.1
Feb 24	-2	-1.9	-1.7	-1.7	-1.9	-2.3	-3.1	-3.2	-3	-3	-3.4	-1.9	-1.1	-0.5	-0.5	-0.6	-0.9	-3.6	-4.9	-6	-6.7	-7.3	-7.6	-7.2	-7.6	-0.5	-3.2
Feb 25	-7.7	-8.9	-10.1	-11.4	-11.8	-11.8	-11.9	-12.8	-13.2	-13.1	-12.9	-13.2	-13.1	-13.2	-13.5	-13.7	-13.4	-14	-14.9	-15.4	-16.2	-16.7	-17.4	-18.4	-18.4	-7.7	-13.3
Feb 26	-19.1	-20	-20.6	-21.3	-22	-22.8	-23.2	-23.3	-23.4	-23.1	-22.5	-21.8	-21	-20	-19.2	-18.5	-18.3	-19.1	-19.6	-19.9	-20.3	-20.3	-20.4	-20.4	-23.4	-18.3	**-20.8**
Feb 27	-20.6	-21	-22	-22.8	-23.4	-23.9	-24.1	**-24.4**	-24.2	-22.6	-21.9	-20.9	-19.6	-18.5	-17.7	-17.2	-17.5	-18.2	-19.6	-19.7	-19.4	-19.1	-19.2	-18.5	**-24.4**	-17.2	-20.7
Feb 28	-18.1	-18.2	-17.9	-17.5	-17.4	-17	-16.7	-16.6	-16.6	-15.1	-14.3	-13	-11.4	-10	-8.7	-7.5	-7.1	-7.8	-8	-8.8	-9.4	-10	-10.7	-11.8	-18.2	-7.1	-12.9
Feb 29	-12.4	-12.8	-13.5	-13.9	-13.9	-14	-14.2	-14.1	-13.9	-13.6	-13.8	-13.1	-12.6	-12	-12.1	-12.2	-12.9	-13.3	-15.2	-16.3	-17.4	-18.8	-19.9	-20.8	-20.8	-12.0	-14.4
Diurnal Maximum	3.2	2.9	2.8	3.8	3.2	3.2	4.2	4.5	4.2	4.1	4.6	5.4	5.5	6.1	6.5	6.4	5.4	4.5	3.6	3.7	2.8	1.9	1.9	1.8			
Diurnal Average	-7.9	-8.0	-8.2	-8.5	-8.7	-9.1	-9.5	-9.8	-9.9	-9.0	-7.8	-6.6	-5.6	-4.8	-4.1	-3.8	-4.1	-5.1	-6.1	-6.6	-7.1	-7.8	-8.2	-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)					

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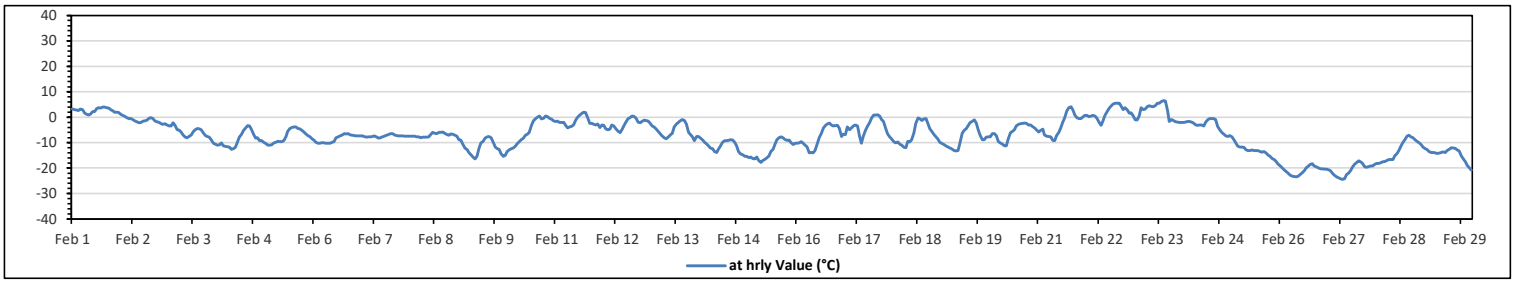


Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

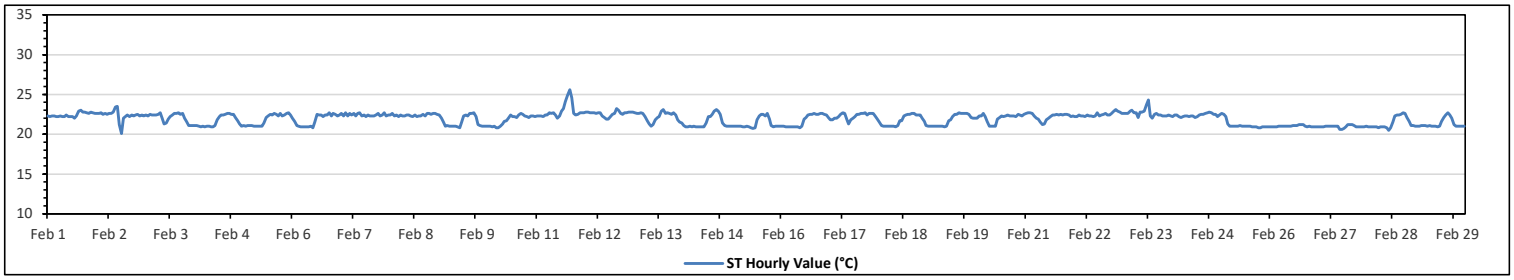
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.6	°C	on Feb 11 at hr 16	Hours in Service:	696	
Maximum Daily Value:	22.9	°C	on Feb 11	Hours of Data:	696	
Minimum Hourly Value:	20.1	°C	on Feb 2 at hr 12	Hours of Missing Data:	0	
Minimum Daily Value:	20.9	°C	on Feb 27	Hours of Calibration:	0	
Monthly Average:	21.9	°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
Feb 1	22.3	22.2	22.3	22.3	22.2	22.2	22.3	22.2	22.2	22.4	22.2	22.2	22.2	22.0	22.3	22.9	23.0	22.8	22.8	22.7	22.6	22.8	22.7	22.6	22.0	23.0	22.4
Feb 2	22.6	22.6	22.7	22.5	22.6	22.5	22.6	22.6	22.8	23.4	23.5	21.2	**20.1**	22.0	22.2	22.4	22.2	22.4	22.3	22.4	22.5	22.3	22.4	22.3	**20.1**	23.5	22.4
Feb 3	22.4	22.3	22.5	22.4	22.4	22.4	22.5	22.7	22.0	21.3	21.4	21.9	22.2	22.4	22.6	22.6	22.7	22.5	22.6	22.0	21.6	21.1	21.1	21.1	21.1	22.7	22.1
Feb 4	21.1	21.1	21.0	20.9	21.0	20.9	21.0	21.0	20.9	20.9	21.1	21.8	22.2	22.4	22.4	22.5	22.6	22.6	22.5	22.5	22.1	21.7	21.3	21.0	20.9	22.6	21.6
Feb 5	21.1	21.0	21.1	21.1	21.1	21.0	21.0	21.0	21.0	21.0	21.4	22.1	22.3	22.5	22.4	22.6	22.5	22.3	22.6	22.3	22.4	22.6	22.7	22.4	21.0	22.7	21.8
Feb 6	22.0	21.6	21.1	21.0	20.9	20.9	20.9	20.9	20.9	21.0	20.8	21.5	22.5	22.4	22.4	22.2	22.4	22.4	22.7	22.3	22.6	22.5	22.3	22.4	20.8	22.7	21.8
Feb 7	22.6	22.3	22.7	22.3	22.6	22.4	22.6	22.3	22.6	22.7	22.3	22.4	22.2	22.4	22.3	22.3	22.3	22.4	22.6	22.3	22.4	22.7	22.3	22.4	22.2	22.7	22.4
Feb 8	22.4	22.6	22.3	22.4	22.2	22.4	22.3	22.3	22.4	22.4	22.3	22.2	22.4	22.2	22.3	22.3	22.5	22.3	22.6	22.6	22.5	22.6	22.6	22.5	22.2	22.6	22.4
Feb 9	22.4	22.0	21.5	21.0	21.1	21.0	21.0	21.0	21.0	20.9	20.8	21.5	22.3	22.4	22.3	22.6	22.6	22.7	22.2	21.2	21.1	21.0	21.0	21.0	20.8	22.7	21.6
Feb 10	21.0	21.0	20.9	21.0	20.8	20.8	21.0	21.3	21.6	21.7	22.0	22.4	22.2	22.2	22.1	22.4	22.6	22.5	22.3	22.2	22.1	22.3	22.3	22.2	20.8	22.6	21.8
Feb 11	22.3	22.3	22.3	22.2	22.4	22.4	22.7	22.6	22.7	22.4	22.0	22.3	22.9	23.2	24.1	24.9	**25.6**	24.6	22.6	22.4	22.5	22.7	22.7	22.7	22.0	**25.6**	**22.9**
Feb 12	22.8	22.8	22.7	22.7	22.7	22.6	22.7	22.7	22.3	22.1	21.9	21.9	22.2	22.5	22.6	23.2	23.0	22.6	22.5	22.7	22.7	22.8	22.8	22.8	21.9	23.2	22.6
Feb 13	22.7	22.6	22.6	22.7	22.6	22.2	21.7	21.3	21.0	21.2	21.8	22.1	22.2	22.9	23.1	22.6	22.7	22.6	22.5	22.7	22.4	21.8	21.5	21.4	21.0	23.1	22.2
Feb 14	21.1	20.9	20.9	21.0	20.9	21.0	20.9	20.9	20.9	20.9	20.9	21.4	22.2	22.2	22.5	22.9	23.1	22.9	22.5	21.4	21.1	21.0	21.0	21.0	20.9	23.1	21.5
Feb 15	21.0	21.0	21.0	21.0	21.0	20.9	20.9	21.0	20.9	20.8	20.7	20.8	21.8	22.3	22.5	22.5	22.3	22.6	21.9	21.1	20.9	21.0	21.0	21.0	20.7	22.6	21.3
Feb 16	21.0	21.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.8	21.0	21.9	22.1	22.4	22.5	22.5	22.6	22.5	22.5	22.6	22.6	22.5	22.4	22.1	20.8	22.6	21.7
Feb 17	21.8	21.8	22.0	22.0	22.2	22.5	22.7	22.6	21.8	21.3	21.8	22.0	22.2	22.5	22.5	22.6	22.6	22.7	22.4	22.6	22.6	22.6	22.3	21.9	21.3	22.7	22.3
Feb 18	21.5	21.1	21.0	21.0	21.0	21.0	21.0	21.0	20.9	21.1	21.7	21.7	22.3	22.4	22.5	22.5	22.6	22.6	22.4	22.4	22.4	22.0	21.6	21.1	20.9	22.6	21.7
Feb 19	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9	21.0	21.7	21.8	22.2	22.5	22.5	22.7	22.6	22.6	22.6	22.6	22.5	22.1	22.0	22.0	20.9	22.7	21.8
Feb 20	22.0	22.3	22.3	22.6	22.2	21.6	21.0	21.0	21.0	21.0	21.9	22.1	22.3	22.2	22.3	22.4	22.3	22.3	22.3	22.2	22.5	22.4	22.3	22.5	21.0	22.6	22.0
Feb 21	22.6	22.7	22.7	22.6	22.3	22.0	21.9	21.5	21.2	21.3	21.8	22.0	22.2	22.4	22.4	22.5	22.4	22.5	22.4	22.5	22.5	22.4	22.2	22.3	21.2	22.7	22.2
Feb 22	22.2	22.2	22.4	22.3	22.3	22.2	22.4	22.3	22.3	22.2	22.3	22.7	22.3	22.4	22.5	22.6	22.4	22.4	22.6	22.9	23.1	22.9	22.8	22.6	22.2	23.1	22.5
Feb 23	22.6	22.6	22.6	22.9	23.0	22.7	22.7	22.1	22.8	22.8	22.9	23.7	24.3	22.3	22.0	22.5	22.6	22.4	22.4	22.3	22.3	22.3	22.4	22.3	22.0	24.3	22.6
Feb 24	22.2	22.4	22.4	22.2	22.1	22.2	22.3	22.3	22.2	22.3	22.3	22.1	22.2	22.4	22.5	22.5	22.6	22.7	22.8	22.7	22.5	22.5	22.2	22.4	22.1	22.8	22.4
Feb 25	22.6	22.5	22.2	21.3	21.0	21.0	21.0	21.0	21.0	21.1	21.0	21.0	21.0	21.0	21.0	20.9	20.9	20.9	20.8	20.8	20.9	20.9	20.9	20.9	20.8	22.6	21.2
Feb 26	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.0	20.9	21.0	20.9	20.9	20.9	20.9	20.9	21.2	21.0
Feb 27	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.6	20.6	20.7	20.9	21.2	21.2	21.2	21.1	20.9	20.9	20.9	20.9	20.9	21.0	20.6	21.2	**20.9**
Feb 28	20.9	20.9	20.9	20.9	20.9	20.8	20.9	20.9	20.9	20.8	20.5	20.8	21.5	22.3	22.4	22.4	22.5	22.7	22.6	22.1	21.6	21.1	21.1	21.0	20.5	22.7	21.4
Feb 29	21.0	21.0	21.1	21.1	21.1	21.0	21.1	21.0	21.0	21.0	20.9	21.0	21.6	22.1	22.4	22.7	22.4	22.0	21.2	21.0	21.0	21.0	21.0	21.0	20.9	22.7	21.3
Diurnal Maximum	22.8	22.8	22.7	22.9	23.0	22.7	22.7	22.7	22.8	23.4	23.5	23.7	24.3	23.2	24.1	24.9	25.6	24.6	22.8	22.9	23.1	22.9	22.8	22.8			
Diurnal Average	21.8	21.8	21.8	21.7	21.7	21.6	21.6	21.6	21.5	21.5	21.6	21.8	22.1	22.2	22.3	22.5	22.5	22.4	22.3	22.1	22.1	22.0	21.9	21.8			

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 - February 2024

Summary of Hourly Averages

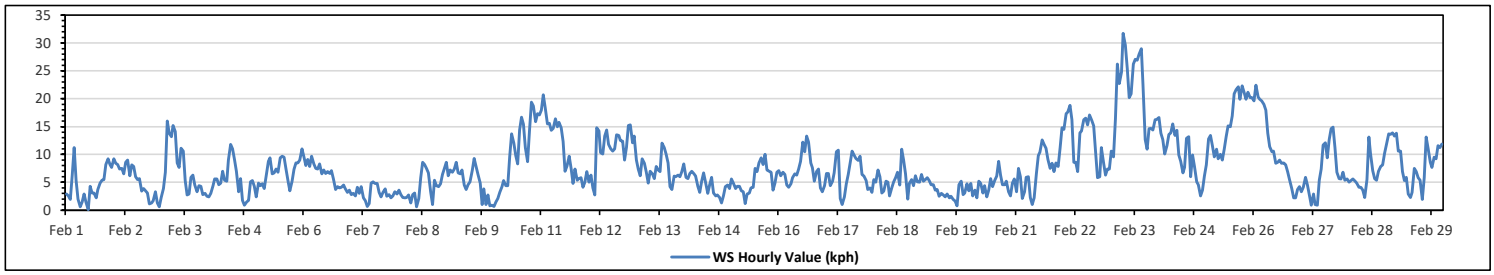
VECTOR WIND SPEED (VWS) in km/hr

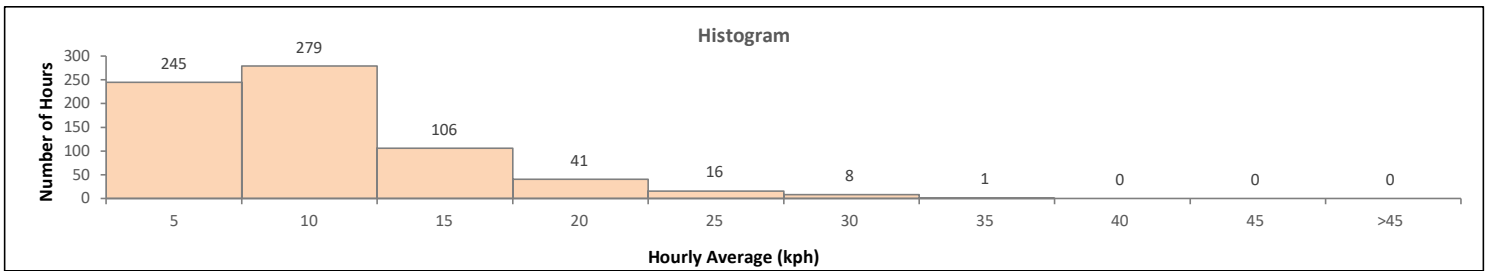
Maximum Hourly Value:	31.7	kph	on Feb 23 at hr 6	Hours in Service:	696	
Maximum Daily Value:	20.7	kph	on Feb 23	Hours of Data:	696	
Minimum Hourly Value:	0.1	kph	on Feb 1 at hr 11	Hours of Missing Data:	0	
Minimum Daily Value:	3.1	kph	on Feb 7	Hours of Calibration:	0	
Monthly Average:	7.7	kph		Operational 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
Feb 1	2.9	2.6	1.9	6.3	11.2	5.4	2.0	0.6	1.5	2.9	1.4	**0.1**	4.3	3.1	3.1	2.2	3.7	4.9	5.4	5.5	8.2	9.2	8.2	7.7	**0.1**	11.2	4.3
Feb 2	9.2	8.4	8.2	7.4	7.5	6.5	8.6	9.0	6.2	8.1	7.8	6.0	5.5	5.7	3.4	3.9	3.5	3.1	1.1	1.3	1.7	3.3	1.3	0.6	0.6	9.2	5.3
Feb 3	2.3	3.9	6.8	16.0	13.8	13.2	15.2	14.1	8.5	7.7	11.1	10.6	5.3	2.7	2.9	5.9	6.3	4.5	3.3	4.4	4.3	2.8	3.0	2.5	2.3	16.0	7.1
Feb 4	2.4	3.0	4.4	5.6	5.6	4.6	4.9	7.0	5.4	5.2	9.0	11.8	11.0	9.1	7.0	3.3	5.7	1.8	0.9	1.5	1.8	5.1	5.3	4.3	0.9	11.8	5.2
Feb 5	2.4	4.9	4.4	4.7	3.9	6.1	8.8	9.4	6.5	6.7	7.4	6.8	9.4	9.7	9.5	7.4	5.0	3.5	5.2	7.3	8.5	8.5	9.0	11.0	2.4	11.0	6.9
Feb 6	9.6	8.0	9.1	7.8	9.7	8.3	7.5	7.4	8.3	6.5	7.2	6.6	6.9	6.6	7.1	5.7	3.7	4.2	4.0	4.1	4.5	3.9	3.2	3.6	3.2	9.7	6.4
Feb 7	2.8	3.0	2.6	4.1	3.0	4.2	2.2	1.7	0.7	1.2	4.9	5.1	4.8	4.8	3.2	2.4	3.2	3.8	2.5	2.8	2.2	2.6	3.3	2.9	0.7	5.1	**3.1**
Feb 8	3.6	2.8	2.3	2.2	2.3	2.7	1.3	2.8	3.1	0.6	2.1	5.8	8.6	8.2	7.5	6.7	3.3	1.0	5.4	4.4	4.2	4.7	6.4	7.5	0.6	8.6	4.1
Feb 9	8.6	6.2	7.2	6.8	7.4	8.6	6.7	6.5	7.2	4.5	3.7	4.6	5.1	7.1	9.3	7.8	6.4	4.9	1.0	3.8	1.0	2.7	0.8	0.9	0.8	9.3	5.4
Feb 10	0.7	1.5	2.1	3.2	4.2	5.3	4.4	4.4	9.6	13.7	12.0	9.8	8.3	14.4	16.7	15.4	11.2	8.7	14.3	19.4	18.7	15.9	17.3	17.1	0.7	19.4	10.3
Feb 11	17.9	20.7	18.4	15.5	15.6	14.3	14.7	16.4	15.0	15.8	14.8	12.3	7.0	7.9	9.7	7.5	4.8	7.4	5.4	5.7	5.8	4.1	5.0	6.9	4.1	20.7	11.2
Feb 12	5.0	6.3	4.0	2.7	14.8	14.2	10.3	10.1	13.3	14.4	11.8	11.0	10.6	11.0	13.5	13.4	12.5	12.4	9.0	11.3	15.2	15.3	12.1	13.3	2.7	15.3	11.1
Feb 13	9.0	7.3	6.2	9.2	8.4	6.8	4.9	7.0	6.5	5.7	7.8	7.2	6.9	12.0	11.2	10.0	8.5	4.2	3.7	6.1	6.0	6.3	6.0	6.9	3.7	12.0	7.2
Feb 14	8.3	5.9	5.7	6.6	7.0	6.5	6.1	4.3	3.2	5.2	6.7	5.0	3.0	4.6	5.9	3.1	2.6	2.7	2.3	1.3	2.6	4.2	4.5	3.9	1.3	8.3	4.6
Feb 15	5.6	4.9	3.9	4.3	4.3	3.5	3.3	1.2	2.9	3.1	4.0	4.1	7.5	6.9	8.5	9.4	8.2	10.0	7.2	7.0	6.8	3.6	4.9	6.8	1.2	10.0	5.5
Feb 16	7.1	6.2	6.8	6.4	4.5	4.1	4.7	5.8	6.5	6.3	7.4	8.8	12.2	10.5	13.3	12.2	8.5	7.6	5.2	6.9	7.4	4.0	3.3	4.4	3.3	13.3	7.1
Feb 17	6.6	6.6	4.4	5.2	6.7	10.5	10.8	2.1	1.0	2.4	4.7	6.4	8.5	10.6	9.9	9.3	8.9	9.7	6.4	6.1	5.3	3.7	4.0	3.2	1.0	10.8	6.4
Feb 18	5.5	5.0	7.2	6.0	3.1	3.4	5.2	5.0	2.6	4.0	5.1	5.8	6.8	4.5	10.9	9.0	6.5	2.0	4.8	5.5	4.4	6.2	5.1	5.0	2.0	10.9	5.4
Feb 19	6.4	5.2	5.5	5.8	5.3	4.6	4.6	3.6	3.7	2.5	3.0	2.7	2.4	2.9	2.2	2.5	1.9	1.6	0.8	4.6	5.2	2.8	3.1	4.7	0.8	6.4	3.7
Feb 20	3.5	4.8	2.6	3.6	2.2	5.2	4.8	3.1	4.4	2.4	3.6	5.7	4.2	5.4	6.1	8.8	6.3	4.6	4.6	5.2	3.3	2.6	4.9	5.6	2.2	8.8	4.5
Feb 21	3.3	7.5	6.0	2.1	3.3	5.9	6.0	2.3	1.0	2.2	6.6	9.8	10.4	12.6	11.8	11.1	9.1	7.5	8.4	6.9	8.5	7.8	11.1	14.8	1.0	14.8	7.3
Feb 22	14.5	17.3	17.6	18.8	16.2	8.6	8.6	6.9	13.9	14.2	16.2	16.5	15.3	17.1	16.1	15.1	10.4	5.8	6.0	11.2	8.5	6.3	7.4	7.4	5.8	18.8	12.3
Feb 23	10.6	9.6	16.4	26.2	22.7	24.8	**31.7**	29.6	25.4	20.2	20.9	26.2	27.1	26.9	28.0	29.0	22.6	12.7	10.9	14.6	14.7	14.4	16.2	16.3	9.6	**31.7**	**20.7**
Feb 24	16.6	13.8	12.7	10.1	11.6	13.6	13.9	15.5	13.4	14.3	9.9	8.8	6.7	7.7	12.9	13.2	6.0	9.9	7.8	5.1	4.6	2.6	3.6	6.1	2.6	16.6	10.0
Feb 25	8.1	12.8	13.4	11.6	9.6	10.9	9.2	10.0	9.0	10.9	13.2	15.1	15.0	16.9	20.9	21.6	22.1	19.9	22.3	21.2	19.9	21.2	20.2	20.2	8.1	22.3	15.6
Feb 26	19.6	22.4	20.3	19.9	19.6	19.0	17.9	13.8	11.4	10.5	10.6	8.4	8.6	9.0	8.4	8.5	8.1	6.9	5.5	3.9	2.2	2.2	3.7	4.2	2.2	22.4	11.0
Feb 27	3.3	4.1	5.9	4.5	2.7	0.9	2.9	1.0	0.9	5.4	7.4	11.7	12.1	9.4	12.7	14.6	14.9	11.2	6.8	5.7	5.6	6.8	5.4	5.6	0.9	14.9	6.7
Feb 28	5.0	5.3	5.6	5.2	4.9	4.1	4.1	3.6	2.3	5.5	13.1	10.2	7.1	5.7	5.4	7.0	7.8	8.1	10.2	11.8	13.7	13.6	13.9	13.3	2.3	13.9	7.8
Feb 29	13.8	10.6	10.6	6.9	5.3	5.9	2.9	2.3	3.2	7.5	6.9	5.8	5.4	1.9	5.8	13.1	11.1	8.6	7.7	9.5	9.2	11.6	11.2	11.9	1.9	13.8	7.9
Diurnal Maximum	19.6	22.4	20.3	26.2	22.7	24.8	31.7	29.6	25.4	20.2	20.9	26.2	27.1	26.9	28.0	29.0	22.6	19.9	22.3	21.2	19.9	21.2	20.2	20.2			
Diurnal Average	7.4	7.6	7.7	8.1	8.2	8.0	7.9	7.1	6.8	7.2	8.3	8.6	8.5	8.8	9.8	9.6	8.0	6.7	6.1	7.0	7.0	6.8	7.0	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.



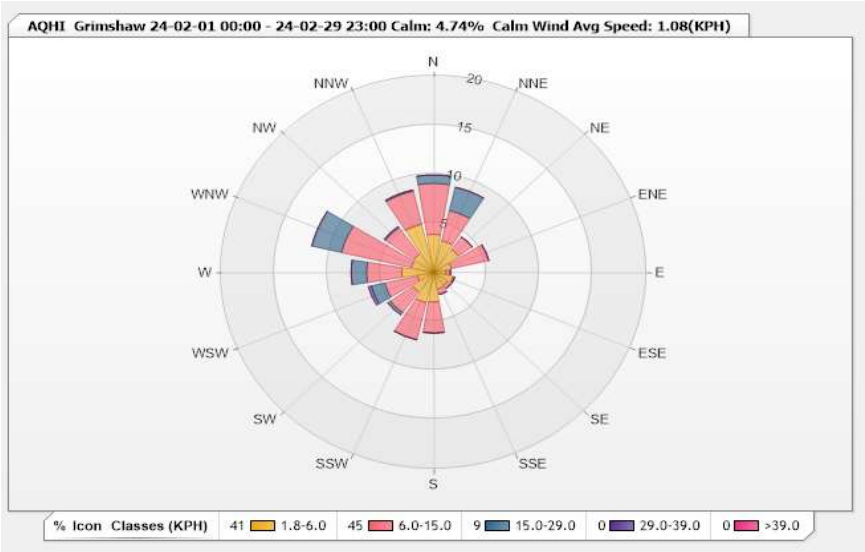


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 02-2024

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

Calm (WS<1.8kph): 4.74% 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	3.88	5.17	0.86	0	0	9.91
NNE	3.3	3.16	2.44	0	0	8.9
NE	2.87	1.58	0	0	0	4.45
ENE	1.72	3.59	0	0	0	5.31
E	1.15	0.43	0	0	0	1.58
ESE	1.87	0.14	0	0	0	2.01
SE	1.58	0.43	0	0	0	2.01
SSE	1.72	0.57	0	0	0	2.29
S	3.02	3.16	0	0	0	6.18
SSW	3.16	3.88	0	0	0	7.04
SW	2.44	2.59	0.29	0	0	5.32
WSW	1.58	3.16	1.29	0.29	0	6.32
W	3.02	3.3	1.44	0	0	7.76
WNW	2.16	6.75	2.87	0	0	11.78
NW	2.3	3.3	0.14	0	0	5.74
NNW	5.03	3.45	0.14	0	0	8.62
Summary	40.8	44.66	9.47	0.29	0	95.22



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2024

Summary of Hourly Averages

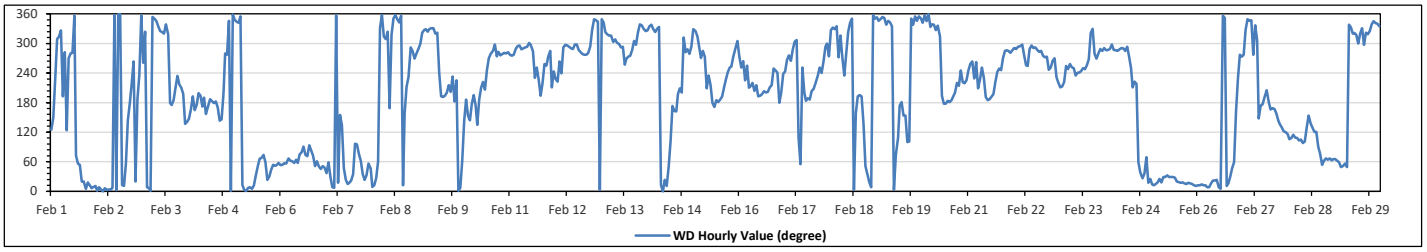
WIND DIRECTION (VWD) in sector

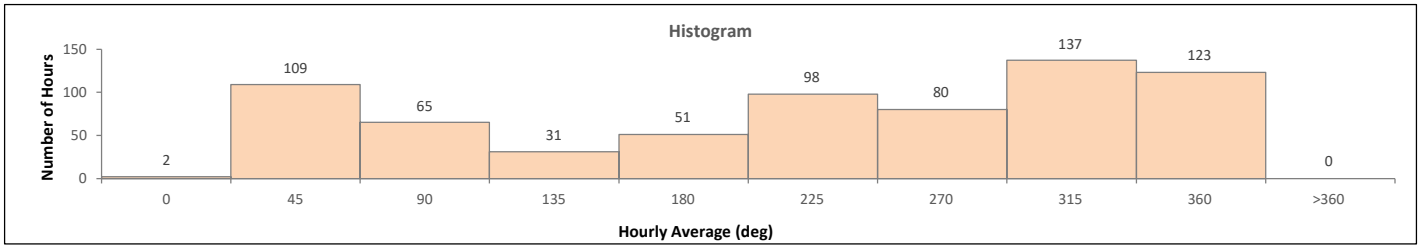
Monthly Average:	307 (NW)	degree	
Hours in Service:	696		
Hours of Data:	696		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

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
Feb 1	SE	SSE	SW	NW	NW	NW	S	W	ESE	W	W	W	N	ENE	NE	NE	NNE	NNE	N	NNE	NNE	N	N	NNE	357	N
Feb 2	N	N	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	SE	S	SW	W	NNE	S	SW	N	1	N
Feb 3	W	NW	N	N	N	N	N	NNW	NNW	NW	NW	NW	NNW	NW	S	S	S	SSW	SW	SW	SSW	SSW	SE	SE	295	WNW
Feb 4	SE	SSE	S	SSE	S	SSW	SSW	S	S	SSE	S	S	S	S	S	SSE	SE	SE	SSW	W	W	NNW	N	N	182	S
Feb 5	NNW	NNW	NNW	N	NNE	N	N	N	N	N	NNE	NNE	NE	ENE	ENE	ENE	ENE	NNE	NNE	NE	NE	NE	NE	ENE	27	NNE
Feb 6	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	E	E	ENE	NE	ENE	NE	NE	NE	NE	64	ENE
Feb 7	NE	ENE	NNE	N	N	N	NNE	SSE	SE	NE	NNE	NNE	NNE	NNE	NE	E	E	ENE	ENE	NE	NNE	NNE	NE	NE	43	NE
Feb 8	N	NNE	NNE	ENE	NNW	N	NW	NW	NW	SSE	NW	N	N	NNW	NNW	N	NNE	SSE	SSW	SW	WNW	WNW	W	W	329	NNW
Feb 9	WNW	WNW	NW	NW	NNW	NW	NNW	NNW	NNW	NW	NW	WSW	S	S	SSW	SSW	SSW	SSW	SW	S	SW	N	N	ENE	283	W
Feb 10	SE	S	SSE	SE	S	SSW	S	SE	S	SSW	SW	SSW	WSW	W	W	WNW	WNW	W	W	W	W	W	W	W	231	SW
Feb 11	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SW	WSW	SW	SSW	SW	WSW	WSW	W	WNW	SSW	WSW	268	W
Feb 12	SW	SW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	NNW	NNW	NNW	NNW	N	292	WNW
Feb 13	NNW	NNW	NW	NW	NW	NW	WNW	NW	WNW	WNW	WNW	WNW	WSW	W	W	W	WNW	WNW	WNW	NW	NNW	NNW	NNW	NW	308	NW
Feb 14	NW	NNW	NNW	NNW	NW	NNW	NNW	NNE	N	NNE	NNE	NE	E	S	SSE	SSE	SSW	SSW	SSW	NW	W	WNW	W	WNW	318	NW
Feb 15	NNW	NW	NW	WNW	W	WNW	W	SSW	SW	SSW	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	W	WNW	WNW	245	WSW
Feb 16	W	WSW	W	SW	WSW	SSW	SSW	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	S	SSW	SW	220	SW
Feb 17	WSW	W	W	W	WNW	WNW	NW	ESE	NE	WSW	SSW	S	S	S	SSW	SSW	SW	SW	WSW	WSW	W	WNW	WNW	W	247	WSW
Feb 18	NW	NNW	NNW	NNW	W	NW	W	SW	W	NW	NNW	N	N	SSE	S	SSW	S	SE	NE	NE	NNE	N	N	N	327	NW
Feb 19	N	NNW	NNW	N	N	NNW	NNW	NNW	NNW	N	ENE	ESE	S	S	SSE	SSE	E	E	N	NNW	N	NNW	N	N	8	N
Feb 20	NNW	N	NNW	N	NNW	NNW	NNW	NW	NNW	NW	SSW	S	S	S	S	S	S	SSW	SW	SSW	WSW	SW	SW	SW	250	WSW
Feb 21	WSW	WSW	W	SW	W	SSW	SW	WSW	SW	S	S	S	S	SSW	SW	WSW	WSW	WSW	W	WNW	WNW	WNW	W	WNW	241	WSW
Feb 22	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	W	WSW	WSW	W	W	SW	SW	275	W
Feb 23	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NNW	W	W	W	WNW	WNW	WNW	259	WSW
Feb 24	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	SSW	SW	SW	ENE	NE	NNE	NE	ENE	NNE	NNE	300	WNW
Feb 25	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	20	NNE
Feb 26	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NE	ENE	SSE	SW	W	W	10	N
Feb 27	W	NNW	NNW	NNW	NNW	W	NNW	NW	SE	S	S	S	SSW	S	SSE	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	ESE	170	SSE
Feb 28	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	SE	SSE	SE	SE	ESE	ESE	E	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	98	E
Feb 29	ENE	ENE	ENE	NE	NE	NE	NE	NNW	NNW	NW	NW	NW	WNW	NW	NNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	349	NNW

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 - February 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	31.7	kph	on Feb 23 at hr 6	Hours in Service:	696
Maximum Daily Value:	20.7	kph	on Feb 23	Hours of Data:	696
Minimum Hourly Value:	0.1	kph	on Feb 1 at hr 11	Hours of Missing Data:	0
Minimum Daily Value:	3.1	kph	on Feb 7	Hours of Calibration:	0
Monthly Average:	7.7	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 307 degree (NW)

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			
Feb 1	2.9	2.6	1.9	6.3	11.2	5.4	2.0	0.6	1.5	2.9	1.4	**0.1**	4.3	3.1	3.1	2.2	3.7	4.9	5.4	5.5	8.2	9.2	8.2	7.7	**0.1**	11.2	4.3
	SE	SSE	SW	NW	NW	NW	S	W	ESE	W	W	W	N	ENE	NE	NE	NNE	NNE	N	NNE	NNE	N	N	NNE			357(N)
Feb 2	9.2	8.4	8.2	7.4	7.5	6.5	8.6	9.0	6.2	8.1	7.8	6.0	5.5	5.7	3.4	3.9	3.5	3.1	1.1	1.3	1.7	3.3	1.3	0.6	0.6	9.2	5.3
	N	N	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	SE	S	SW	W	NNE	S	SW	N			1(N)
Feb 3	2.3	3.9	6.8	16.0	13.8	13.2	15.2	14.1	8.5	7.7	11.1	10.6	5.3	2.7	2.9	5.9	6.3	4.5	3.3	4.4	4.3	2.8	3.0	2.5	2.3	16.0	7.1
	W	NW	N	N	N	N	N	NNW	NNW	NW	NW	NW	NNW	NW	S	S	S	SSW	SW	SW	SSW	SSW	SE	SE			295(WNW)
Feb 4	2.4	3.0	4.4	5.6	5.6	4.6	4.9	7.0	5.4	5.2	9.0	11.8	11.0	9.1	7.0	3.3	5.7	1.8	0.9	1.5	1.8	5.1	5.3	4.3	0.9	11.8	5.2
	SE	SSE	S	SSE	S	SSW	SSW	S	S	SSE	S	S	S	S	S	SSE	SE	SE	SSW	W	W	NNW	N	N			182(S)
Feb 5	2.4	4.9	4.4	4.7	3.9	6.1	8.8	9.4	6.5	6.7	7.4	6.8	9.4	9.7	9.5	7.4	5.0	3.5	5.2	7.3	8.5	8.5	9.0	11.0	2.4	11.0	6.9
	NNW	NNW	NNW	N	NNE	N	N	N	N	N	NNE	NNE	NE	ENE	ENE	ENE	ENE	NNE	NNE	NE	NE	NE	NE	ENE			27(NNE)
Feb 6	9.6	8.0	9.1	7.8	9.7	8.3	7.5	7.4	8.3	6.5	7.2	6.6	6.9	6.6	7.1	5.7	3.7	4.2	4.0	4.1	4.5	3.9	3.2	3.6	3.2	9.7	6.4
	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	E	E	ENE	NE	ENE	NE	NE	NE	NE			64(ENE)
Feb 7	2.8	3.0	2.6	4.1	3.0	4.2	2.2	1.7	0.7	1.2	4.9	5.1	4.8	4.8	3.2	2.4	3.2	3.8	2.5	2.8	2.2	2.6	3.3	2.9	0.7	5.1	**3.1**
	NE	ENE	NNE	N	N	N	NNE	SSE	SE	NE	NNE	NNE	NNE	NNE	NE	E	E	ENE	ENE	NE	NNE	NNE	NE	NE			43(NE)
Feb 8	3.6	2.8	2.3	2.2	2.3	2.7	1.3	2.8	3.1	0.6	2.1	5.8	8.6	8.2	7.5	6.7	3.3	1.0	5.4	4.4	4.2	4.7	6.4	7.5	0.6	8.6	4.1
	N	NNE	NNE	ENE	NNW	N	NW	NW	NW	SSE	NW	N	N	NNW	NNW	N	NNE	SSE	SSW	SW	WNW	WNW	W	W			329(NNW)
Feb 9	8.6	6.2	7.2	6.8	7.4	8.6	6.7	6.5	7.2	4.5	3.7	4.6	5.1	7.1	9.3	7.8	6.4	4.9	1.0	3.8	1.0	2.7	0.8	0.9	0.8	9.3	5.4
	WNW	WNW	NW	NW	NNW	NW	NNW	NNW	NNW	NW	NW	WSW	S	S	SSW	SSW	SSW	SSW	SW	S	SW	N	N	ENE			283(W)
Feb 10	0.7	1.5	2.1	3.2	4.2	5.3	4.4	4.4	9.6	13.7	12.0	9.8	8.3	14.4	16.7	15.4	11.2	8.7	14.3	19.4	18.7	15.9	17.3	17.1	0.7	19.4	10.3
	SE	S	SSE	SE	S	SSW	S	SE	S	SSW	SW	SSW	WSW	W	W	WNW	WNW	W	W	W	W	W	W	W			231(SW)
Feb 11	17.9	20.7	18.4	15.5	15.6	14.3	14.7	16.4	15.0	15.8	14.8	12.3	7.0	7.9	9.7	7.5	4.8	7.4	5.4	5.7	5.8	4.1	5.0	6.9	4.1	20.7	11.2
	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	SW	WSW	SW	SSW	SW	WSW	WSW	W	WNW	SSW	WSW			268(W)
Feb 12	5.0	6.3	4.0	2.7	14.8	14.2	10.3	10.1	13.3	14.4	11.8	11.0	10.6	11.0	13.5	13.4	12.5	12.4	9.0	11.3	15.2	15.3	12.1	13.3	2.7	15.3	11.1
	SW	SW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	NNW	NNW	NNW	NNW	N			292(WNW)
Feb 13	9.0	7.3	6.2	9.2	8.4	6.8	4.9	7.0	6.5	5.7	7.8	7.2	6.9	12.0	11.2	10.0	8.5	4.2	3.7	6.1	6.0	6.3	6.0	6.9	3.7	12.0	7.2
	NNW	NNW	NW	NW	NW	NW	WNW	NW	WNW	WNW	WNW	WNW	WSW	W	W	W	WNW	WNW	WNW	NW	NNW	NNW	NNW	NW			308(NW)
Feb 14	8.3	5.9	5.7	6.6	7.0	6.5	6.1	4.3	3.2	5.2	6.7	5.0	3.0	4.6	5.9	3.1	2.6	2.7	2.3	1.3	2.6	4.2	4.5	3.9	1.3	8.3	4.6
	NW	NNW	NNW	NNW	NW	NNW	NNW	NNE	N	NNE	NNE	NE	E	S	SSE	SSE	SSW	SSW	SSW	NW	W	WNW	W	WNW			318(NW)
Feb 15	5.6	4.9	3.9	4.3	4.3	3.5	3.3	1.2	2.9	3.1	4.0	4.1	7.5	6.9	8.5	9.4	8.2	10.0	7.2	7.0	6.8	3.6	4.9	6.8	1.2	10.0	5.5
	NNW	NW	NW	WNW	W	WNW	W	SSW	SW	SSW	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	W	WNW	WNW			245(WSW)
Feb 16	7.1	6.2	6.8	6.4	4.5	4.1	4.7	5.8	6.5	6.3	7.4	8.8	12.2	10.5	13.3	12.2	8.5	7.6	5.2	6.9	7.4	4.0	3.3	4.4	3.3	13.3	7.1
	W	WSW	W	SW	WSW	SSW	SSW	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW	WSW	WSW	S	SSW	SW			220(SW)
Feb 17	6.6	6.6	4.4	5.2	6.7	10.5	10.8	2.1	1.0	2.4	4.7	6.4	8.5	10.6	9.9	9.3	8.9	9.7	6.4	6.1	5.3	3.7	4.0	3.2	1.0	10.8	6.4
	WSW	W	W	W	WNW	WNW	NW	ESE	NE	WSW	SSW	S	S	S	SSW	SSW	SW	SW	WSW	WSW	W	WNW	WNW	W			247(WSW)
Feb 18	5.5	5.0	7.2	6.0	3.1	3.4	5.2	5.0	2.6	4.0	5.1	5.8	6.8	4.5	10.9	9.0	6.5	2.0	4.8	5.5	4.4	6.2	5.1	5.0	2.0	10.9	5.4
	NW	NNW	NNW	NNW	W	NW	W	SW	W	NW	NNW	N	N	SSE	S	SSW	S	SE	NE	NE	NNE	N	N	N			327(NW)
Feb 19	6.4	5.2	5.5	5.8	5.3	4.6	4.6	3.6	3.7	2.5	3.0	2.7	2.4	2.9	2.2	2.5	1.9	1.6	0.8	4.6	5.2	2.8	3.1	4.7	0.8	6.4	3.7
	N	NNW	NNW	N	N	NNW	NNW	NNW	NNW	N	ENE	ESE	S	S	SSE	SSE	E	E	N	NNW	N	NNW	N	N			8(N)
Feb 20	3.5	4.8	2.6	3.6	2.2	5.2	4.8	3.1	4.4	2.4	3.6	5.7	4.2	5.4	6.1	8.8	6.3	4.6	4.6	5.2	3.3	2.6	4.9	5.6	2.2	8.8	4.5
	NNW	N	NNW	N	NNW	NNW	NNW	NW	NNW	NW	SSW	S	S	S	S	S	S	SSW	SW	SSW	WSW	SW	SW	SW			250(WSW)
Feb 21	3.3	7.5	6.0	2.1	3.3	5.9	6.0	2.3	1.0	2.2	6.6	9.8	10.4	12.6	11.8	11.1	9.1	7.5	8.4	6.9	8.5	7.8	11.1	14.8	1.0	14.8	7.3
	WSW	WSW	W	SW	W	SSW	SW	WSW	SW	S	S	S	S	SSW	SW	WSW	WSW	WSW	W	WNW	WNW	WNW	W	WNW			241(WSW)
Feb 22	14.5	17.3	17.6	18.8	16.2	8.6	8.6	6.9	13.9	14.2	16.2	16.5	15.3	17.1	16.1	15.1	10.4	5.8	6.0	11.2	8.5	6.3	7.4	7.4	5.8	18.8	12.3
	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	W	WSW	WSW	W	W	SW	SW			275(W)
Feb 23	10.6	9.6	16.4	26.2	22.7	24.8	**31.7**	29.6	25.4	20.2	20.9	26.2	27.1	26.9	28.0	29.0	22.6	12.7	10.9	14.6	14.7	14.4	16.2	16.3	9.6	**31.7**	**20.7**
	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NNW	W	W	W	WNW	WNW	WNW			259(WSW)
Feb 24	16.6	13.8	12.7	10.1	11.6	13.6	13.9	15.5	13.4	14.3	9.9	8.8	6.7	7.7	12.9	13.2	6.0	9.9	7.8	5.1	4.6	2.6	3.6	6.1	2.6	16.6	10.0
	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	SSW	SW	SW	ENE	NE	NNE	NE	ENE	NNE	NNE			300(WNW)
Feb 25	8.1	12.8	13.4	11.6	9.6	10.9	9.2	10.0	9.0	10.9	13.2	15.1	15.0	16.9	20.9	21.6	22.1	19.9	22.3	21.2	19.9	21.2	20.2	20.2	8.1	22.3	15.6
	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			20(NNE)
Feb 26	19.6	22.4	20.3	19.9	19.6	19.0	17.9	13.8	11.4	10.5	10.6	8.4	8.6	9.0	8.4	8.5	8.1	6.9	5.5	3.9	2.2	2.2	3.7	4.2	2.2	22.4	11.0
	NNE	NNE	NNE	NNE	NNE	N	N	NNE	NNE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NE	ENE	SSE	SW	W	W			10(N)
Feb 27	3.3	4.1	5.9	4.5	2.7	0.9	2.9	1.0	0.9	5.4	7.4	11.7	12.1	9.4	12.7	14.6	14.9	11.2	6.8	5.7	5.6	6.8	5.4	5.6	0.9	14.9	6.7
	W	NNW	NNW	NNW	NNW	W	NNW	NW	SE	S	S	S	SSW	S	SSE	SSE	SSE	SSE	SE	SE	SE	ESE	ESE	ESE			170(SSE)
Feb 28	5.0	5.3	5.6	5.2	4.9	4.1	4.1	3.6	2.3	5.5	13.1	10.2	7.1	5.7	5.4	7.0	7.8	8.1	10.2	11.8	13.7	13.6	13.9	13.3	2.3	13.9	7.8
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	SE	SSE	SE	SE	ESE	ESE	E	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE			98(E)
Feb 29	13.8	10.6	10.6	6.9	5.3	5.9	2.9	2.3	3.2	7.5	6.9	5.8	5.4	1.9	5.8	13.1	11.1	8.6	7.7	9.5	9.2	11.6	11.2	11.9	1.9	13.8	7.9
	ENE	ENE	ENE	NE	NE	NE	NE	NNW	NNW	NW	NW	NW	WNW	NW	NNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW			349(NNW)

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, 142 of 142, ends the February 2024 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

FEBRUARY 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202402-01561

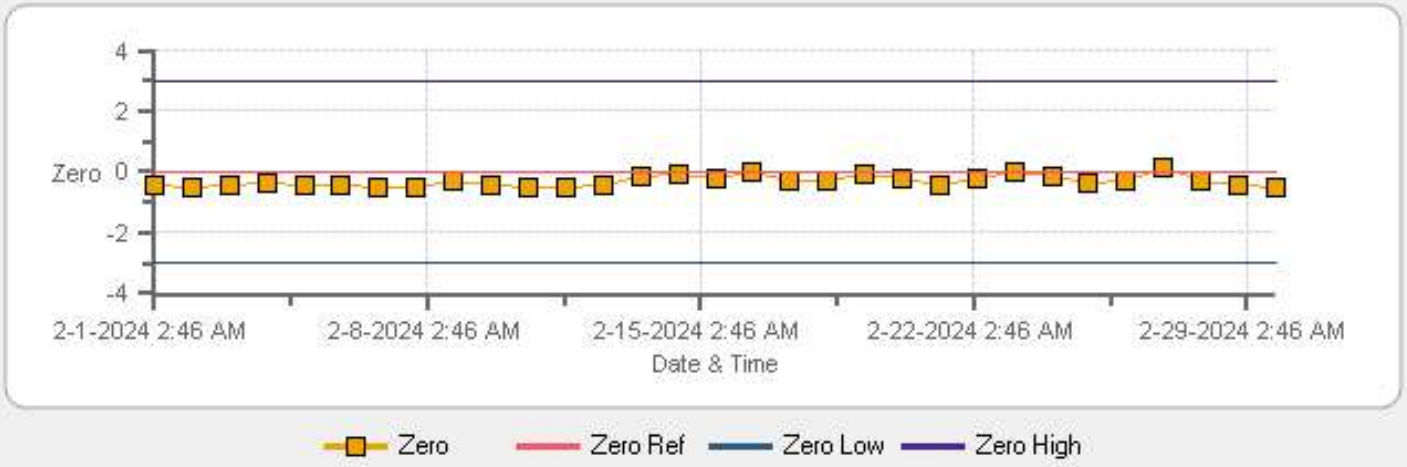
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

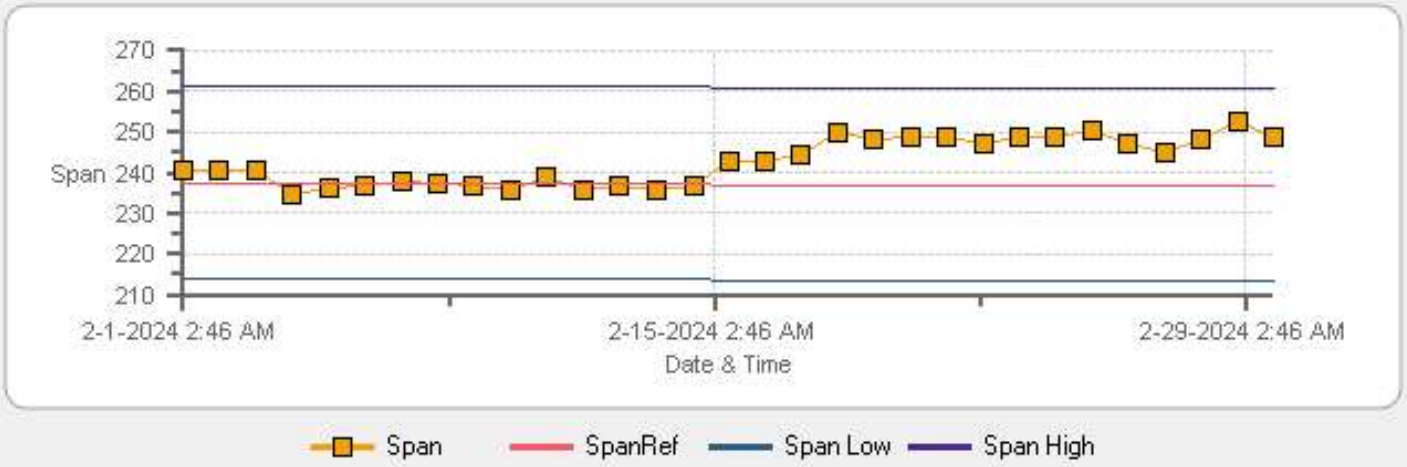
March 8, 2024

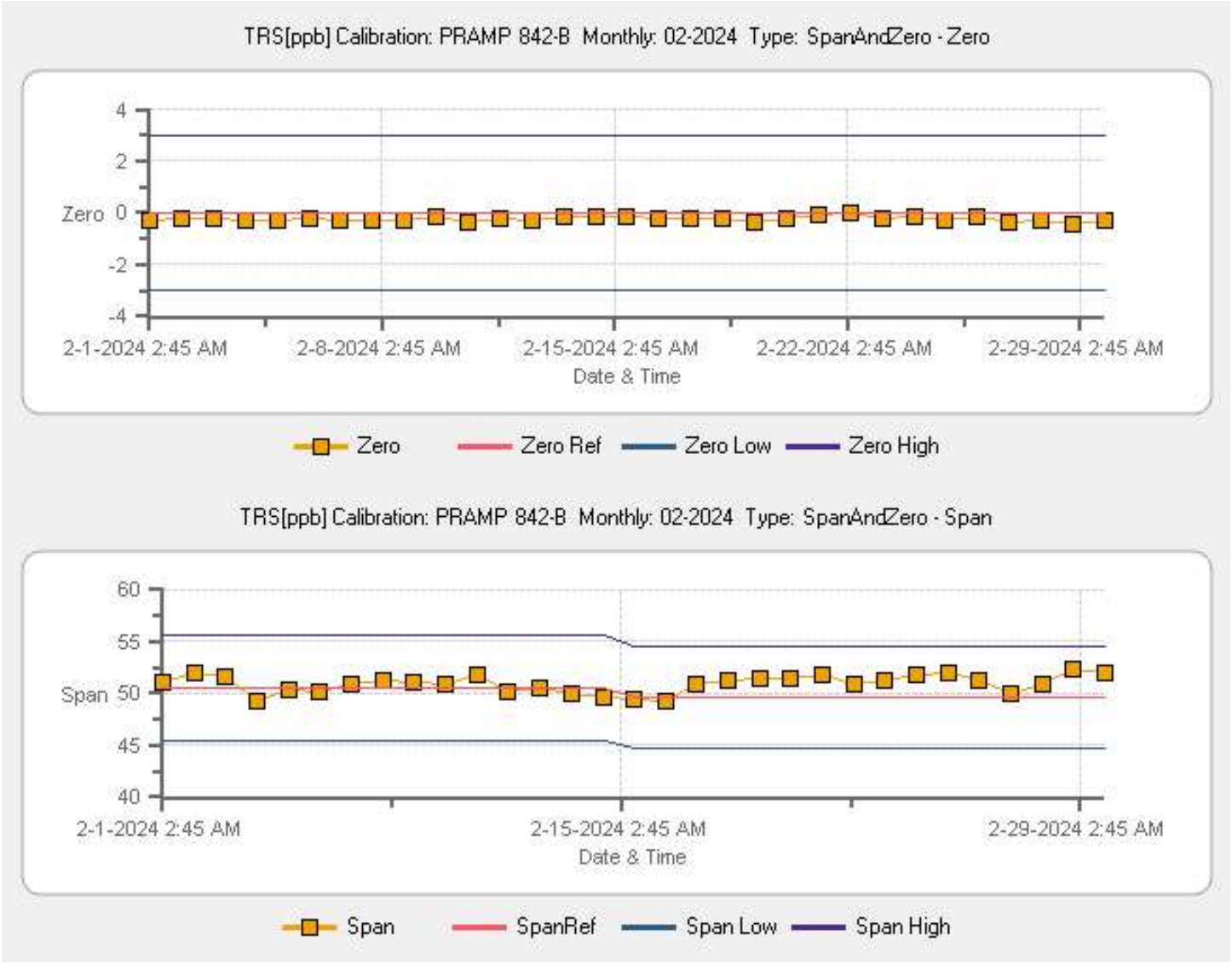
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

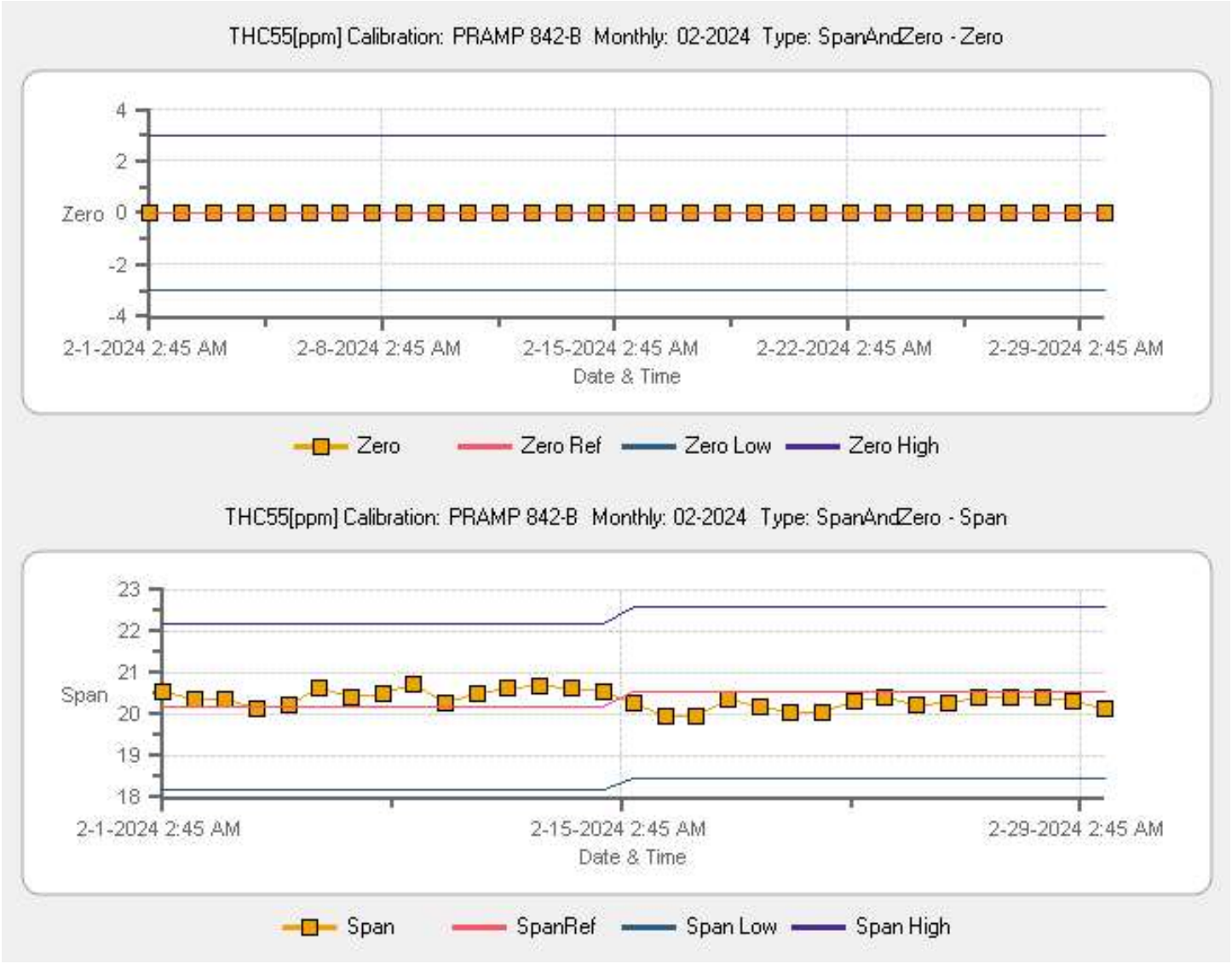
SO2[ppb] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Zero

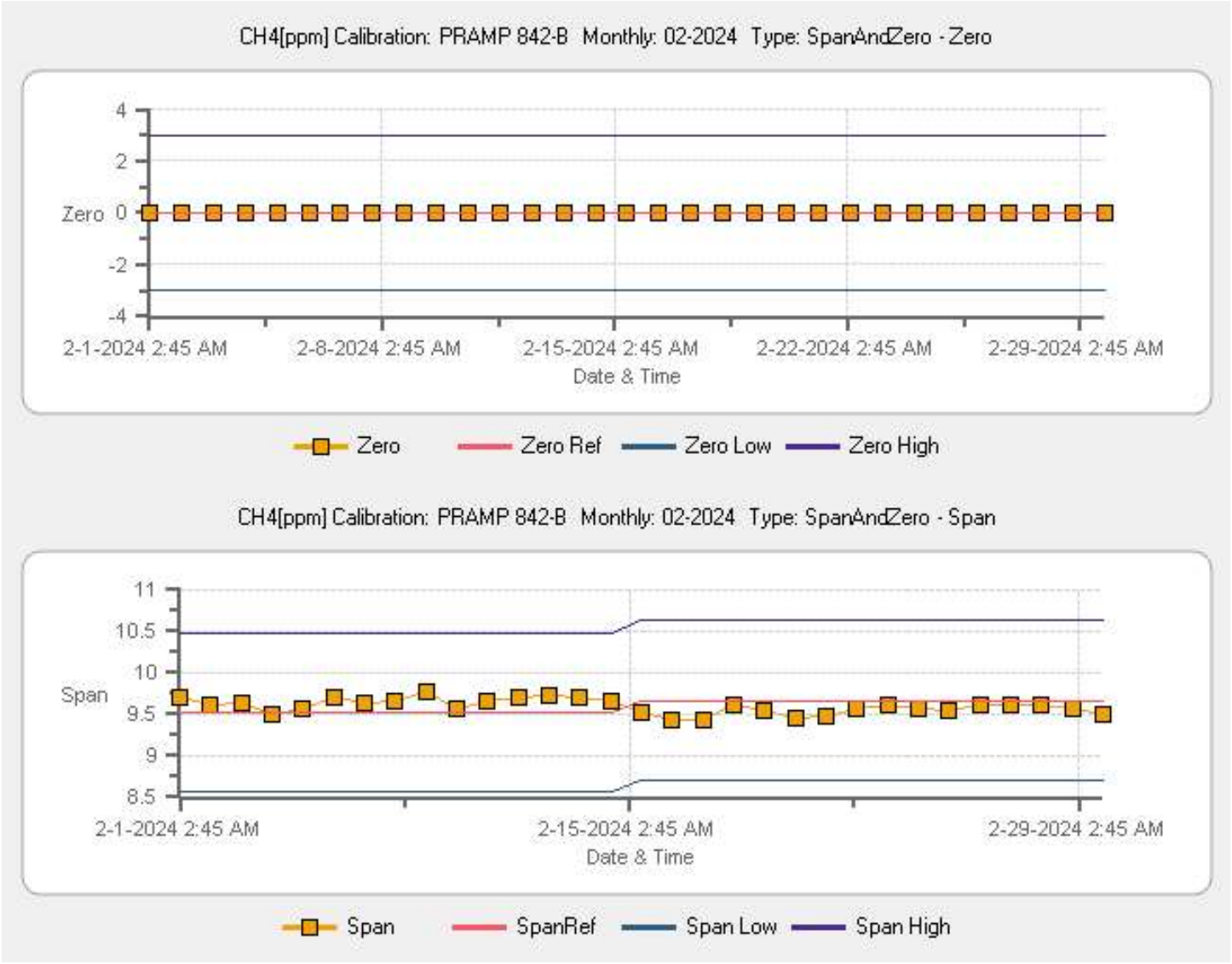


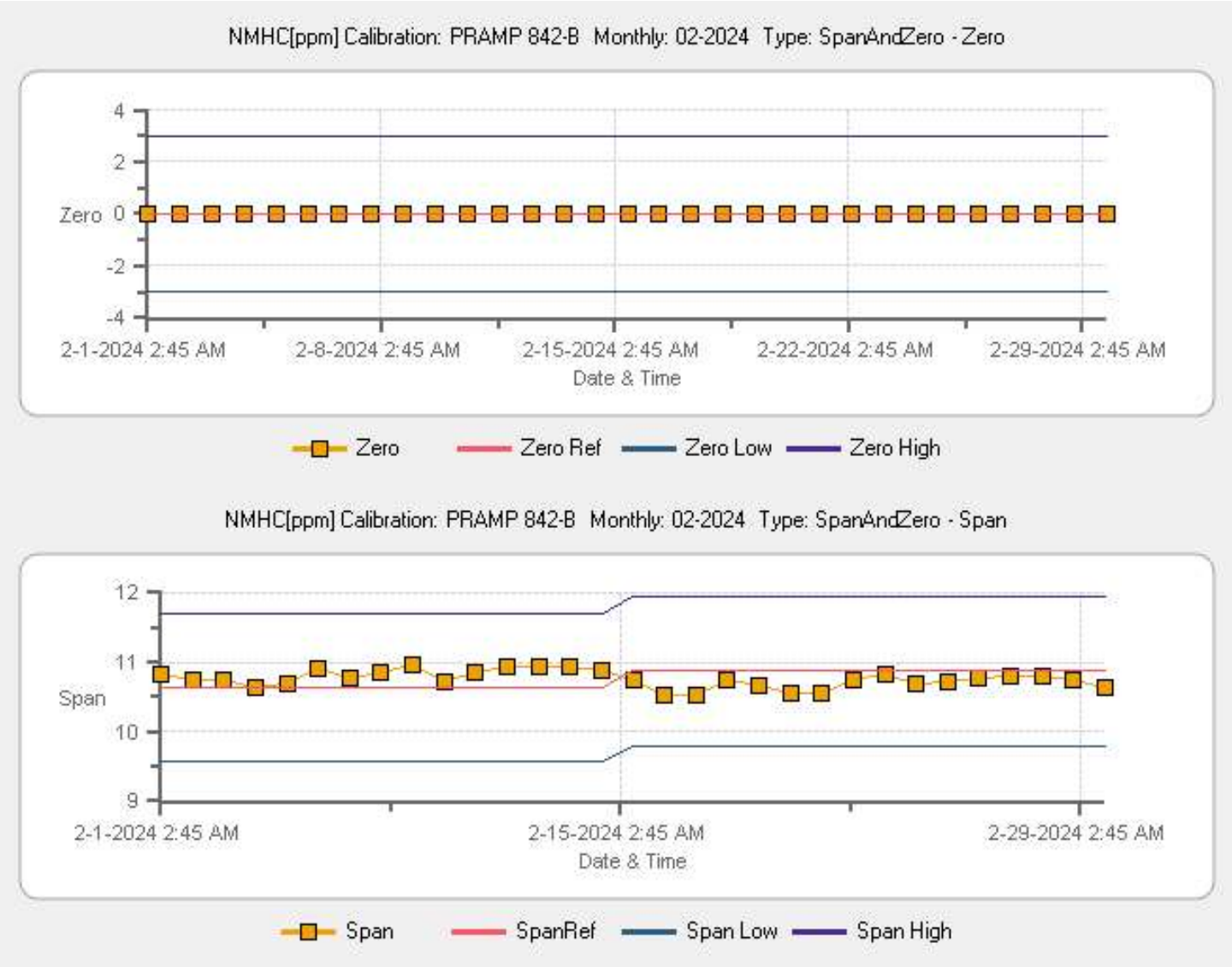
SO2[ppb] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Span




TRS[ppb] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 2:45 AM
2-8-2024 2:45 AM
2-15-2024 2:45 AM
2-22-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Span
60
55
Span 50
45
40
2-1-2024 2:45 AM
2-15-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 2:45 AM
2-8-2024 2:45 AM
2-15-2024 2:45 AM
2-22-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Span
23
22
21
Span 20
19
18
2-1-2024 2:45 AM
2-15-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Span
SpanRef
Span Low
Span High


CH4[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 2:45 AM
2-8-2024 2:45 AM
2-15-2024 2:45 AM
2-22-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
CH4[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Span
11
10.5
10
Span 9.5
9
8.5
2-1-2024 2:45 AM
2-15-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Span
SpanRef
Span Low
Span High


NMHC[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 2:45 AM
2-8-2024 2:45 AM
2-15-2024 2:45 AM
2-22-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP 842-B Monthly: 02-2024 Type: SpanAndZero - Span
12
11
Span
10
9
2-1-2024 2:45 AM
2-15-2024 2:45 AM
2-29-2024 2:45 AM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	14-Feb-2024	PREVIOUS CALIBRATION DATE:	17-Jan-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	24.0
LOCATION:	842b	BAROMETRIC (mBar):	950
PURPOSE	Routine	START TIME (MST):	09:02
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:31

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	427
INITIAL		FINAL	
BKG/OFFSET	9.1	BKG/OFFSET	9.5
COEF/SLOPE	1.102	COEF/SLOPE	1.144
Expected (reference) Value	237.3	Expected (reference) Value	236.9

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1500	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	364.8	380.9	1.041	0.998
3970	28.80	3999	180.05	n/a	181.6	n/a	0.991
3986	14.40	4000	90.00	n/a	90.5	n/a	0.994

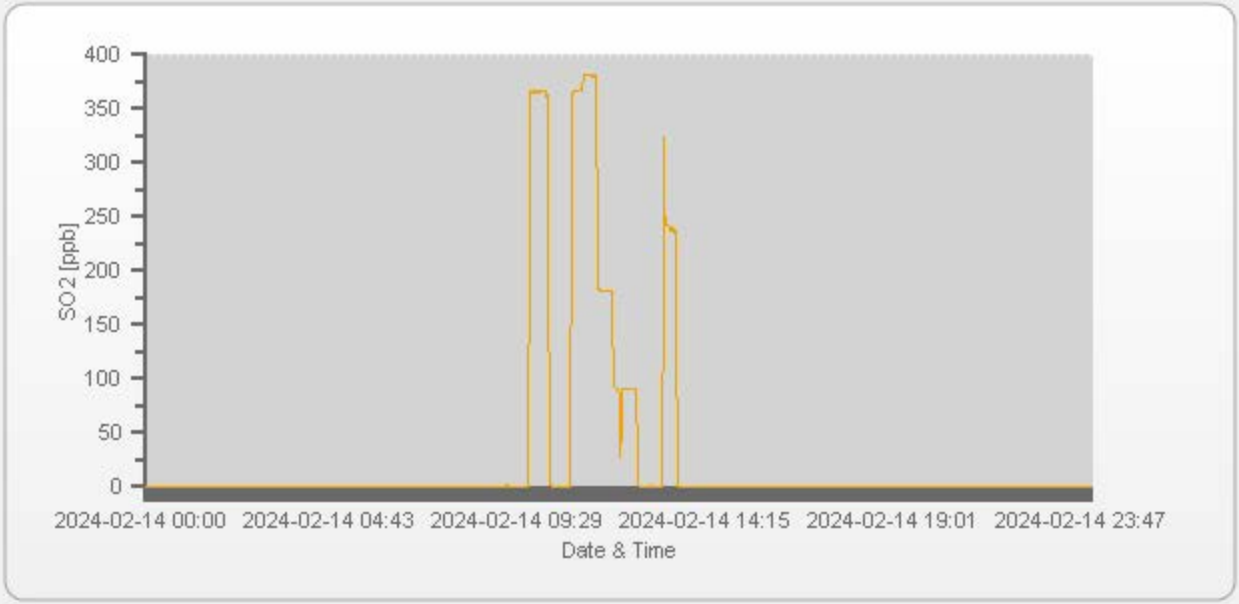
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.1%

COMMENTS:

Sample filter changed. 12:00

= Daily ZS. Low point restarted


SO2[ppb] Station: PRAMP 842-B Daily: 2024-02-14 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-02-14 00:00
2024-02-14 04:43
2024-02-14 09:29
2024-02-14 14:15
2024-02-14 19:01
2024-02-14 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	14-Feb-2024	PREVIOUS CALIBRATION DATE:	17-Jan-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	24.0
LOCATION:	842b	BAROMETRIC (mBar):	950
PURPOSE	Routine	START TIME (MST):	09:02
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:31

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	376
INITIAL		FINAL	
BKG/OFFSET	15.1	BKG/OFFSET	15
COEF/SLOPE	0.95	COEF/SLOPE	0.944
Expected (reference) Value	50.57	Expected (reference) Value	49.61

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1600	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:

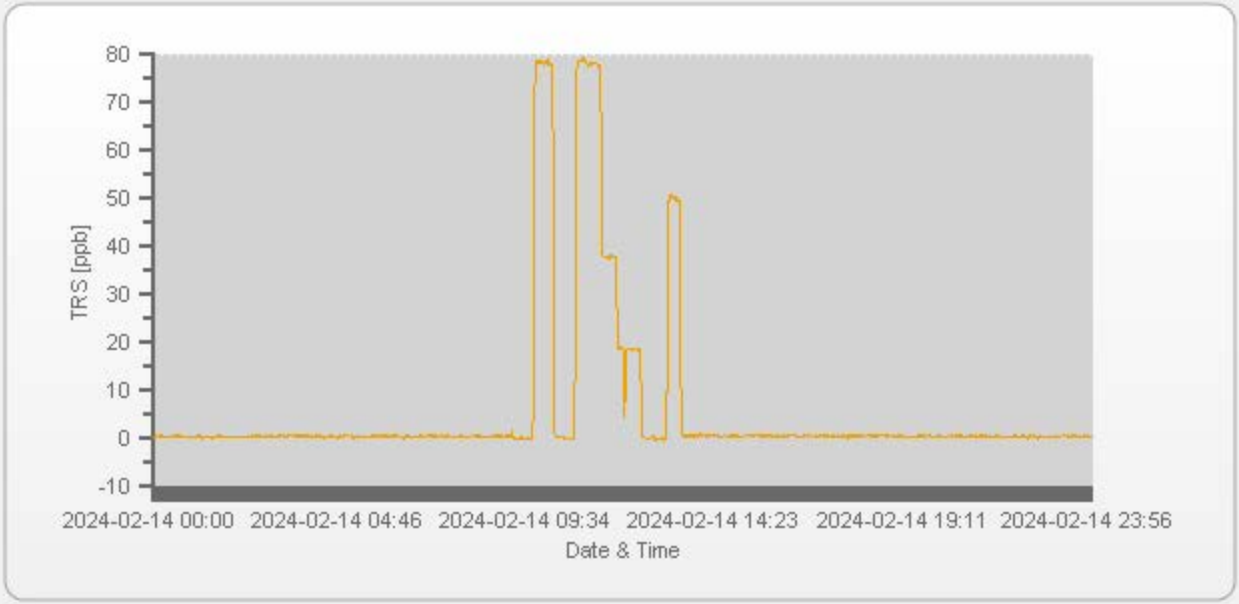
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.03	0		
3969	30.90	4000	77.95	77.93	78.2	1.000	0.997
3984	15.10	3999	38.10	n/a	37.9	n/a	1.005
3993	7.50	4000	18.92	n/a	18.57	n/a	1.019

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.005	-0.2%

COMMENTS:

TRS Converter CDNOVA CDN #583. Sample filter changed.
12:00 = Daily ZS. Low point restarted


TRS[ppb] Station: PRAMP 842-B Daily: 2024-02-14 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-02-14 00:00
2024-02-14 04:46
2024-02-14 09:34
2024-02-14 14:23
2024-02-14 19:11
2024-02-14 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	14-Feb-2024	PREVIOUS CALIBRATION DATE:	17-Jan-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	24.0
LOCATION:	842b	BAROMETRIC (mBar):	950
PURPOSE	Routine	START TIME (MST):	09:02
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:31

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1108
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.996	0.999	0.997

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:	4568	CYLINDER (psi):	1300		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Sep-2023	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
	9.53	10.64	20.18		9.66	10.87	20.53

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
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	14.68	13.57	28.26	14.57	13.45	28.02	0.992	0.990	0.991	0.999	0.999	0.999
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.18	6.69	13.87	n/a	n/a	n/a	1.016	1.006	1.011
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.57	3.34	6.91	n/a	n/a	n/a	1.022	1.008	1.015

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.002	-0.3%
NMHC	1.000	1.001	-0.1%
THC	1.000	1.002	-0.2%

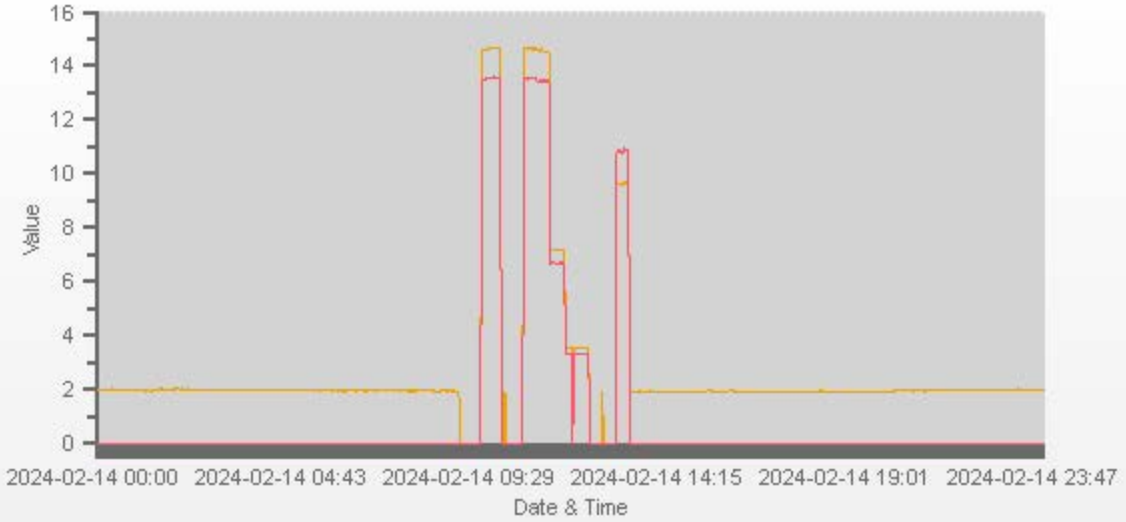
Comments:

H2 = AMA HG300 #190567058

12:00 = Daily ZS. Low point restarted

Use Zero Chrom? **No**

Station: PRAMP 842-B Daily: 2024-02-14 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	February 14, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024
Reference Temperature (°C):	-8.1
Station - Ambient Temperature (°C):	-8.6
Temperature Difference (°C):	0.5

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	February 14, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024	
Reference Pressure - Units/Reading:	millibar	951
Station Pressure - Units/Reading:	millibar	950
Pressure Tolerance +/- 15% of error:	808 - 1094	0.11%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	February 14, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	78.00	
Station Hygrometer % RH- Reading:	81.10	
RH Tolerance +/- 15% of difference:	66.30 - 89.70	-4.0%

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):	0~5	Wind Direction Observed:	W
Wind speed on Data Logger (kph):	3.9	Wind Direction on Data Logger:	W
		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

FEBRUARY 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202402-01562

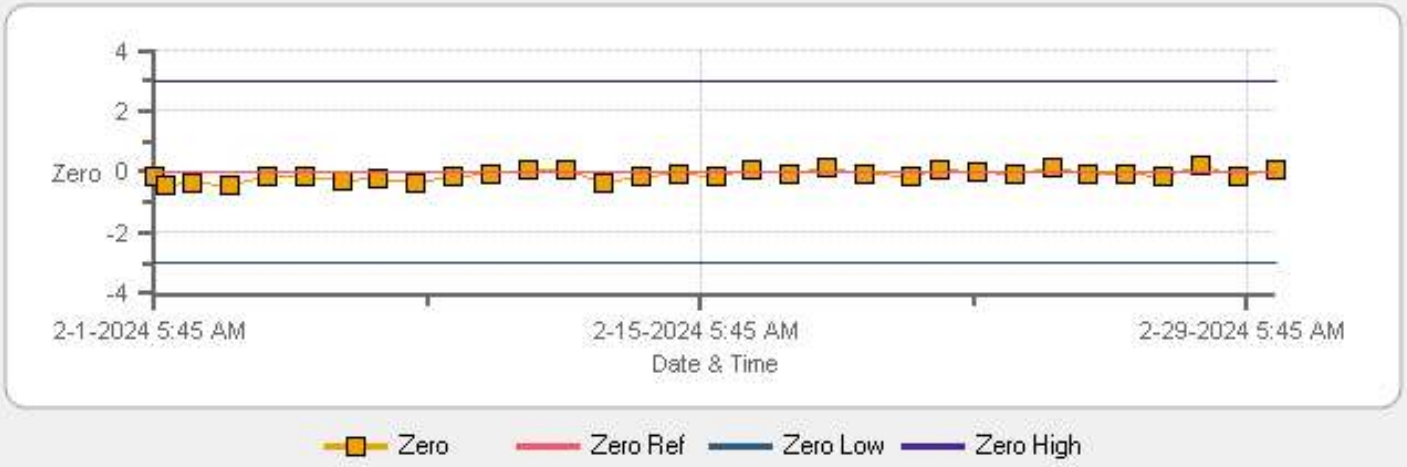
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

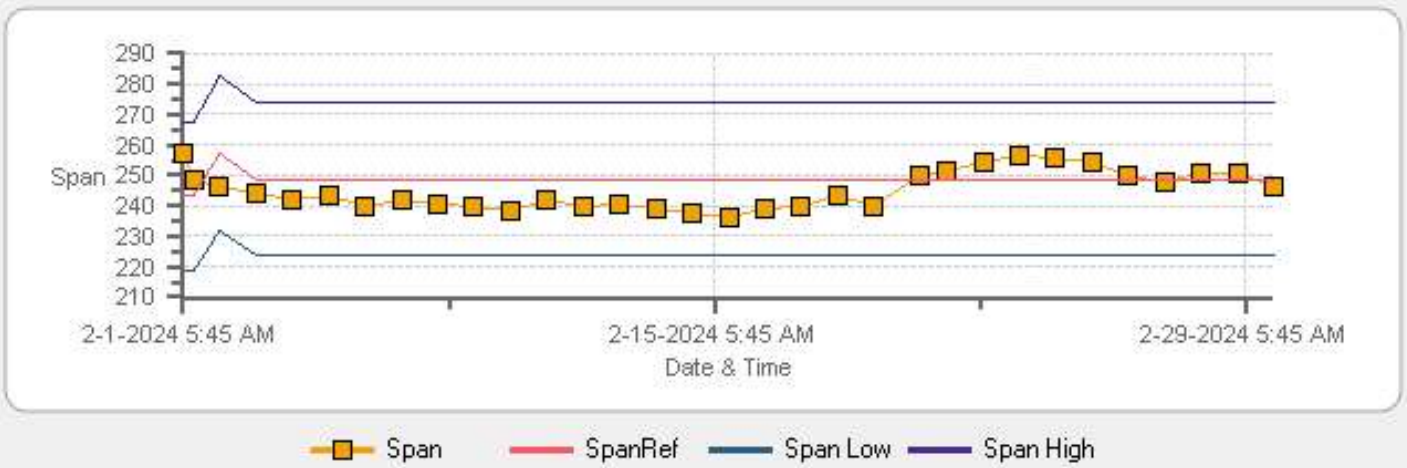
March 8, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

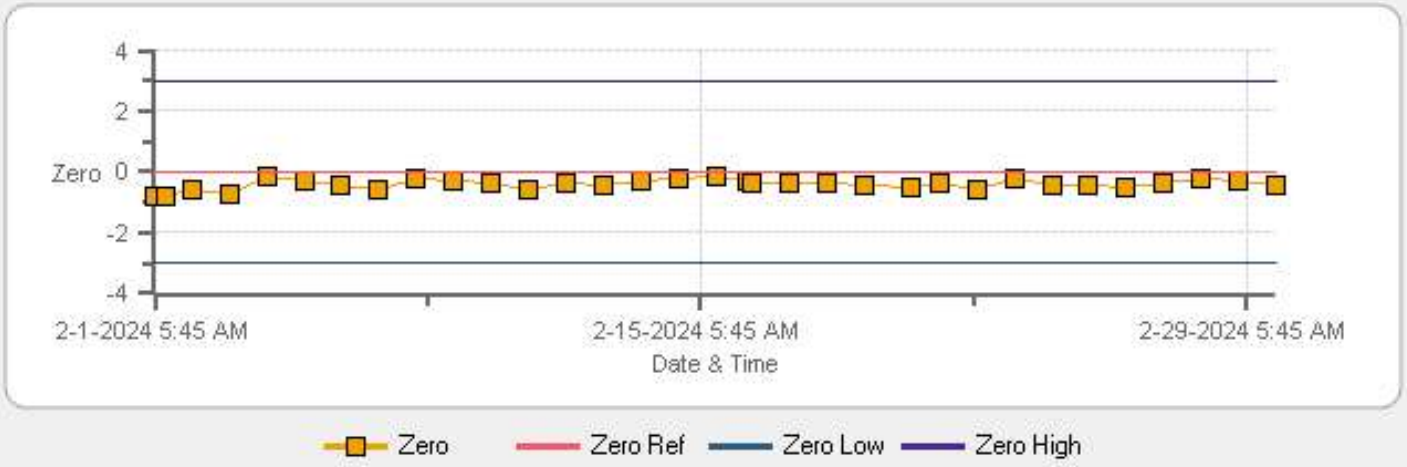
SO2[ppb] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Zero



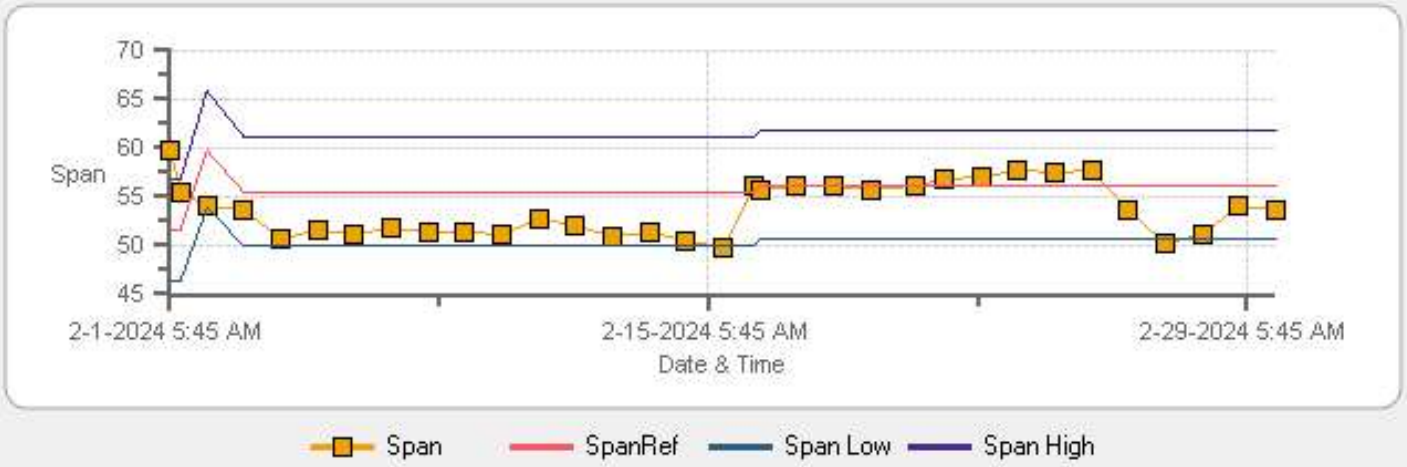
SO2[ppb] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Span

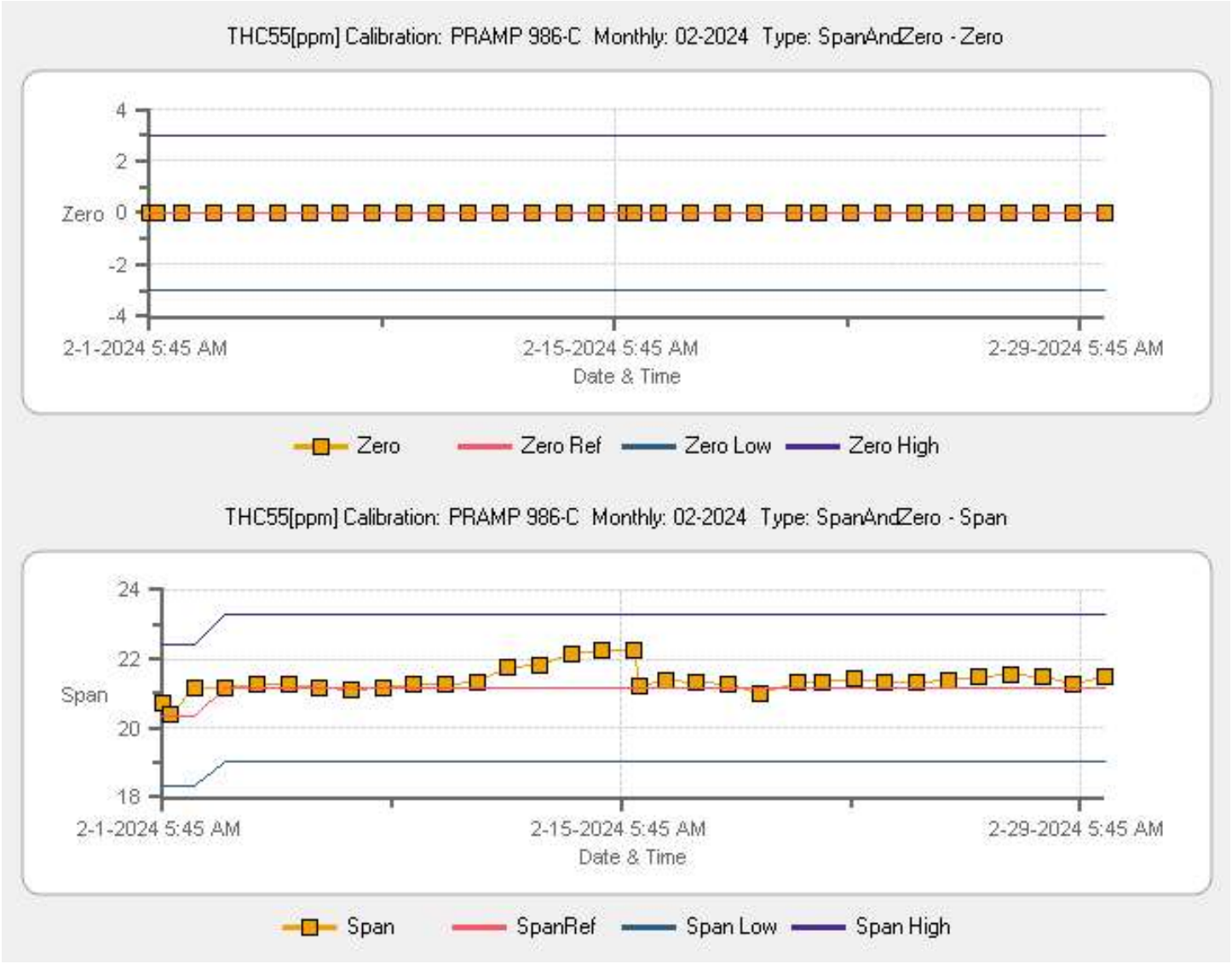


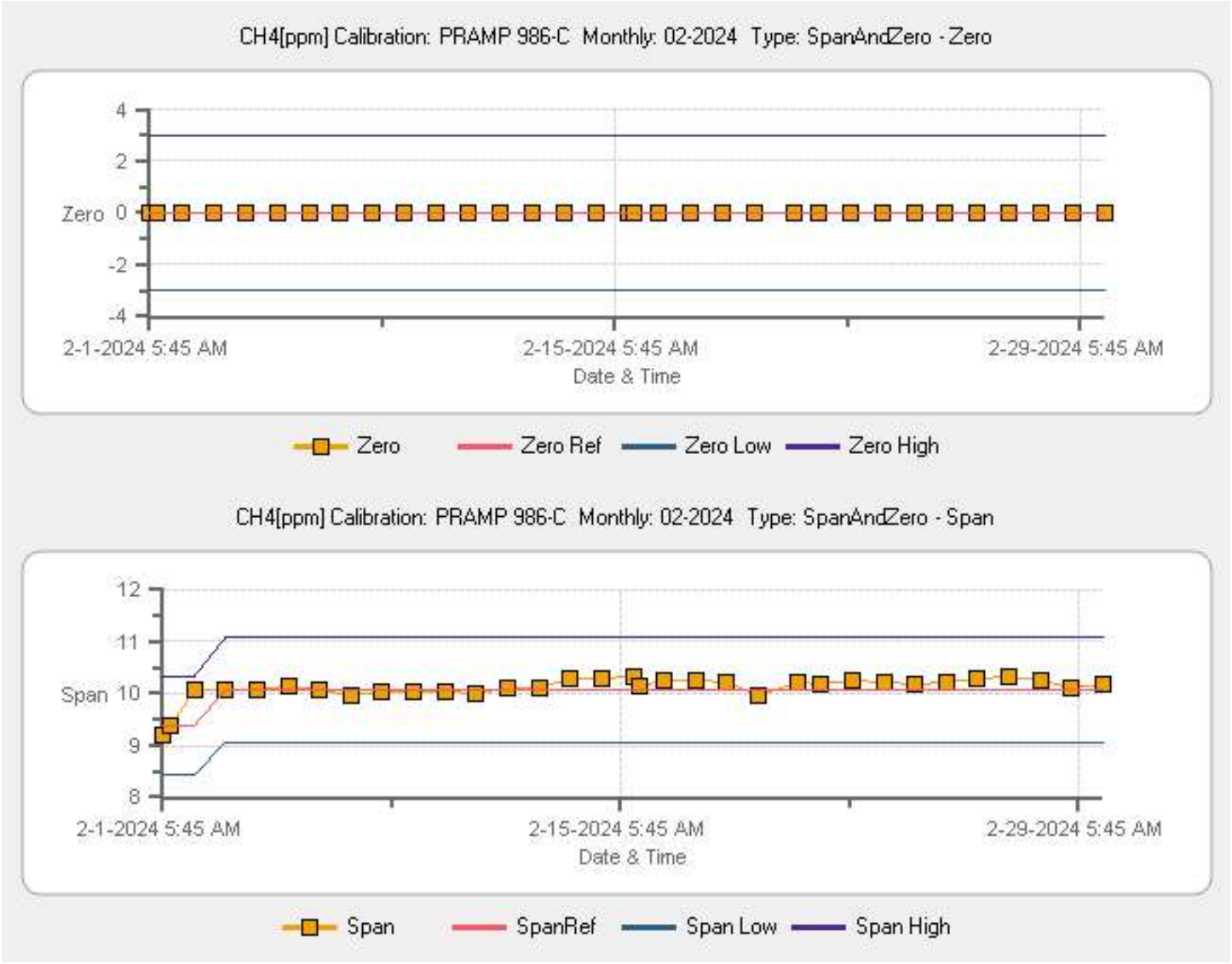
TRS[ppb] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Zero



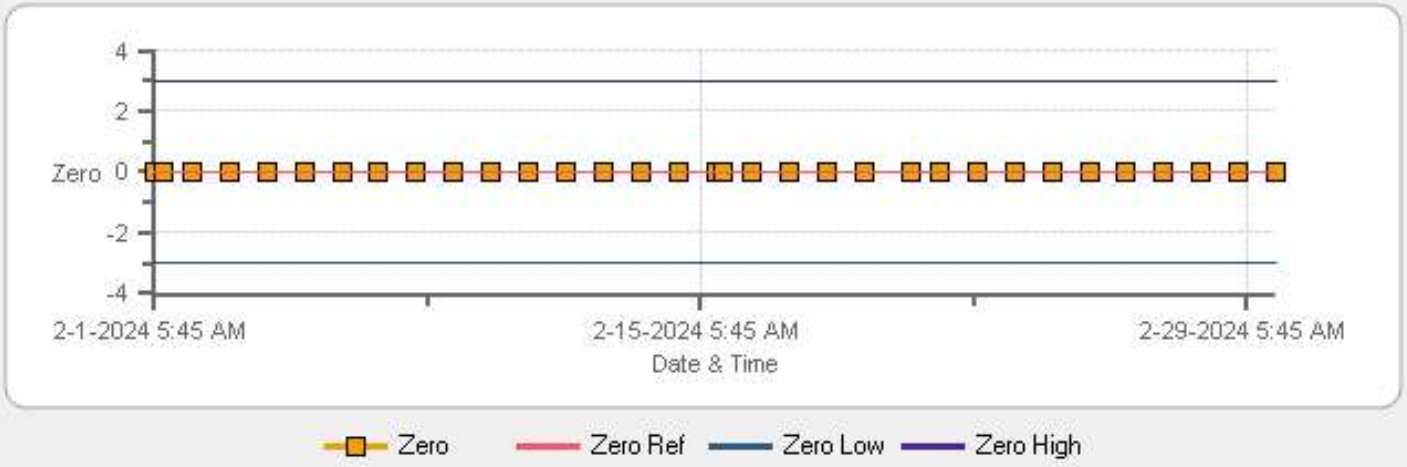
TRS[ppb] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Span



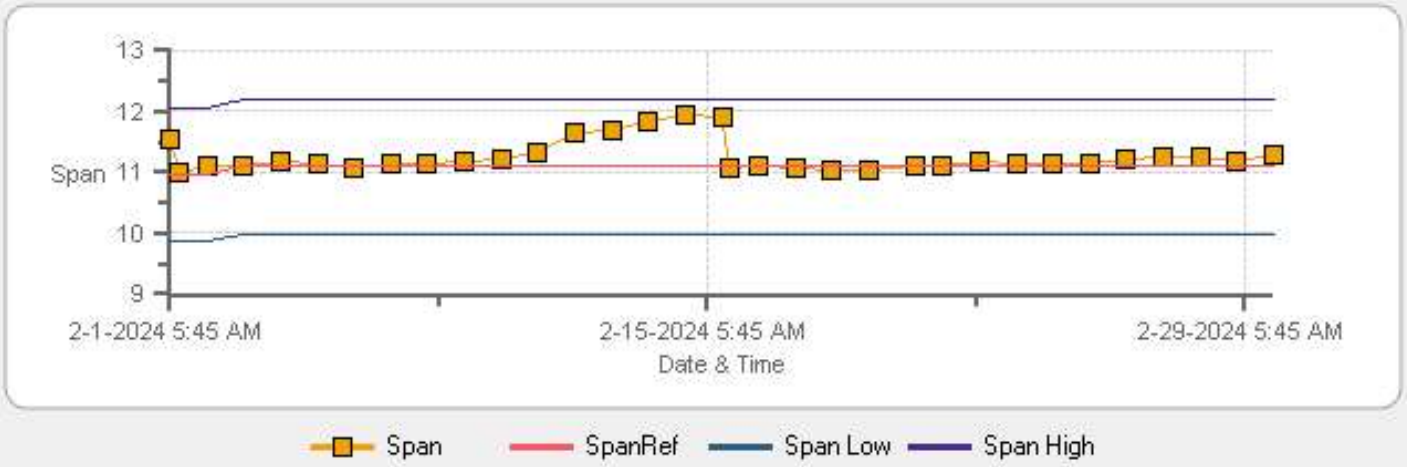

THC55[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 5:45 AM
2-15-2024 5:45 AM
2-29-2024 5:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Span
24
22
Span
20
18
2-1-2024 5:45 AM
2-15-2024 5:45 AM
2-29-2024 5:45 AM
Date & Time
Span
SpanRef
Span Low
Span High


CH4[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 5:45 AM
2-15-2024 5:45 AM
2-29-2024 5:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
CH4[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Span
12
11
Span 10
9
8
2-1-2024 5:45 AM
2-15-2024 5:45 AM
2-29-2024 5:45 AM
Date & Time
Span
SpanRef
Span Low
Span High

NMHC[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 02-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	27.5
LOCATION:	986c	BAROMETRIC (mBar):	924
PURPOSE	Routine	START TIME (MST):	08:17
PERFORMED BY:	Chris Wesson	END TIME (MST):	12:18

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	422
INITIAL		FINAL	
BKG/OFFSET	18.9	BKG/OFFSET	18.5
COEF/SLOPE	1.062	COEF/SLOPE	1.022
Expected (reference) Value	243.4	Expected (reference) Value	257.2

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020 EXP
ID:	58100720	ID:	18700921
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL107286	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	600	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:

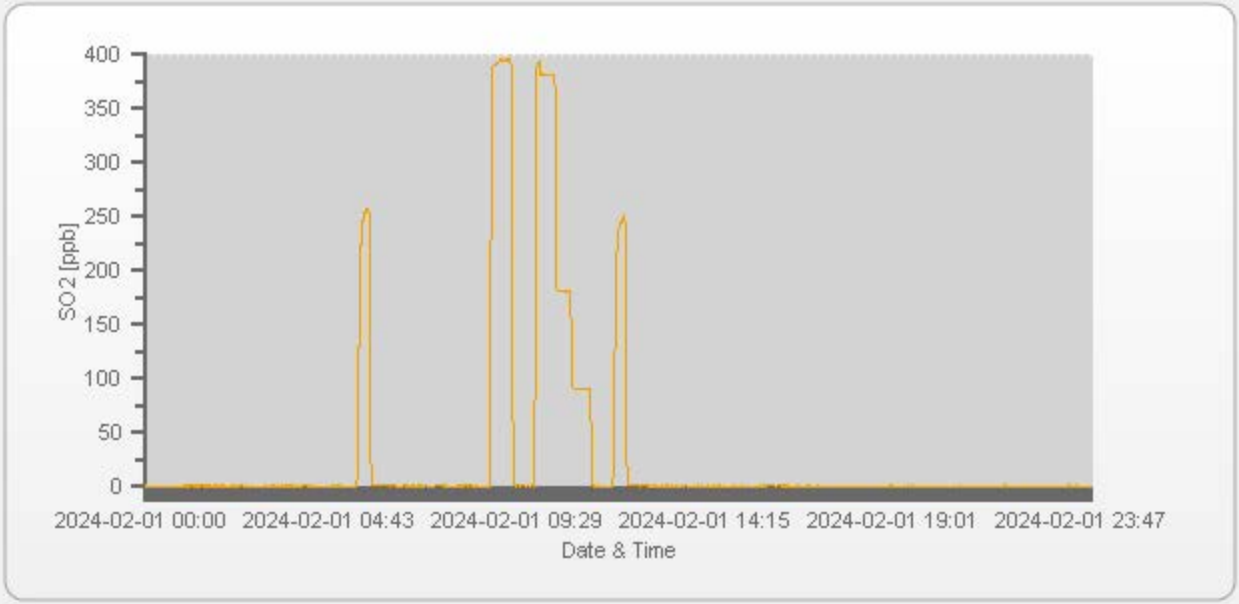
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
DILUENT	GAS	TOTAL	ACTUAL	INDICATED Initial	INDICATED Final	Initial	Final
4003		4003	0.00	-0.1	0		
3941	60.80	4002	381.33	395.4	381.6	0.964	0.999
3974	28.80	4003	180.58	n/a	181	n/a	0.998
3989	14.40	4003	90.29	n/a	90.2	n/a	1.001

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample filter changed.


SO2[ppb] Station: PRAMP 986-C Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
2024-02-01 00:00
2024-02-01 04:43
2024-02-01 09:29
2024-02-01 14:15
2024-02-01 19:01
2024-02-01 23:47
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	27.5
LOCATION:	986C	BAROMETRIC (mBar):	924
PURPOSE	Routine	START TIME (MST):	08:17
PERFORMED BY:	Chris Wesson	END TIME (MST):	12:18

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	418
INITIAL		FINAL	
BKG/OFFSET	17.9	BKG/OFFSET	16.3
COEF/SLOPE	1.01	COEF/SLOPE	0.92
Expected (reference) Value	51.6	Expected (reference) Value	55.48

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020 EXP
ID:	58100720	ID:	18700921
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002455	HIGH ID	n/a
CONC (ppm):	9.70	EXPIRY DATE	n/a
CYLINDER (psi):	1800	LOW ID	n/a
EXPIRY DATE	29-Sep-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:

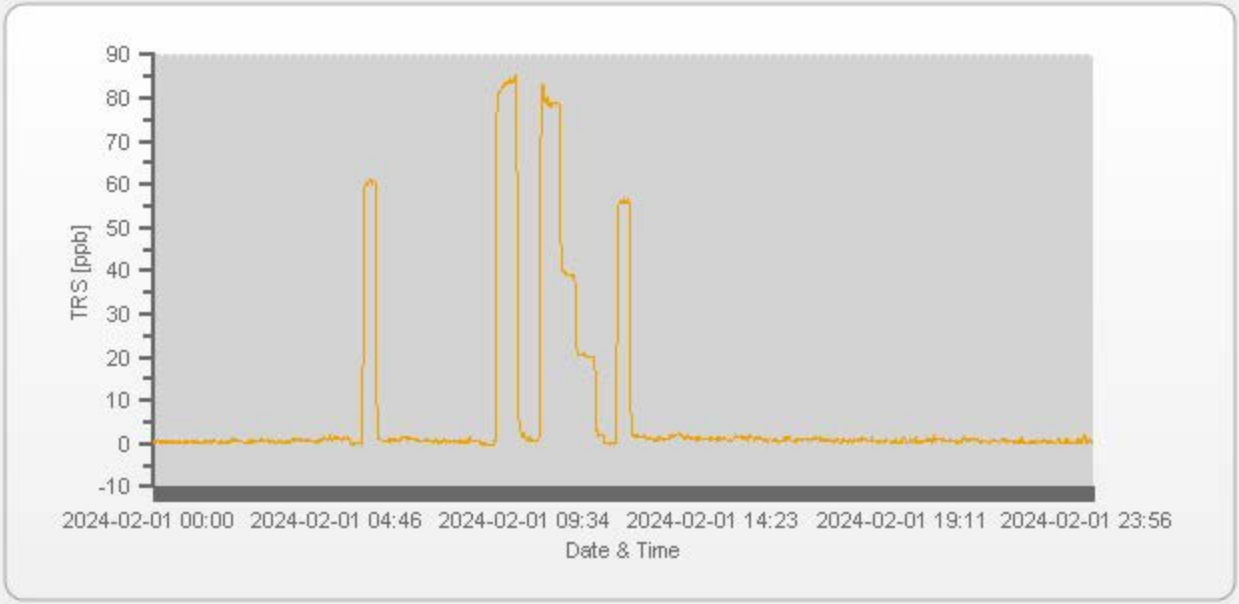
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4003		4003	0.00	-1.11	0		
3970	32.20	4002	78.05	83.77	77.98	0.919	1.001
3987	15.70	4003	38.04	n/a	38.23	n/a	0.995
3995	7.80	4003	18.90	n/a	19.37	n/a	0.976

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.997	0.2%

COMMENTS:

TRS Converter CDNOVA CDN101 #530


TRS[ppb] Station: PRAMP 986-C Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
90
80
70
60
50
40
30
20
10
0
-10
2024-02-01 00:00
2024-02-01 04:46
2024-02-01 09:34
2024-02-01 14:23
2024-02-01 19:11
2024-02-01 23:56
Date & Time
TRS [ppb]

TRS Analyzer Calibration by Dilution

DATE:	15-Feb-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	26.0
LOCATION:	986C	BAROMETRIC (mBar):	953
PURPOSE	As-Found	START TIME (MST):	15:01
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	17:03

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	427
INITIAL		FINAL	
BKG/OFFSET	16	BKG/OFFSET	n/a
COEF/SLOPE	0.92	COEF/SLOPE	n/a
Expected (reference) Value	55.48	Expected (reference) Value	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1800	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	
DILUENT	GAS	TOTAL	ACTUAL	INDICATED Initial	INDICATED Final	Initial	Final
3999		3999	0.00	-0.3	n/a		
3969	30.90	4000	77.95	67.59	n/a	**1.148**	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	n/a	**n/a**	**n/a**

COMMENTS:

TRS Converter CDNOVA CDN101 #530
Fails at as-found high. Calibration aborted.

TRS Analyzer Calibration by Dilution

DATE:	16-Feb-2024	PREVIOUS CALIBRATION DATE:	n/a
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	26.0
LOCATION:	986C	BAROMETRIC (mBar):	953
PURPOSE	Install/Post-Repair	START TIME (MST):	07:33
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	10:30

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	426
INITIAL		FINAL	
BKG/OFFSET	n/a	BKG/OFFSET	17.3
COEF/SLOPE	n/a	COEF/SLOPE	0.997
Expected (reference) Value	n/a	Expected (reference) Value	56.24

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1600	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:	07:18	SO2 Conc (ppb)	380
END TIME:	07:33	Analyzer Response (ppb)	0.4

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	n/a	0		
3969	30.90	4000	77.95	n/a	77.73	n/a	1.003
3984	15.10	3999	38.10	n/a	37.62	n/a	1.013
3993	7.50	4000	18.92	n/a	18.21	n/a	1.039

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	-0.3%

COMMENTS:

TRS Converter CDNOVA CDN101 #530
Scrubber beads replaced


TRS[ppb] Station: PRAMP 986-C Daily: 2024-02-16 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-02-16 00:00
2024-02-16 04:46
2024-02-16 09:34
2024-02-16 14:23
2024-02-16 19:11
2024-02-16 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	27.5
LOCATION:	986C	BAROMETRIC (mBar):	924
PURPOSE	Routine	START TIME (MST):	08:17
PERFORMED BY:	Chris Wesson	END TIME (MST):	11:43

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1062
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.001	1.000	1.001

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	2020 EXP	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	18700921	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	08-Sep-2023	OXIDIZER ID:	115	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
	9.38	10.97	20.36		9.38	10.97	20.36

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
3501		3501	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.23	14.09	28.33	14.53	13.46	28.00	1.023	0.953	0.988	1.002	0.998	1.000
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.29	6.81	14.10	n/a	n/a	n/a	0.998	0.986	0.992
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.67	3.51	7.18	n/a	n/a	n/a	0.991	0.957	0.974

LINEAR REGRESSION ANALYSIS:

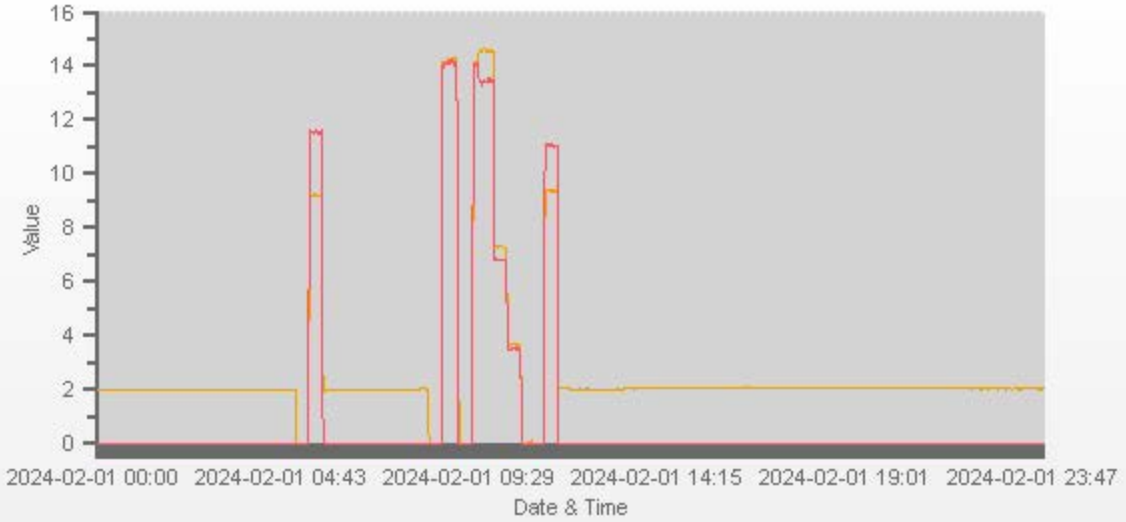
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.997	0.1%
NMHC	1.000	0.999	0.4%
THC	1.000	0.999	0.2%

Comments:

Sample filter changed
New span gas installed after post-cal ZS. Adjust EV later
BV zero air

Use Zero Chrom? **Yes**

Station: PRAMP 986-C Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	15-Feb-2024	PREVIOUS CALIBRATION DATE:	01-Feb-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	26.0
LOCATION:	986C	BAROMETRIC (mBar):	953
PURPOSE	Repeat	START TIME (MST):	15:01
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	19:09

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1211
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:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	4568	CYLINDER (psi):	1600		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Sep-2023	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
	10.08	11.10	21.18		10.15	11.08	21.22

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
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	14.77	14.54	29.31	14.60	13.45	27.95	0.986	0.924	0.955	0.997	0.999	1.002
3074	25.20	3099	7.29	6.73	14.03	n/a	n/a	n/a	7.27	6.71	13.98	n/a	n/a	n/a	1.003	1.003	1.003
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.66	3.41	7.07	n/a	n/a	n/a	0.997	0.987	0.992

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.002	0.0%
NMHC	1.000	1.000	0.1%
THC	1.000	0.998	0.1%

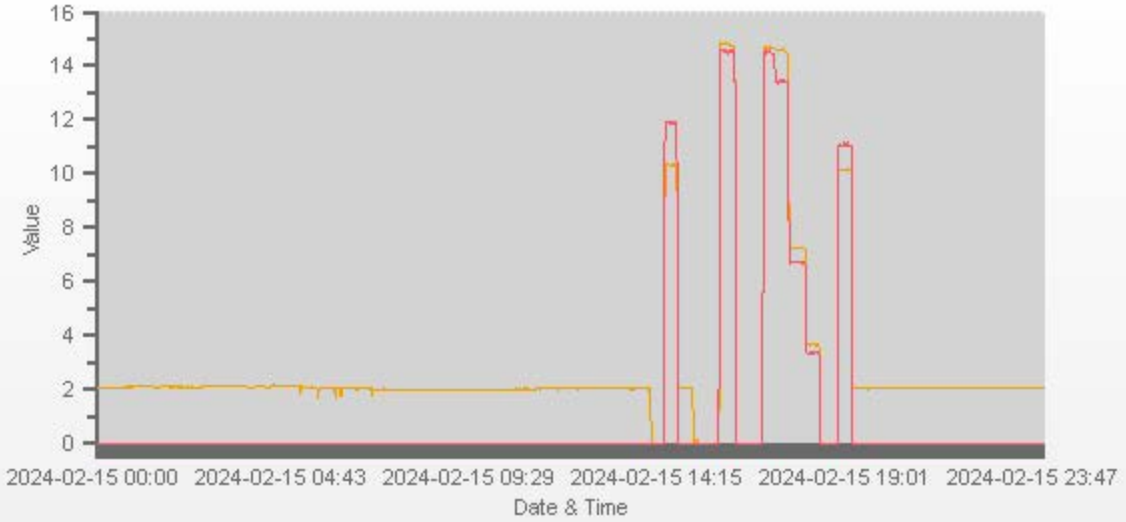
Comments:

H2 = AMA HG300 #191267063

PRAMP analyzer

Use Zero Chrom? **No**

Station: PRAMP 986-C Daily: 2024-02-15 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 1, 2024		
Technician:	Chris Wesson		
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
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	January 11, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Temperature (°C):	4.8		
Station - Ambient Temperature (°C):	4.6		
Temperature Difference (°C):	0.2		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 11, 2024		
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024		
Reference Pressure - Units/Reading:	millibar	925.5	
Station Pressure - Units/Reading:	millibar	925.2	
Pressure Tolerance +/- 15% of error:	787 - 1064	0.03%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 11, 2024		
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Hygrometer % RH- Reading:	70.50		
Station Hygrometer % RH- Reading:	76.50		
RH Tolerance +/- 15% of difference:	59.93 - 81.08	-8.5%	

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	January 11, 2024	Previous check date:	January 11, 2024
Wind Speed Observed (kph):	0~5	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	3.5	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:	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

FEBRUARY 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202402-01563

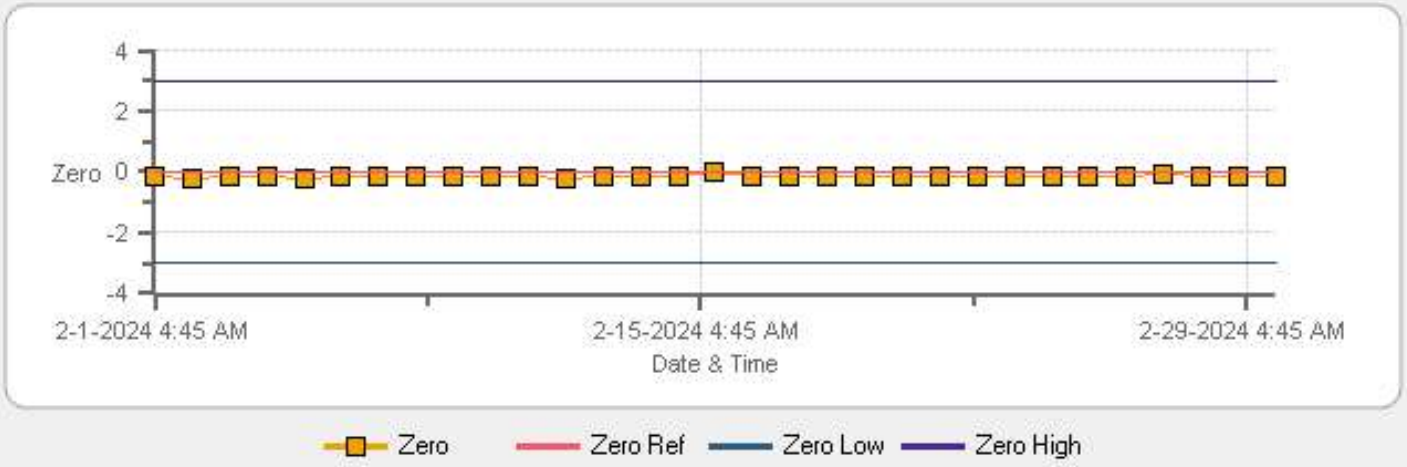
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

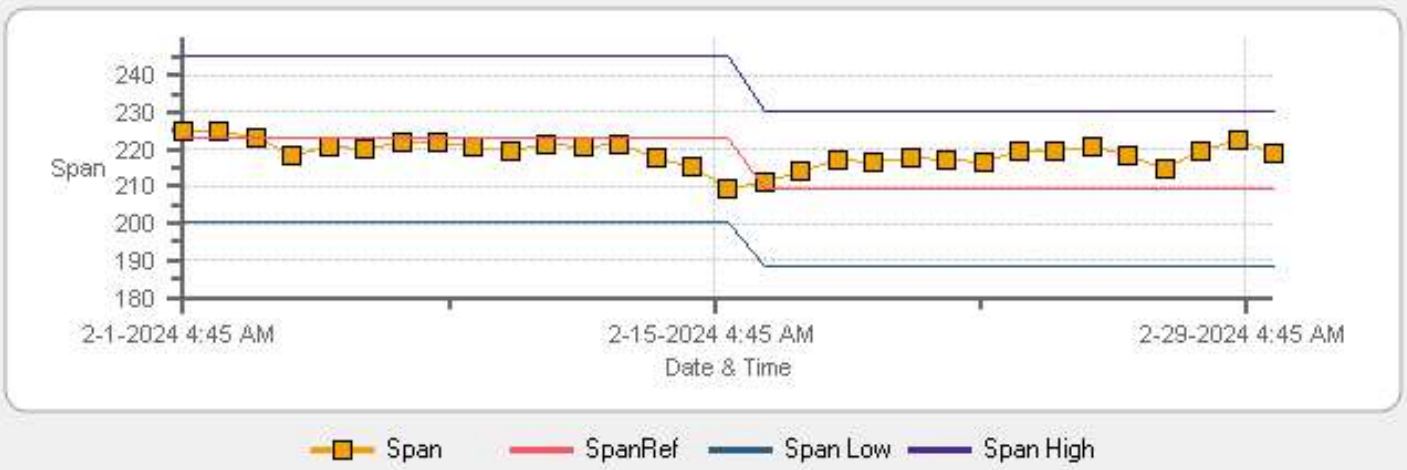
March 8, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

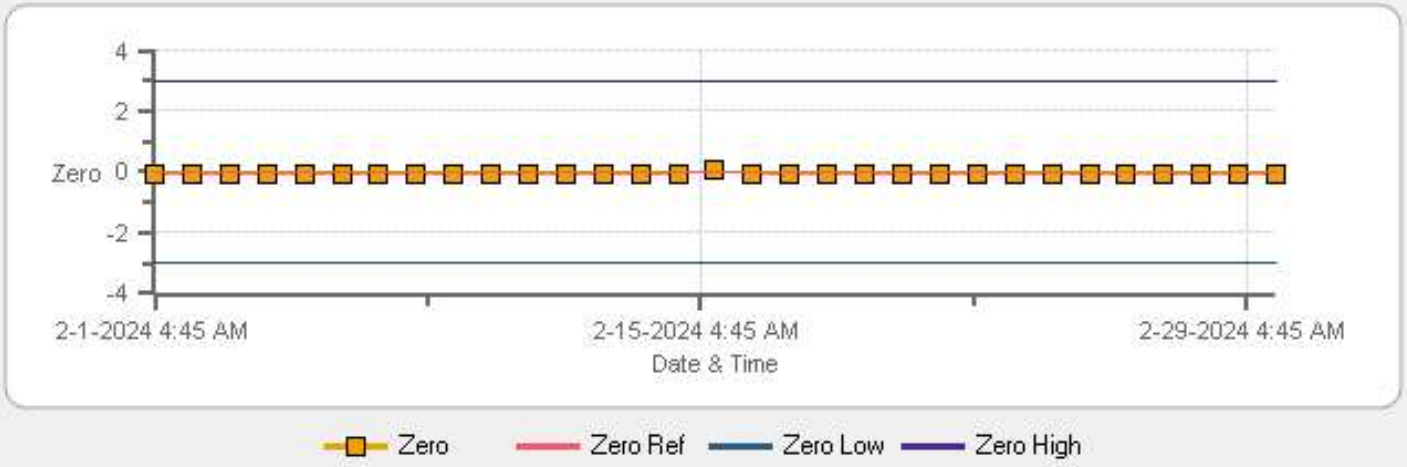
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Zero



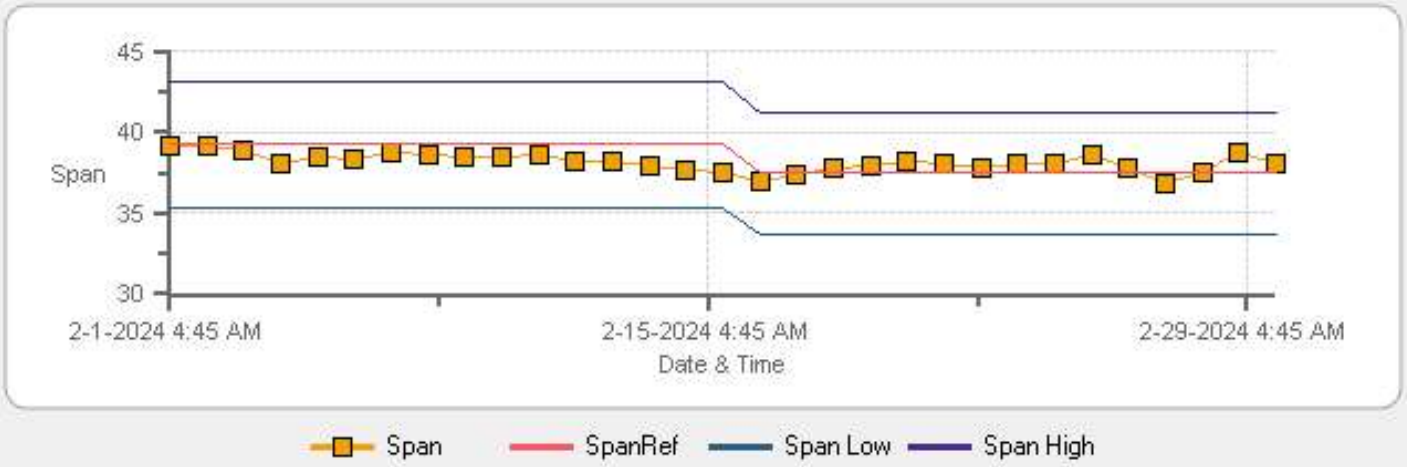
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Span

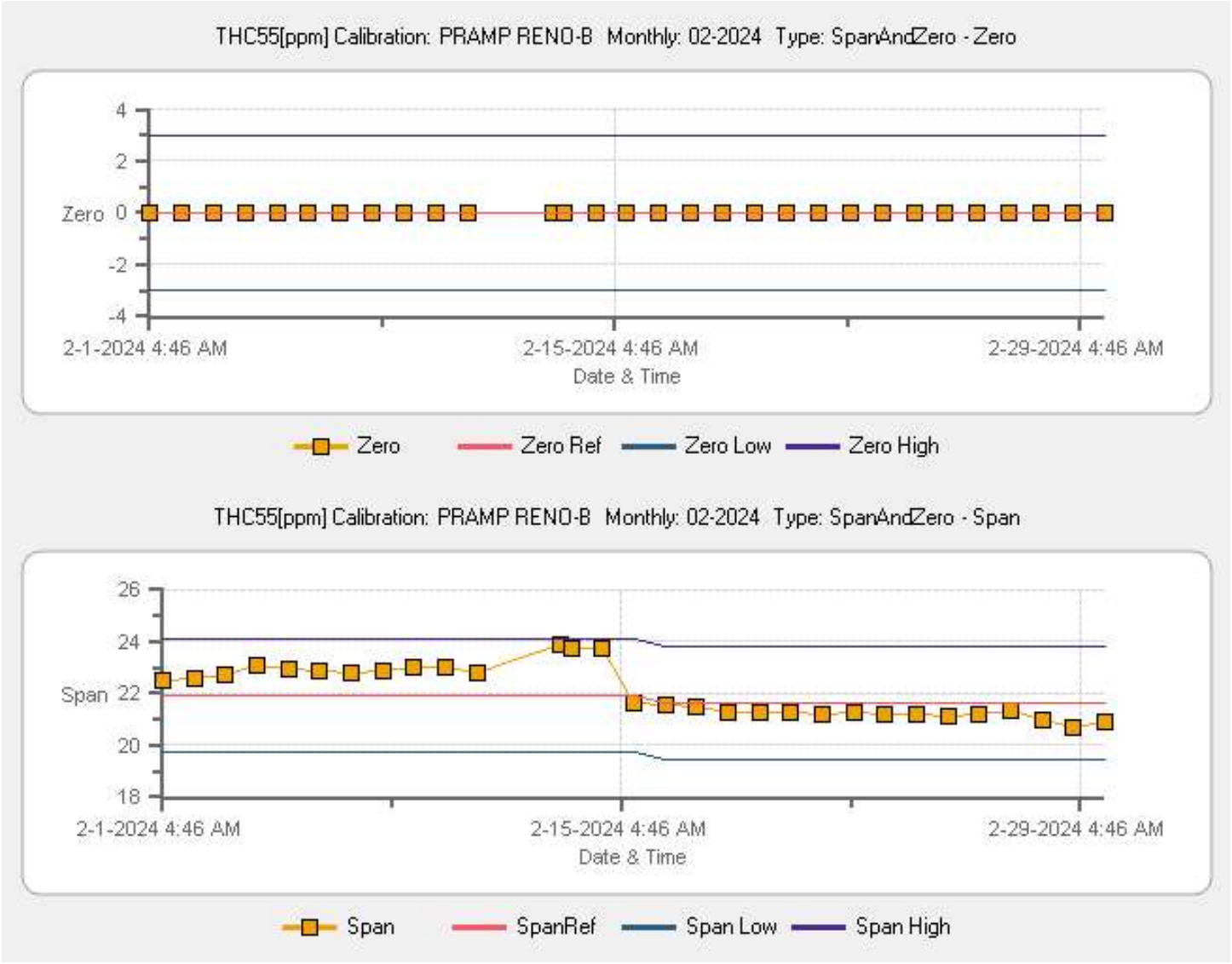


TRS[ppb] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Zero

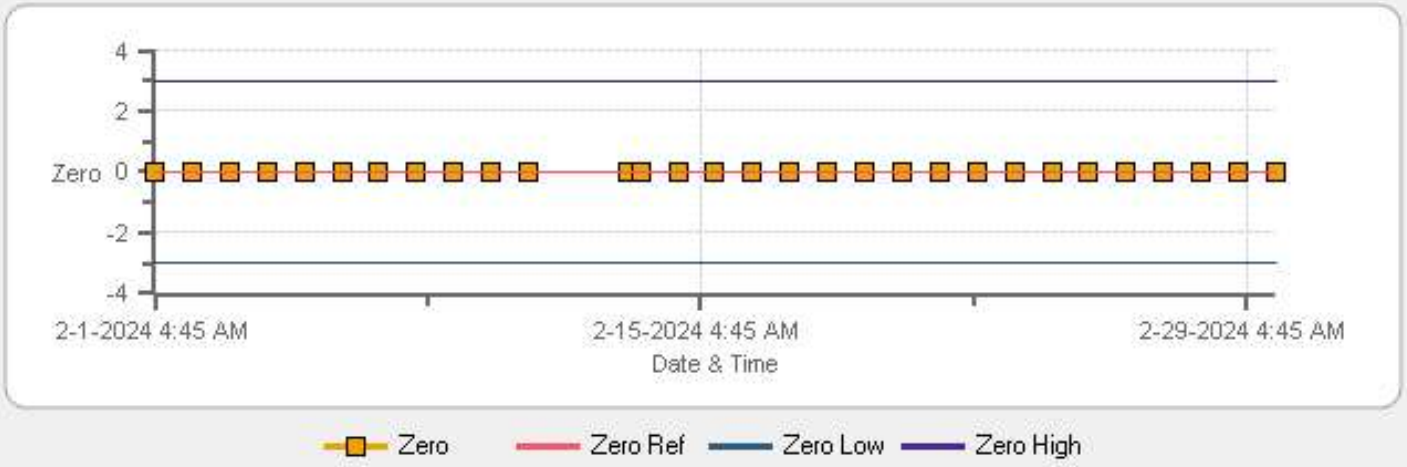


TRS[ppb] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Span

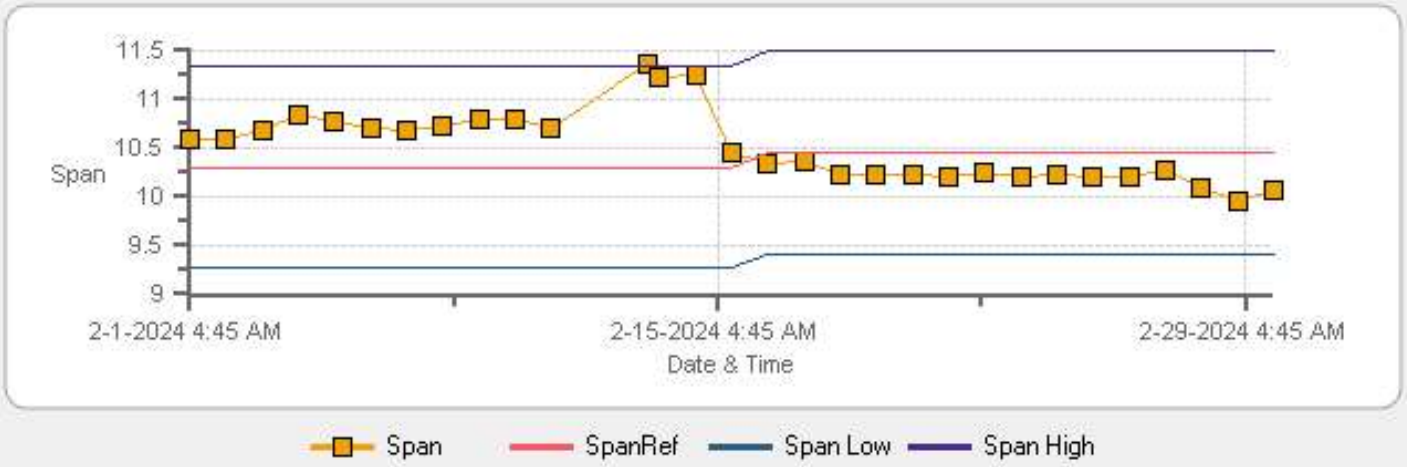



THC55[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Span
26
24
Span 22
20
18
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

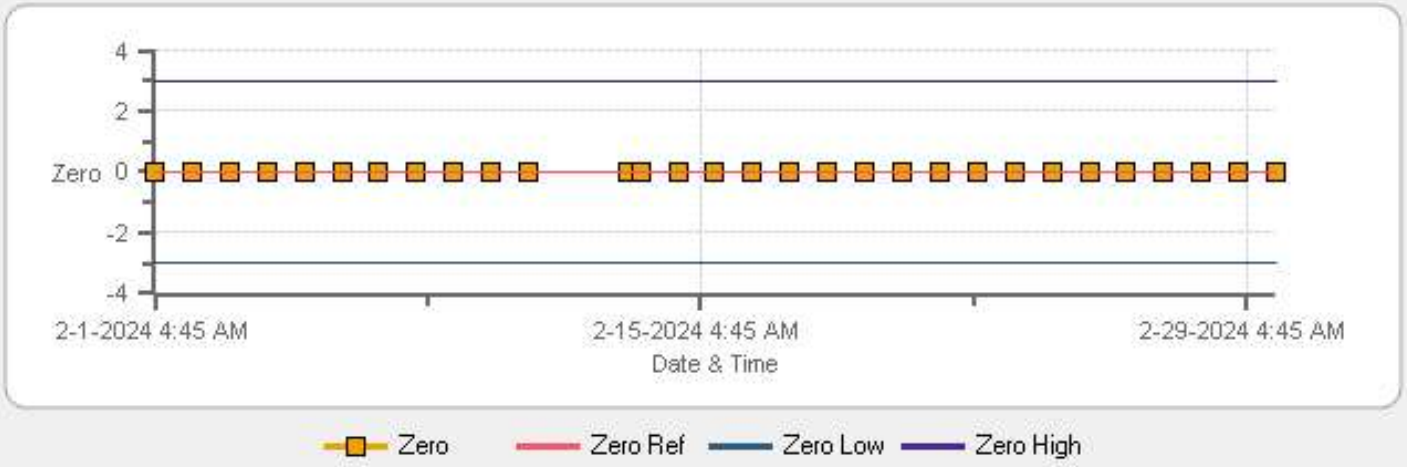
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Zero



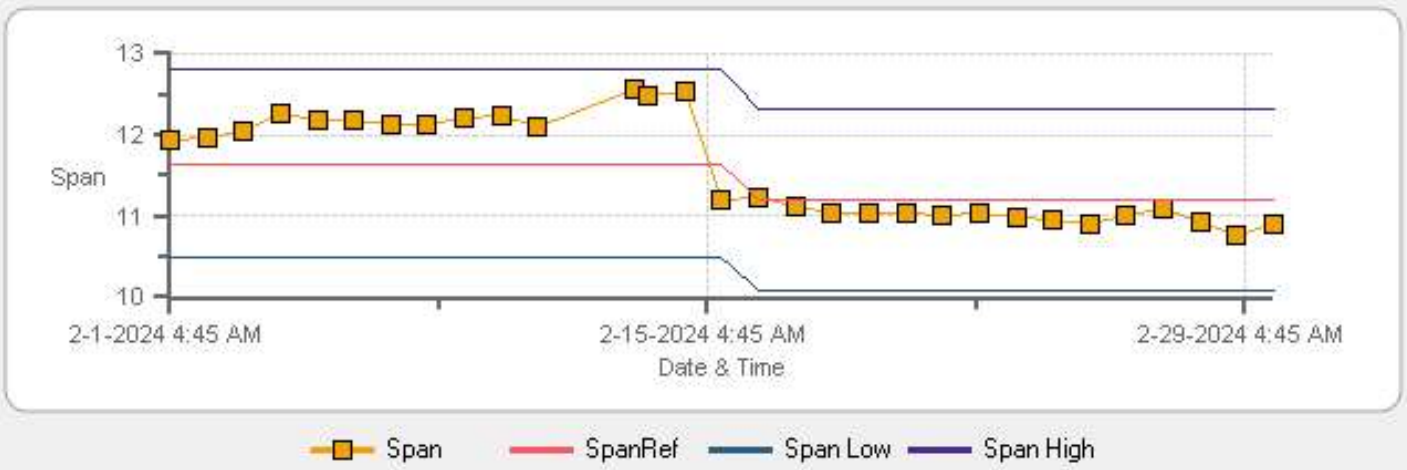
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 02-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	15-Feb-2024	PREVIOUS CALIBRATION DATE:	09-Jan-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	Reno-B	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:23

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	442
INITIAL		FINAL	
BKG/OFFSET	1.39	BKG/OFFSET	1.33
COEF/SLOPE	0.952	COEF/SLOPE	0.933
Expected (reference) Value	222.8	Expected (reference) Value	209.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1400	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	385.9	379.2	0.984	1.002
3971	28.80	4000	180.00	n/a	180.6	n/a	0.997
3986	14.40	4000	90.00	n/a	90	n/a	1.000

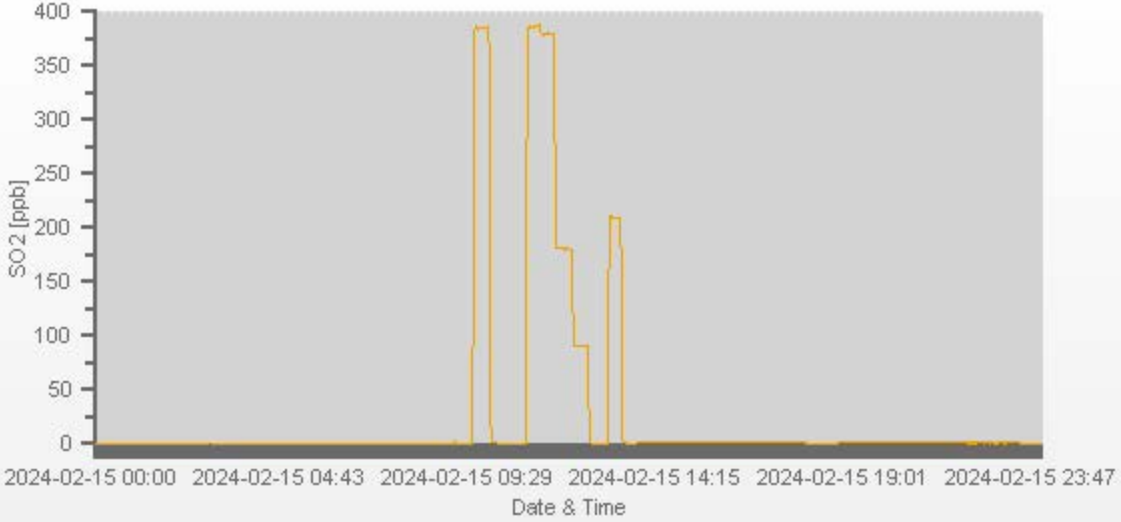
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

Sample filter changed

SO2[ppb] Station: PRAMP RENO-B Daily: 2024-02-15 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	15-Feb-2024	PREVIOUS CALIBRATION DATE:	09-Jan-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	Reno-B	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:23

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	400
INITIAL		FINAL	
BKG/OFFSET	1.15	BKG/OFFSET	1.11
COEF/SLOPE	0.941	COEF/SLOPE	0.927
Expected (reference) Value	39.22	Expected (reference) Value	37.48

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1600	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:

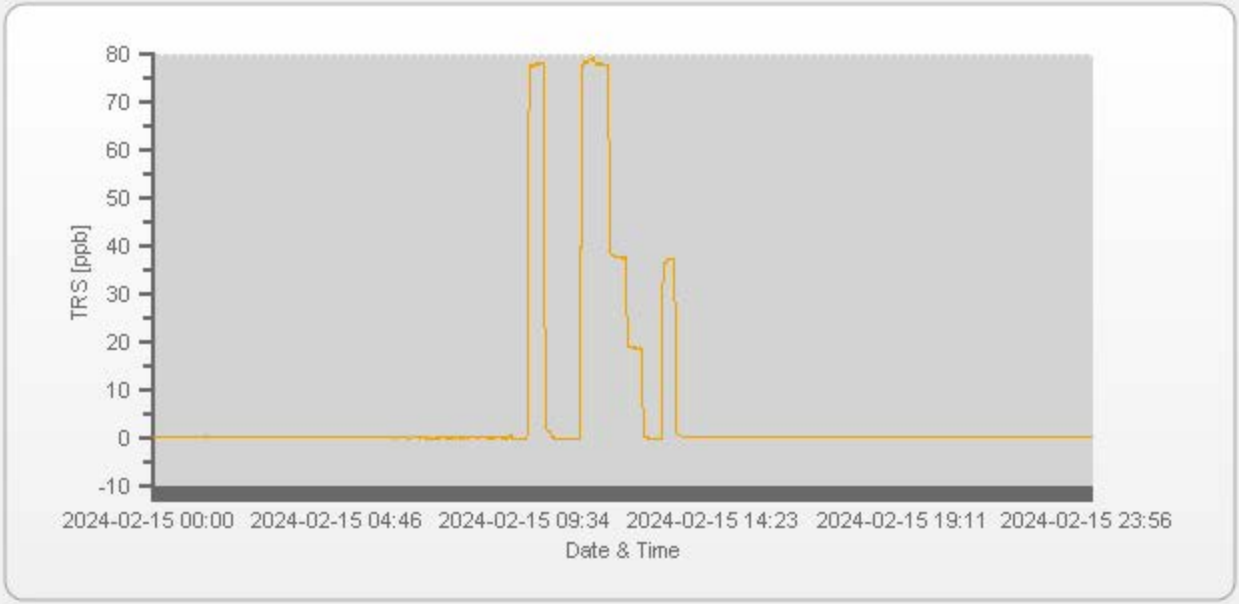
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.1	0		
3969	30.90	4000	77.95	78.24	78.01	0.998	0.999
3985	15.10	4000	38.09	n/a	37.82	n/a	1.007
3993	7.50	4000	18.92	n/a	18.92	n/a	1.000

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: 2024-02-15 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [ppb]
2024-02-15 00:00
2024-02-15 04:46
2024-02-15 09:34
2024-02-15 14:23
2024-02-15 19:11
2024-02-15 23:56
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	15-Feb-2024	PREVIOUS CALIBRATION DATE:	09-Jan-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	Reno-B	BAROMETRIC (mBar):	953
PURPOSE	Routine	START TIME (MST):	09:03
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:23

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1121
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.996	0.994	0.995

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	5004	CYLINDER (psi):	1600		LOW ID:	n/a
MFC CALIBRATION DATE:	08-Sep-2023	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
	10.30	11.65	21.95		10.45	11.20	21.64

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
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	15.84	15.11	30.95	14.58	13.46	28.04	0.919	**0.889**	0.905	0.999	0.998	0.998
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.28	6.76	14.04	n/a	n/a	n/a	1.002	0.995	0.999
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.65	3.42	7.08	n/a	n/a	n/a	1.000	0.984	0.991

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.0%
NMHC	1.000	1.001	0.1%
THC	1.000	1.001	0.1%

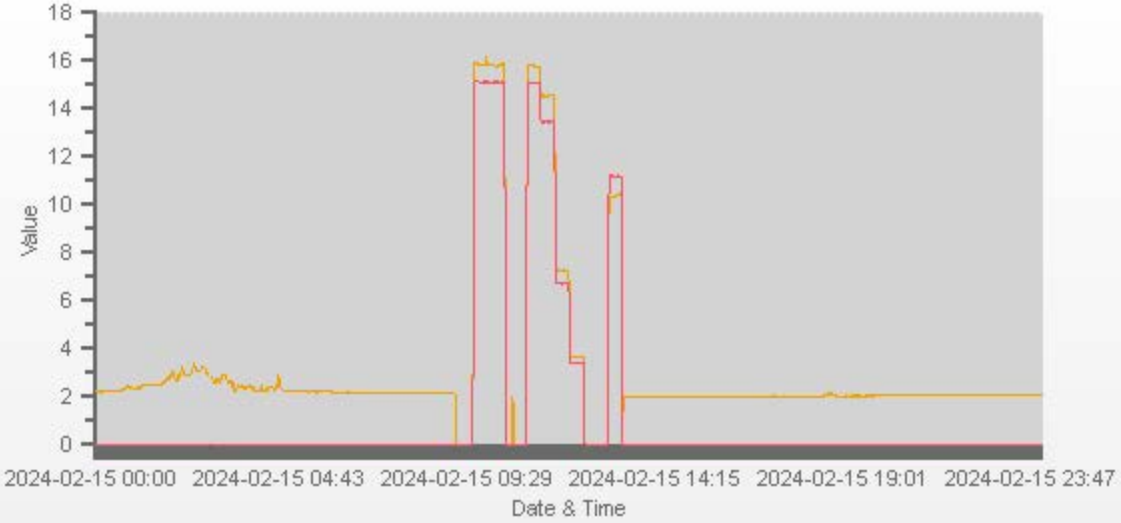
Comments:

H2 = AMA HG300 #210467069

Sample filter Changed

Use Zero Chrom? **No**

Station: PRAMP RENO-B Daily: 2024-02-15 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 15, 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
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	January 9, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS 181341226 expires July 17, 2024		
Reference Temperature (°C):	-12.1		
Station - Ambient Temperature (°C):	-11.8		
Temperature Difference (°C):	-0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 9, 2024		
Reference Barometer ID:	Equipment ID - 05535 Brunton Expiry - July 17 2024		
Reference Pressure - Units/Reading:	millibar	952.1	
Station Pressure - Units/Reading:	millibar	952.5	
Pressure Tolerance +/- 15% of error:	809 - 1095	-0.04%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 9, 2024		
Reference Hygrometer ID:	FS 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	82.10		
Station Hygrometer % RH- Reading:	80.90		
RH Tolerance +/- 15% of difference:	69.79 - 94.42	1.5%	

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	S
Wind speed on Data Logger (kph):	8.9	Wind Direction on Data Logger:	S
		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

FEBRUARY 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202402-01689

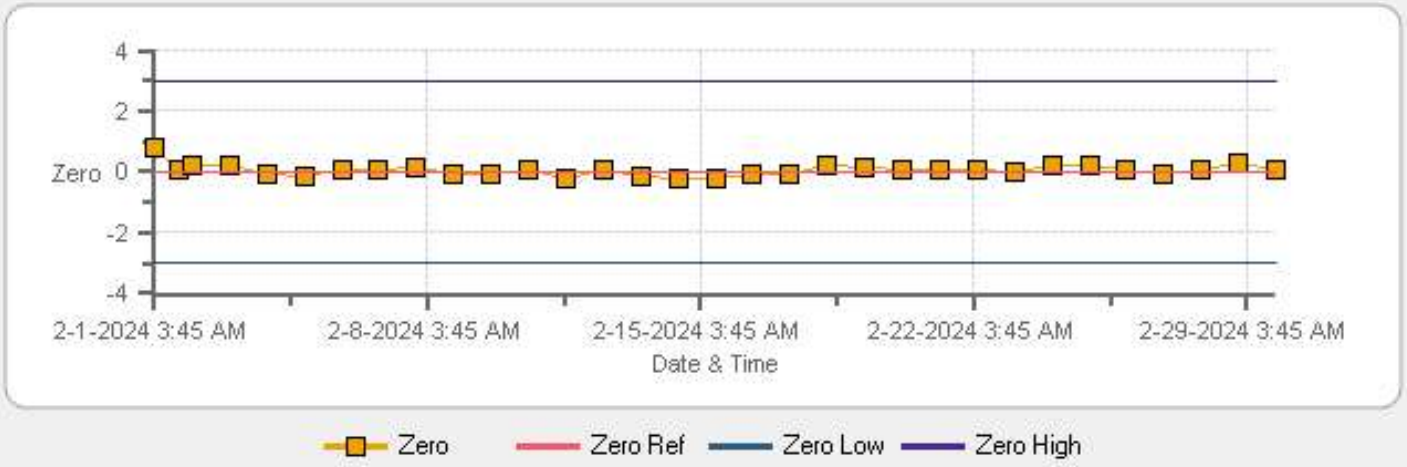
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

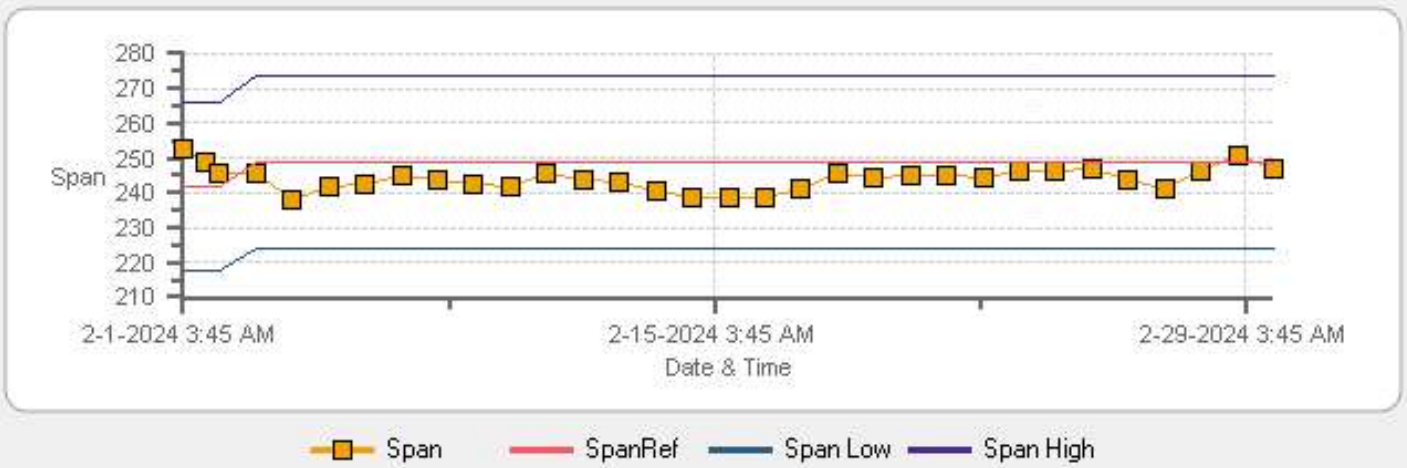
March 8, 2024

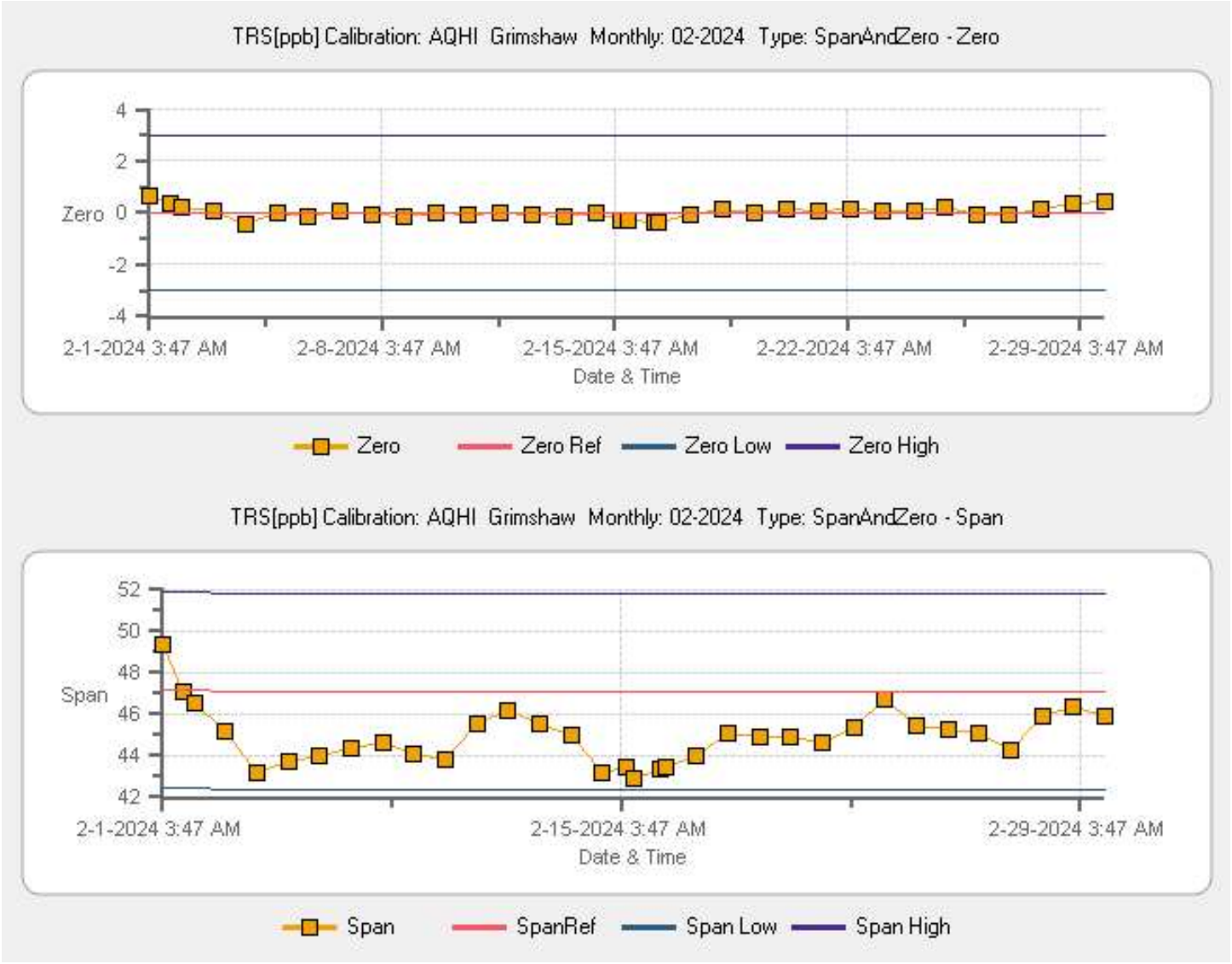
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero

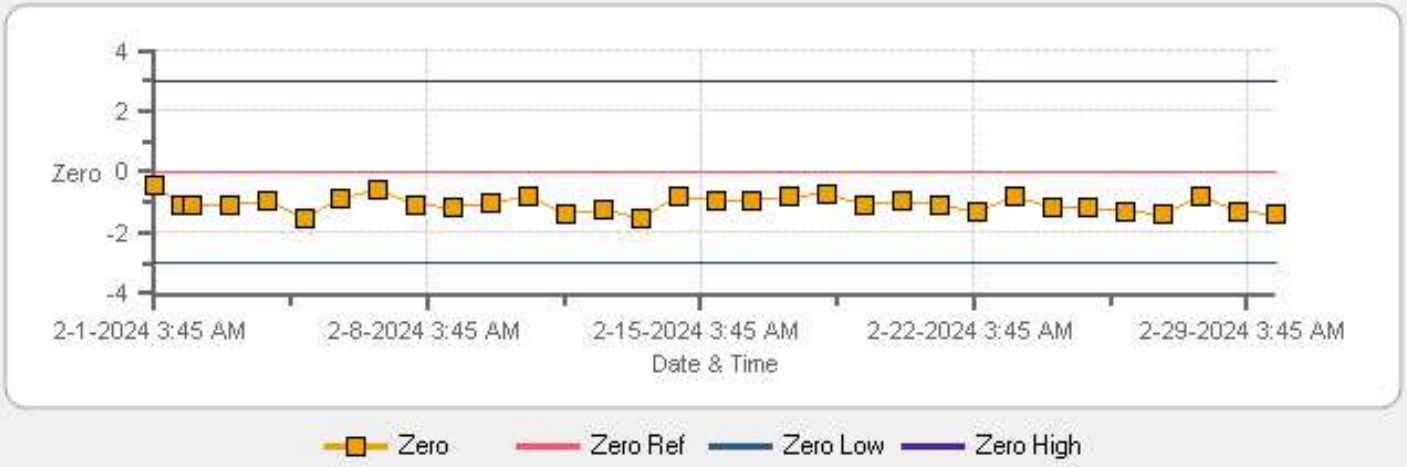


SO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span

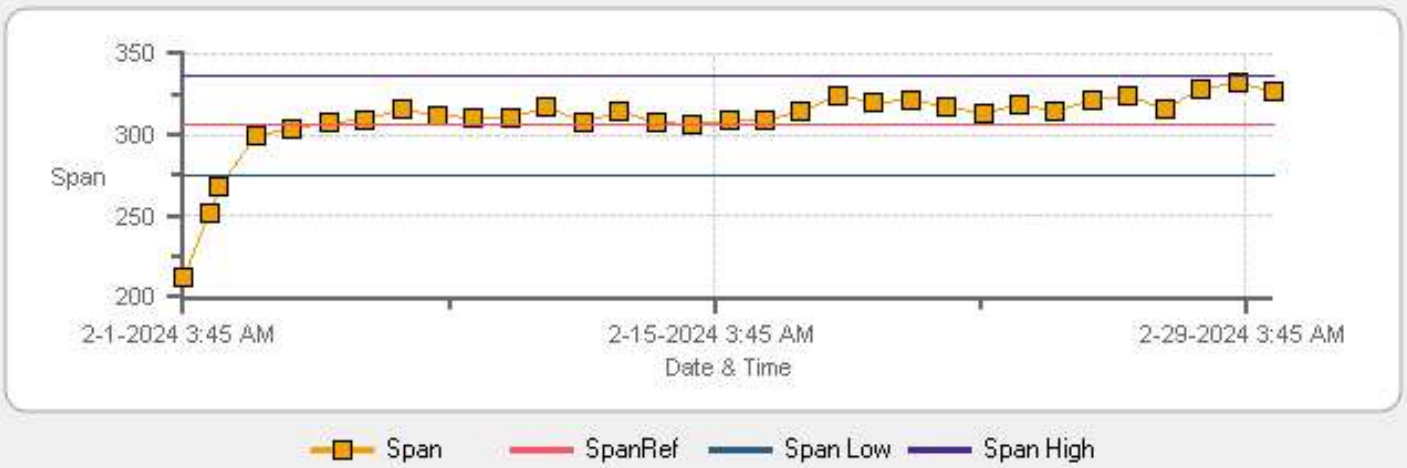


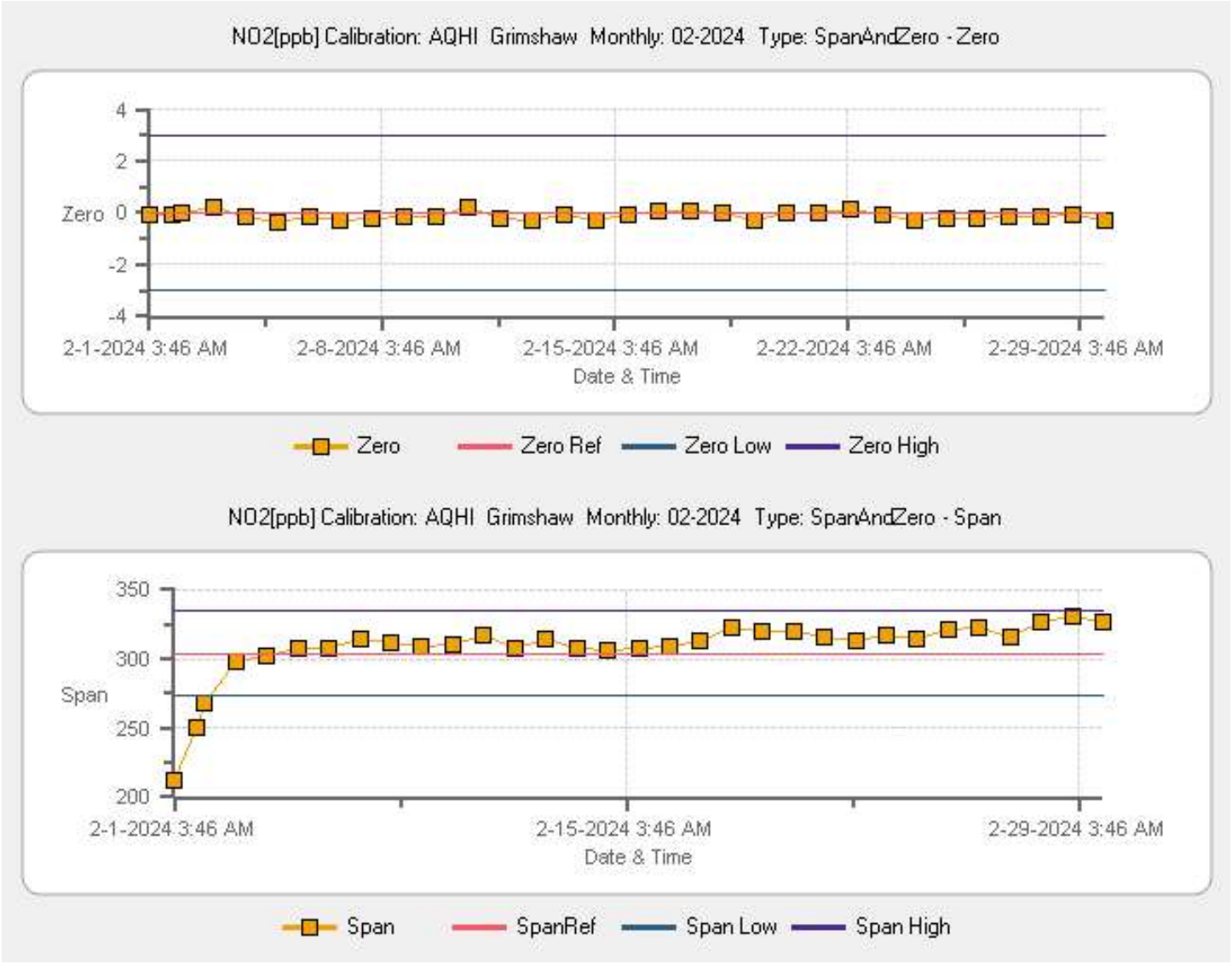

TRS[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 3:47 AM
2-8-2024 3:47 AM
2-15-2024 3:47 AM
2-22-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span
52
50
48
Span
46
44
42
2-1-2024 3:47 AM
2-15-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Span
SpanRef
Span Low
Span High

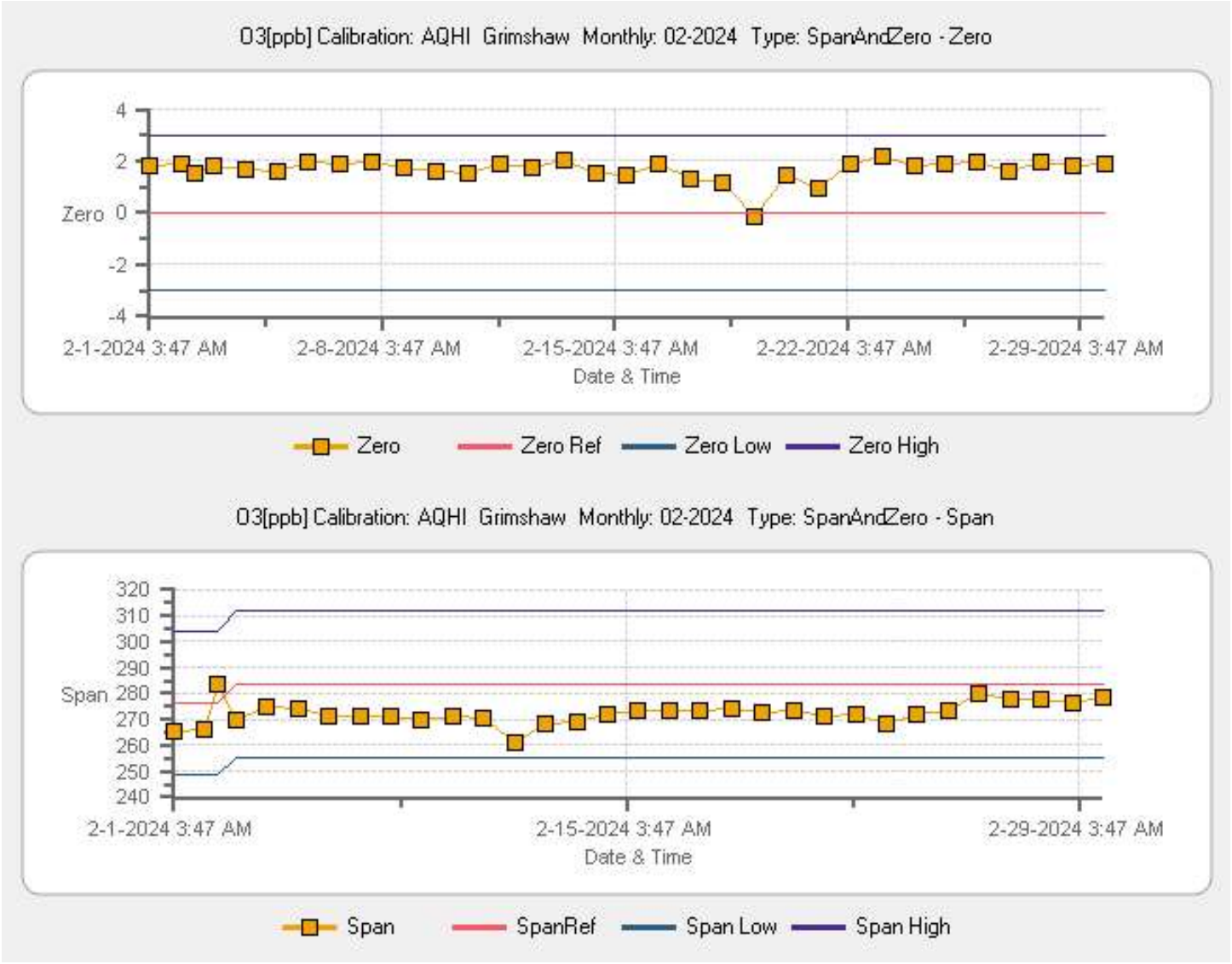
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero

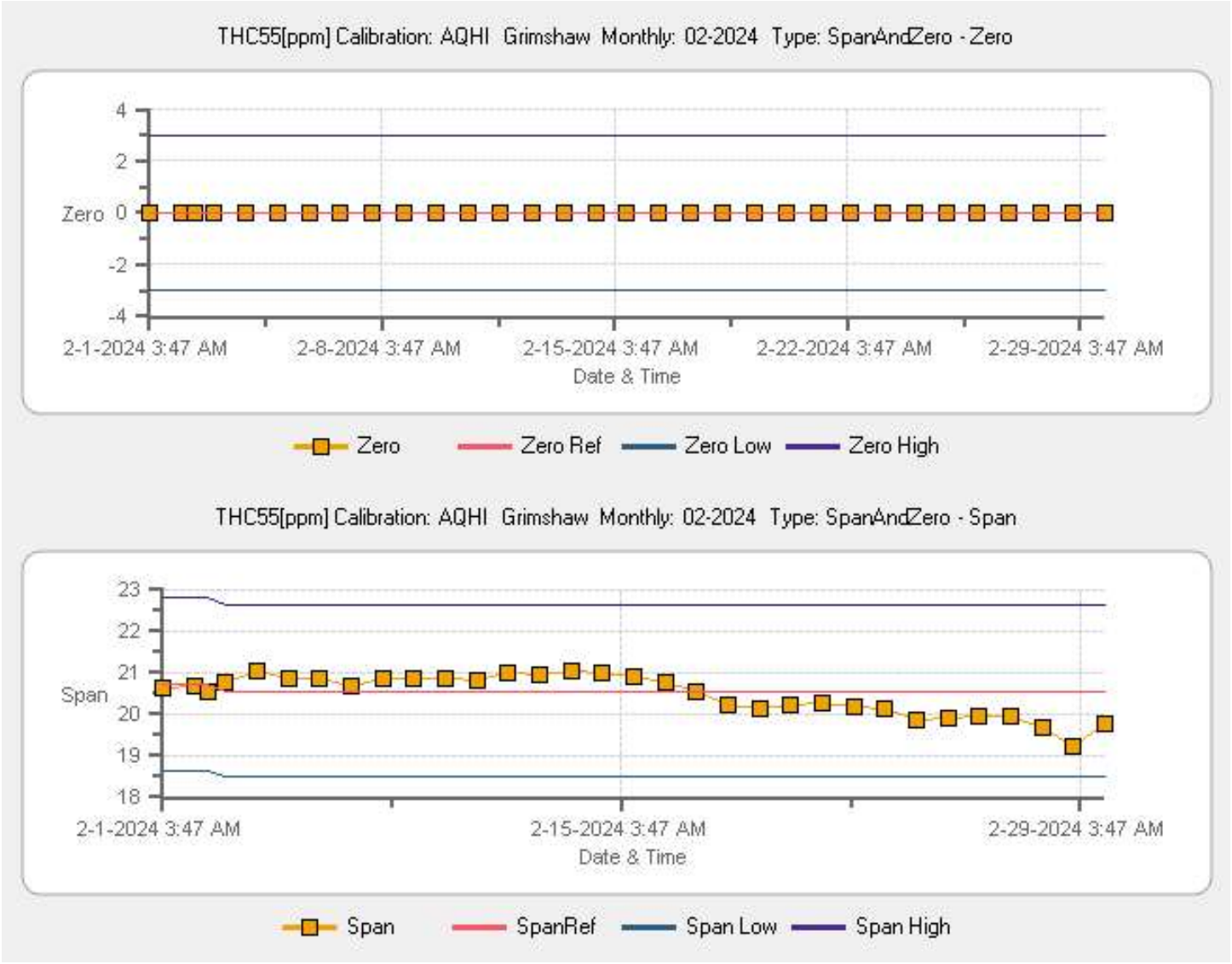


NOX[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span



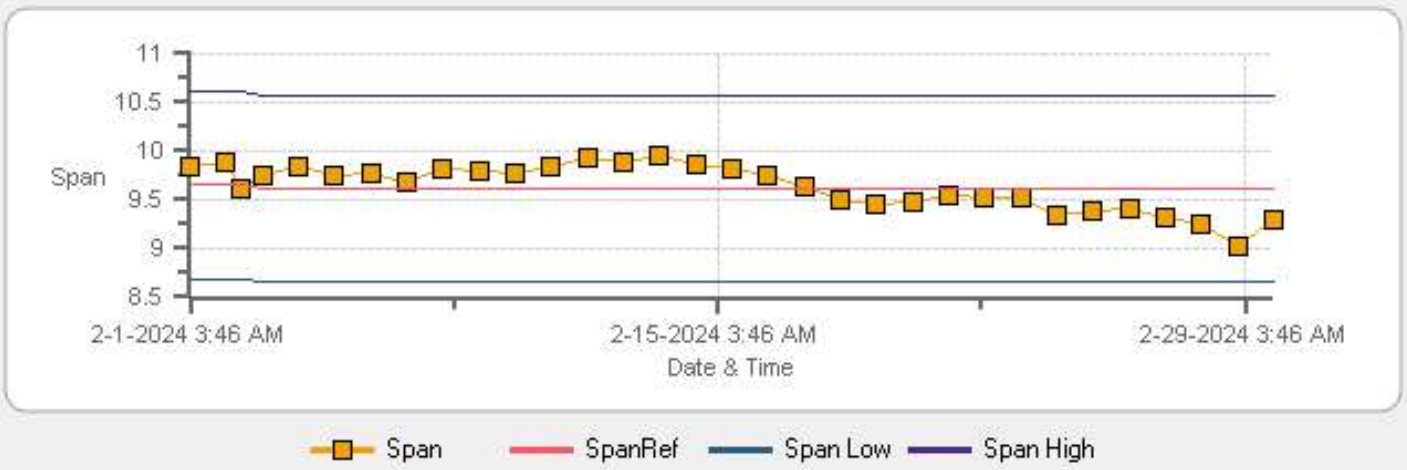

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 3:46 AM
2-8-2024 3:46 AM
2-15-2024 3:46 AM
2-22-2024 3:46 AM
2-29-2024 3:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span
350
300
Span
250
200
2-1-2024 3:46 AM
2-15-2024 3:46 AM
2-29-2024 3:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

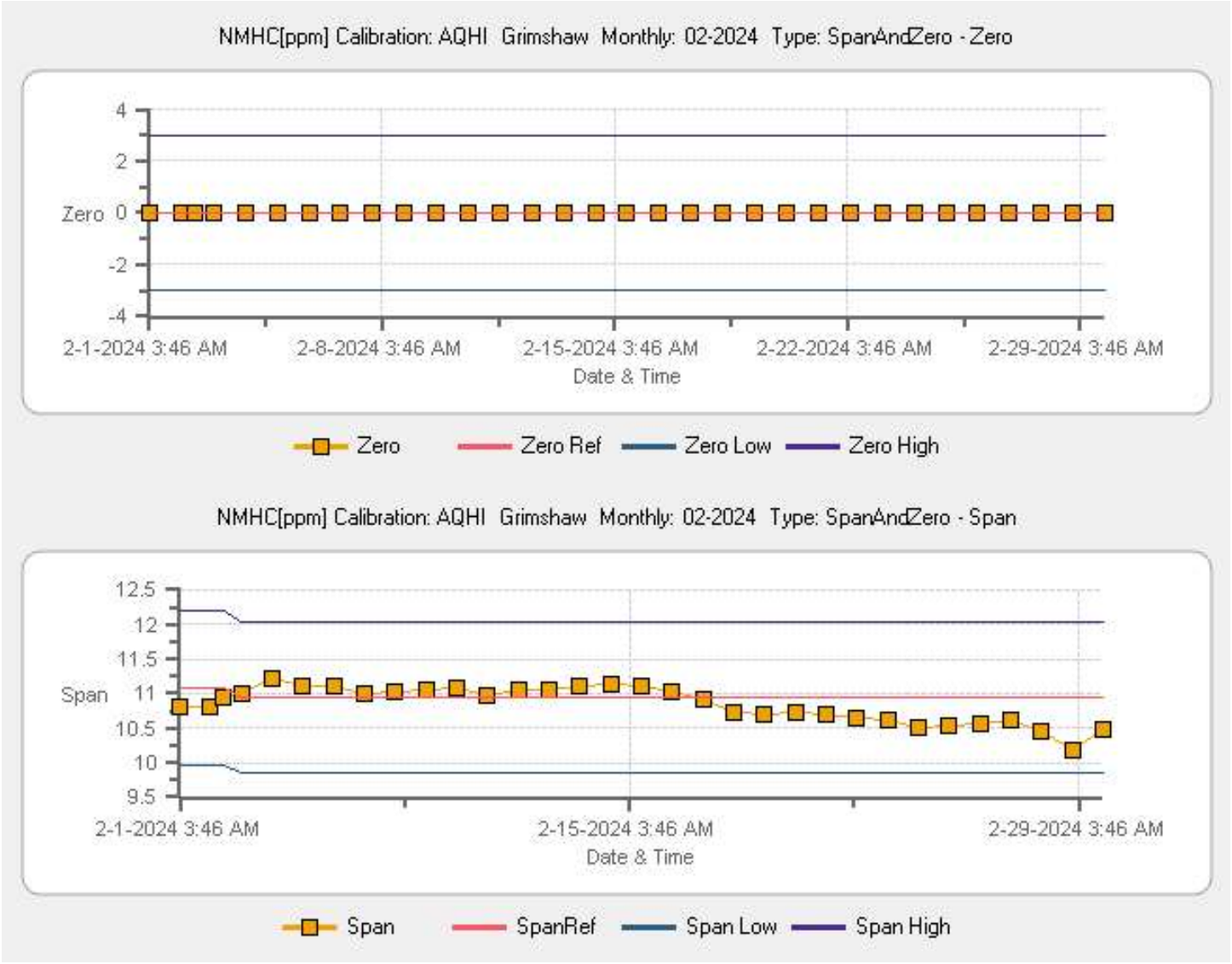

O3[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 3:47 AM
2-8-2024 3:47 AM
2-15-2024 3:47 AM
2-22-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
O3[ppb] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span
320
310
300
290
Span 280
270
260
250
240
2-1-2024 3:47 AM
2-15-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 3:47 AM
2-8-2024 3:47 AM
2-15-2024 3:47 AM
2-22-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span
23
22
21
Span
20
19
18
2-1-2024 3:47 AM
2-15-2024 3:47 AM
2-29-2024 3:47 AM
Date & Time
Span
SpanRef
Span Low
Span High

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span




NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 3:46 AM
2-8-2024 3:46 AM
2-15-2024 3:46 AM
2-22-2024 3:46 AM
2-29-2024 3:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 02-2024 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
2-1-2024 3:46 AM
2-15-2024 3:46 AM
2-29-2024 3:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	16-Jan-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	925
PURPOSE	Routine	START TIME (MST):	14:27
PERFORMED BY:	Chris Wesson	END TIME (MST):	18:19

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	947
INITIAL		FINAL	
BKG/OFFSET	31.9	BKG/OFFSET	33.2
COEF/SLOPE	0.904	COEF/SLOPE	0.893
Expected (reference) Value	241.6	Expected (reference) Value	248.9

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	58100720	ID:	18700921
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL107286	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	700	LOW ID	n/a
EXPIRY DATE	27-Jan-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		
4003		4003	0.00	0.7	0		
3942	60.80	4003	381.23	385.6	380.5	0.990	1.002
3974	28.80	4003	180.58	n/a	179.7	n/a	1.005
3988	14.40	4002	90.31	n/a	90.2	n/a	1.001

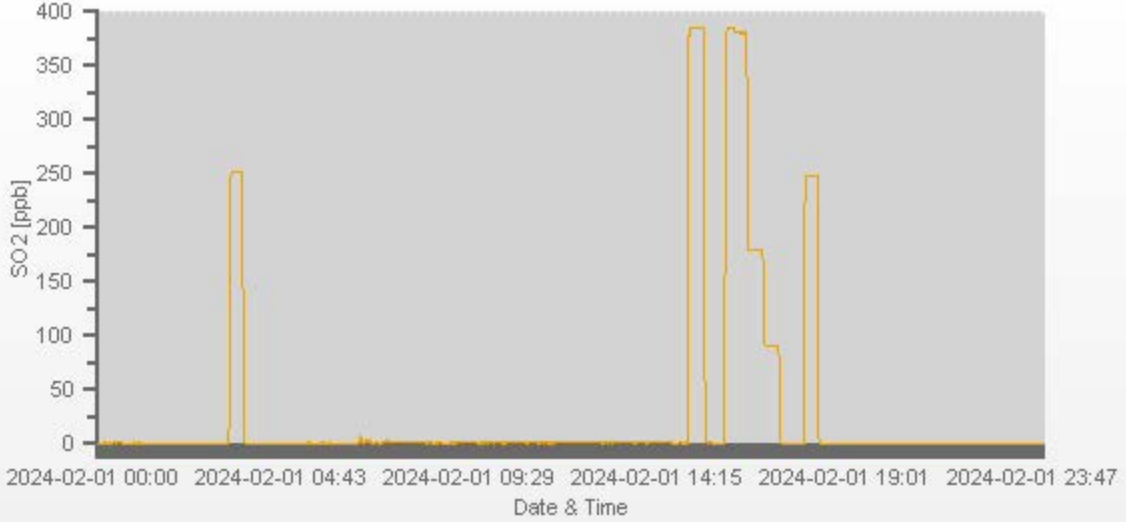
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.0%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: AQHI Grimshaw Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	16-Jan-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	925
PURPOSE	Routine	START TIME (MST):	14:27
PERFORMED BY:	Chris Wesson	END TIME (MST):	18:19

ANALYZER:

MAKE/MODEL	Teledyne T100U	RANGE	100 ppb
SERIAL #	132	FLOW (mL/min)	531
INITIAL		FINAL	
BKG/OFFSET	63	BKG/OFFSET	64.3
COEF/SLOPE	0.693	COEF/SLOPE	0.658
Expected (reference) Value	47.17	Expected (reference) Value	47.09

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	58100720	ID:	18700921
MFC CALIBRATION DATE:	12-Sep-2023	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002455	HIGH ID	n/a
CONC (ppm):	9.70	EXPIRY DATE	n/a
CYLINDER (psi):	2000	LOW ID	n/a
EXPIRY DATE	29-Sep-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:

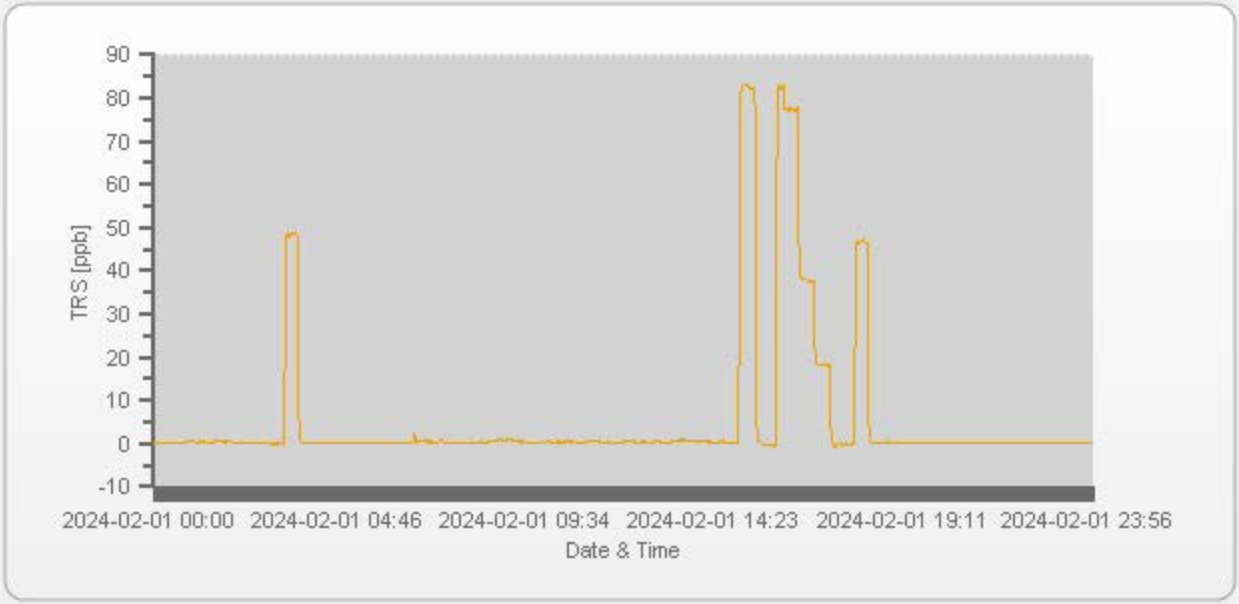
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4003		4003	0.00	0.51	0		
3971	32.20	4003	78.03	82.68	77.58	0.950	1.006
3987	15.70	4003	38.04	n/a	37.83	n/a	1.006
3994	7.80	4002	18.91	n/a	18.62	n/a	1.015

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.995	-0.1%

COMMENTS:

Converter, CDNova CDN-101 #576.


TRS[ppb] Station: AQHI Grimshaw Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
90
80
70
60
50
40
30
20
10
0
-10
2024-02-01 00:00
2024-02-01 04:46
2024-02-01 09:34
2024-02-01 14:23
2024-02-01 19:11
2024-02-01 23:56
Date & Time
TRS [ppb]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

				ANALYZER:			
DATE:	01-Feb-2024	PREVIOUS CALIBRATION DATE:	16-Jan-2024	MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	21.7	SERIAL #:	837	NOx	0.998
LOCATION:	Grimshaw	BAROMETRIC (mBar):	925	FLOW (mL/min)	435	NO	1.000
PURPOSE	Routine	START TIME (MST):	14:27	RANGE (ppb)	500	NO2	0.991
PERFORMED BY:	Chris Wesson	END TIME (MST):	20:22	GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	EY0001013		HIGH ID:	n/a
MODEL:	2010	MODEL:	2020EXP	NO/NOx (PPM):	49.2	49.4	HIGH EXPIRY:	n/a
ID:	26701218	ID:	18700921	CYLINDER (psi):	1100		LOW ID:	n/a
MFC CALIBRATION DATE:	08-Sep-2023	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:	1.3	0.1	n/a	BKG/OFFSET:	2.3	1.2	n/a
SLOPE/COEF/CE:	1.007	1.011	0.996	SLOPE/COEF/CE:	0.989	0.986	0.996

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	305.9	1.8	304.1				

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
4999		4999	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0						
4959	40.10	4999	394.7	396.3	1.6	408.0	408.6	0.6	393.9	395.2	1.3	0.968	0.971		1.002	1.003	
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	180.3	180.9	0.5	n/a	n/a		0.999	0.999	
4991	9.10	5000	89.5	89.9	0.4	n/a	n/a	n/a	89.0	90.3	1.3	n/a	n/a		1.006	0.996	

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	40.10	4999	0	394.3	397.0	2.7				
AS-FOUND HIGH	40.10	4999	270	145.8	397.5	251.7	248.5	249	0.998	100.20%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	40.10	4999	165	242.9	395.5	152.6	151.4	149.9	1.010	99.01%
LOW	40.10	4999	60	341.3	398.0	56.7	53	54	0.981	101.89%
NO2 adjustment not required.									AVERAGE:	100.37%

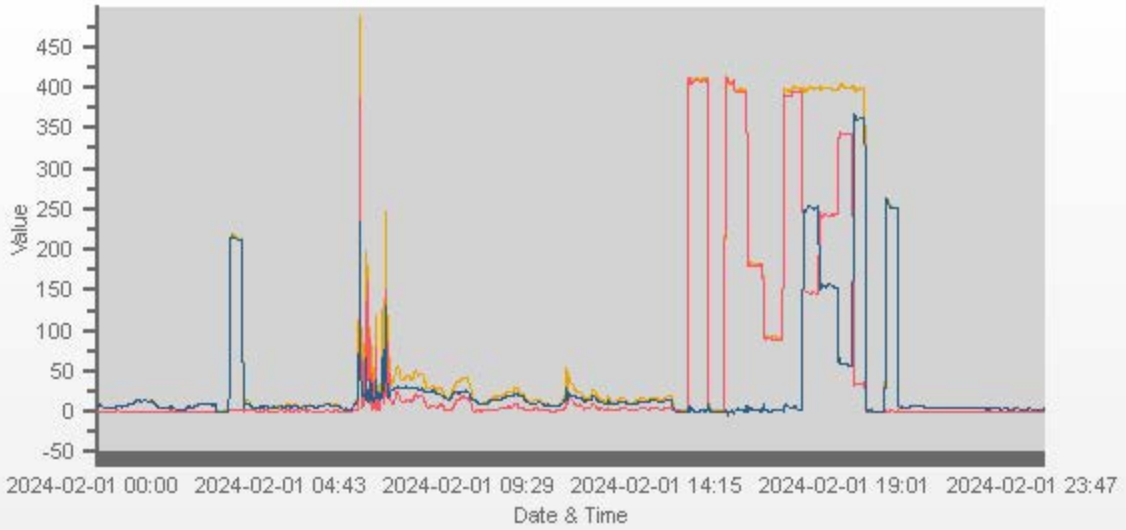
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	0.998	0.00%
NOx	1.000	0.997	0.08%
NO2	1.000	0.997	0.08%

COMMENTS:

Sample filter changed.
Extra point for O3. Setpoint = 380, NO drop (O3) = 359.2

Station: AQHI Grimshaw Daily: 2024-02-01 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	02-Feb-2024	PREVIOUS CALIBRATION DATE:	16-Jan-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	927
PURPOSE	Routine	START TIME (MST):	08:52
PERFORMED BY:	Chris Wesson	END TIME (MST):	12:19

ANALYZER:

MAKE/MODEL	Teledyne T400	RANGE	500 ppb
SERIAL #	824	FLOW (mL/min)	738
INITIAL		FINAL	
BKG/OFFSET	-1.3	BKG/OFFSET	-1.4
COEF/SLOPE	0.979	COEF/SLOPE	0.989
Expected (reference) Value	276.3	Expected (reference) Value	283.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	2020EXP
ID:	26701218	ID:	18700921
MFC CALIBRATION DATE:	08-Sep-2023	OXIDIZER ID:	n/a
	CALIBRATION METHOD:	Direct GPT	
GPT DATE:	01-Feb-2024	GPT END TIME:	19:30

CALIBRATION PARAMETERS:

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

CALIBRATION:

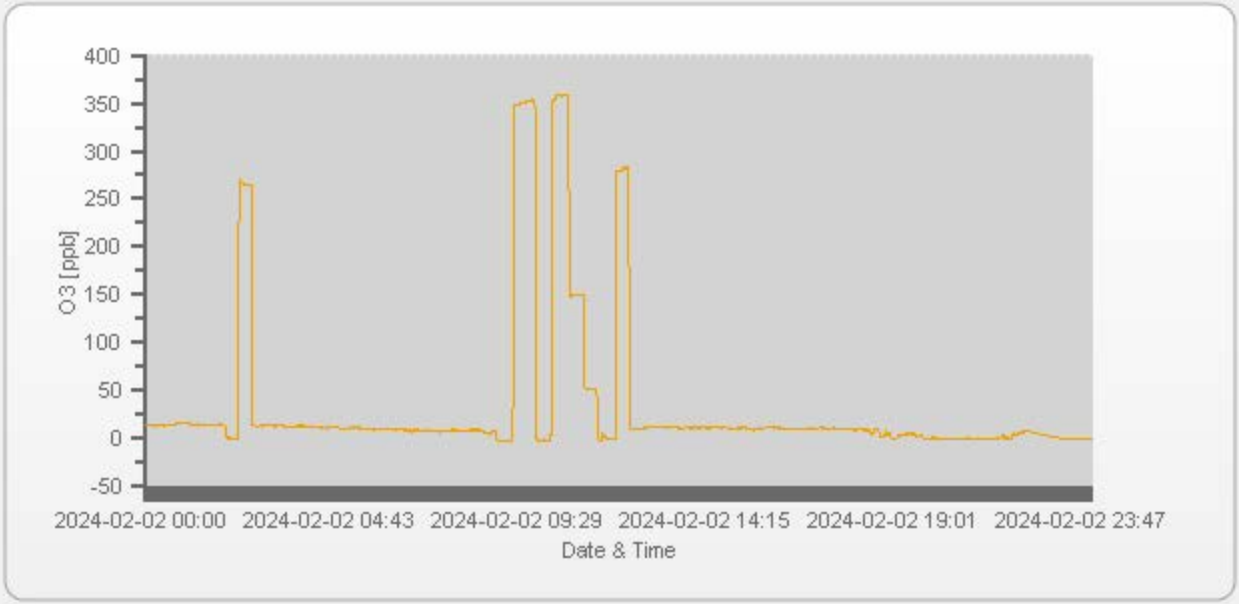
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000		5000	0.0	-0.1	0.0		
5000		5000	359.2	354.5	359.2	1.013	1.000
5000		5000	151.4	n/a	151.4	n/a	1.000
5000		5000	53.0	n/a	54.2	n/a	0.978

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.1%

COMMENTS:

sample filter changed


O3[ppb] Station: AQHI Grimshaw Daily: 2024-02-02 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
O3 [ppb]
2024-02-02 00:00
2024-02-02 04:43
2024-02-02 09:29
2024-02-02 14:15
2024-02-02 19:01
2024-02-02 23:47
Date & Time
O3 [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	02-Feb-2024	PREVIOUS CALIBRATION DATE:	16-Jan-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	927
PURPOSE	Routine	START TIME (MST):	08:52
PERFORMED BY:	Chris Wesson	END TIME (MST):	12:19

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1191032505	1096
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.004	1.001	1.002

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Sabio	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	2020EXP	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	18700921	CYLINDER (psi):	1500		LOW ID:	n/a
MFC CALIBRATION DATE:	08-Sep-2023	OXIDIZER ID:	115	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
	9.65	11.08	20.73		9.61	10.95	20.56

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
3254		3254	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3201	52.80	3254	14.55	13.43	27.99	14.54	13.19	27.73	14.57	13.47	28.04	1.001	1.018	1.009	0.999	0.997	0.998
3229	26.40	3255	7.28	6.71	13.99	n/a	n/a	n/a	7.26	6.73	13.99	n/a	n/a	n/a	1.002	0.998	1.000
3240	13.20	3253	3.64	3.36	7.00	n/a	n/a	n/a	3.63	3.38	7.01	n/a	n/a	n/a	1.003	0.994	0.998

LINEAR REGRESSION ANALYSIS:

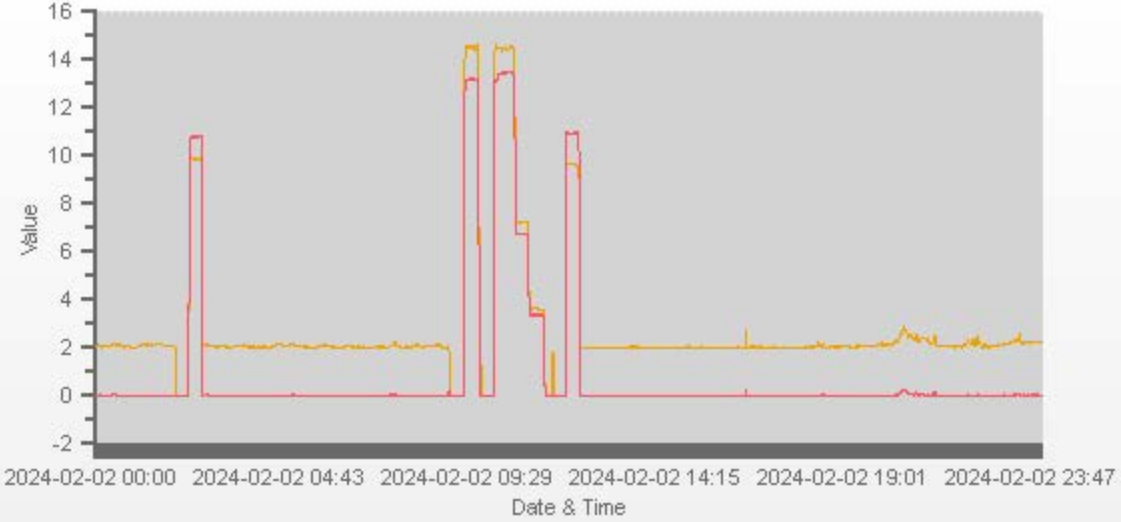
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	-0.1%
NMHC	1.000	1.003	0.0%
THC	1.000	1.002	0.0%

Comments:

H2 = AMA HG300 #190567059

Use Zero Chrom? **Yes**

Station: AQHI Grimshaw Daily: 2024-02-02 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	February 2, 2024	January 16, 2024	**Weather Conditions:**	Mix of sun and clouds	
Company:	PRAMP		**Start Time (mst):**	9:30	
Station:	Grimshaw		**End Time (mst):**	10:01	
Parameter:	PM 2.5		**Performed By/Reviewer:**	Chris Wesson	Limin Li

Instrument Data:

Make/Model:	Teledyne T640	**Serial Number:**	318
Owner:	PRAMP	**Alarms (detail in comments):**	Yes

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)	695.7	Ambient Temp (°C)	-1.8	ASC Heater Duty (%)	0.0
Box Temp (°C)	26.8	Current PMT HV (V)	1527	LED Temp (°C)	35.25
P3 Value	47	PMT Setting (V)	1532	Pump PWM (%)	69
Sample Flow (L/min)	4.91	Sample RH (%RH)	18.0	Sample Temp (°C)	24.6

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)	695.0	695.7	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	-1.90	-1.8	n/a		+/- 2°C
Sample Flow (L/min)	4.96	5.07	5.04	5.01	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)

Additional Monthly Maintenance :	***Completed***
Inlet cleaned?	Yes
Sample tubing inspected (inner and outer)?	Yes

Quarterly Audit/Calibration:

SpanDust™ Standard	**Peak at Channel**	**Lot No:**	**Expiry:**
	10.9	100128-050-046	5-10-2025

Item:	**Verification:**		**Calibration (if needed):**		**Tolerance**
	Reference	**T640x**	**Reference**	**T640x**	
Peak Channel	10.9	10.7	n/a	n/a	± 0.5
PMT Setting (V)	n/a	1532	n/a	n/a	n/a
Peak Channel Counts:	n/a	1032	n/a	n/a	n/a

Comments:

Alert: 01/24/2023: Perform span dust check.

Meteorological System Checklist

Date:	February 2, 2024		
Technician:	Chris Wesson		
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:	January 16, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Temperature (^{o}C):	-1.9		
Station - Ambient Temperature (^{o}C):	-2.3		
Temperature Difference (^{o}C):	0.4		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 16, 2024		
Reference Barometer ID:	Brunton ADC #231010, Exp: Oct 10, 2024		
Reference Pressure - Units/Reading:	millibar	927.2	
Station Pressure - Units/Reading:	millibar	927	
Pressure Tolerance +/- 15% of error:	788 - 1066	0.02%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 16, 2024		
Reference Hygrometer ID:	Traceable 20250-21 #230557122 Exp: Aug 17, 2025		
Reference Hygrometer % RH- Reading:	92.50		
Station Hygrometer % RH- Reading:	97.80		
RH Tolerance +/- 15% of difference:	78.63 - 106.38	-5.7%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	January 16, 2024	Previous check date:	January 16, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	N
Wind speed on Data Logger (kph):	6.5	Wind Direction on Data Logger:	N
		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

FEBRUARY 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202402-01698

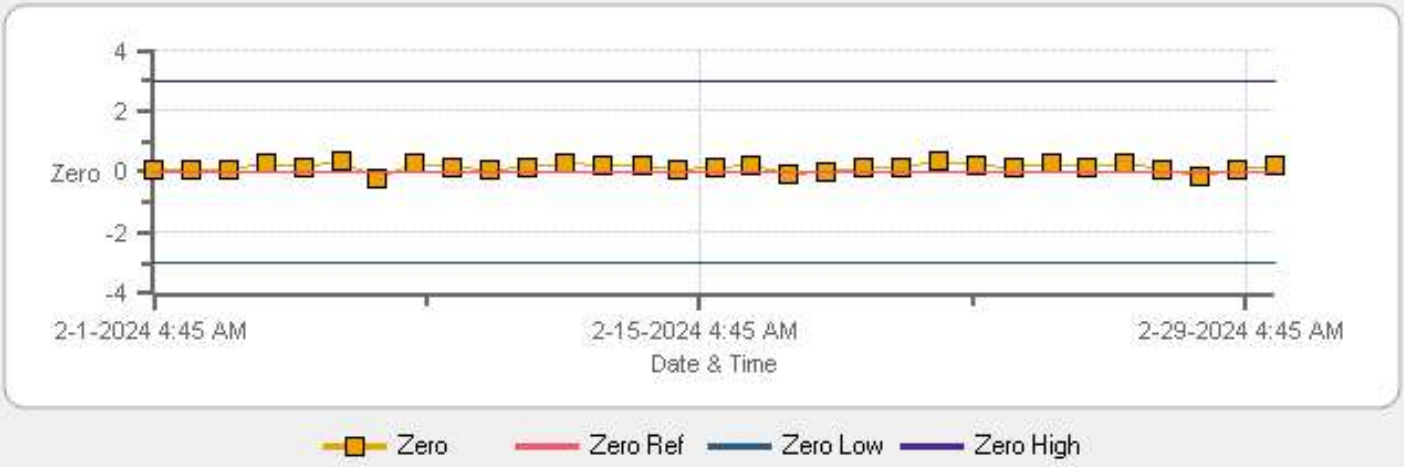
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

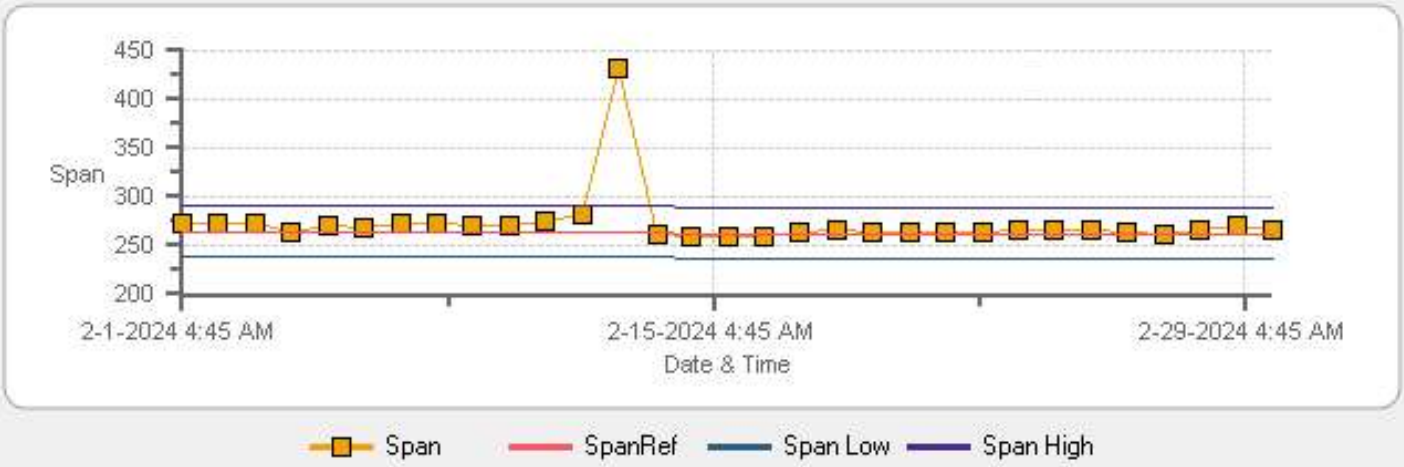
March 8, 2024

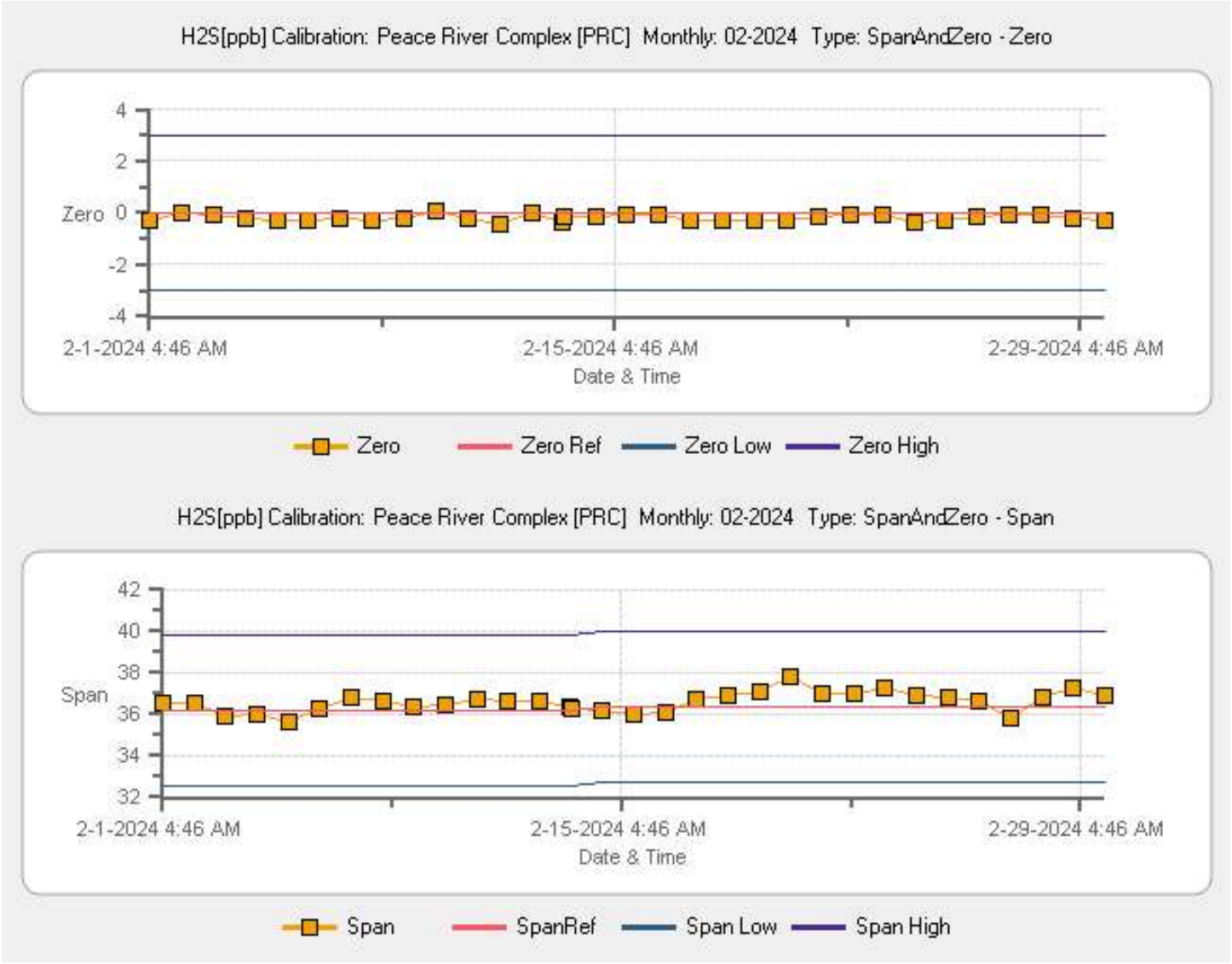
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero

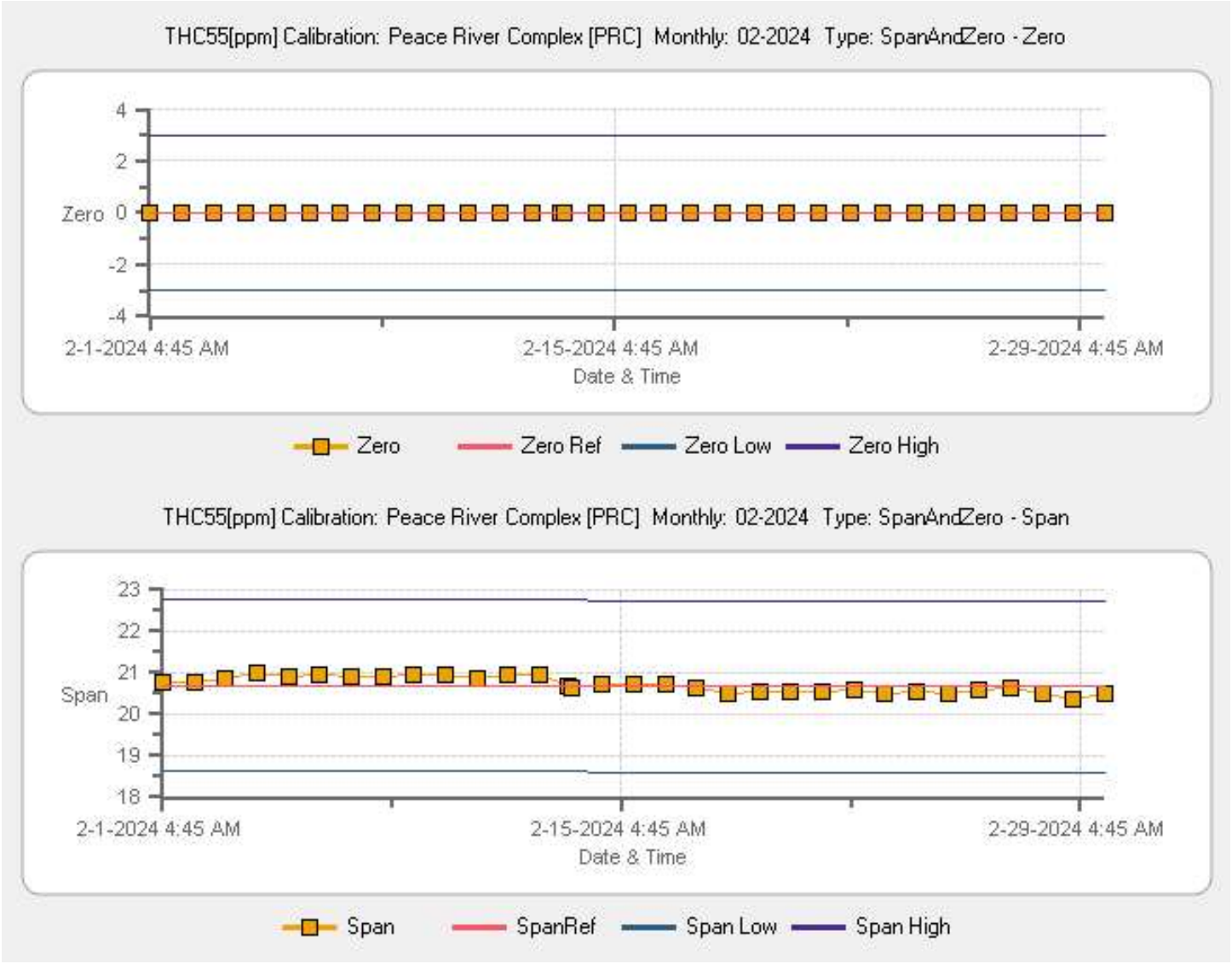


SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span

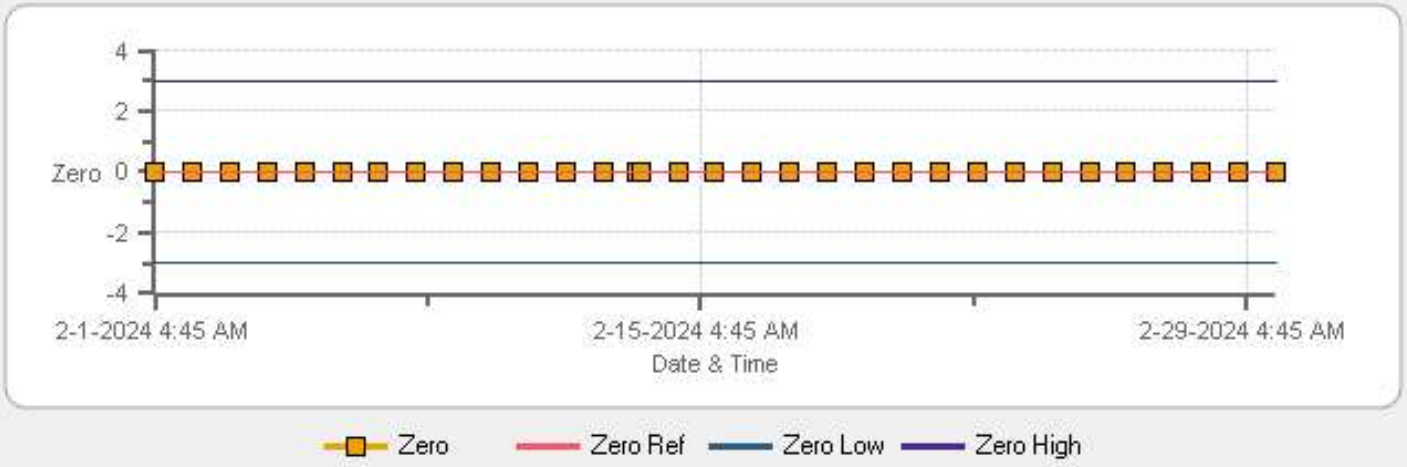



H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span
42
40
38
Span
36
34
32
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

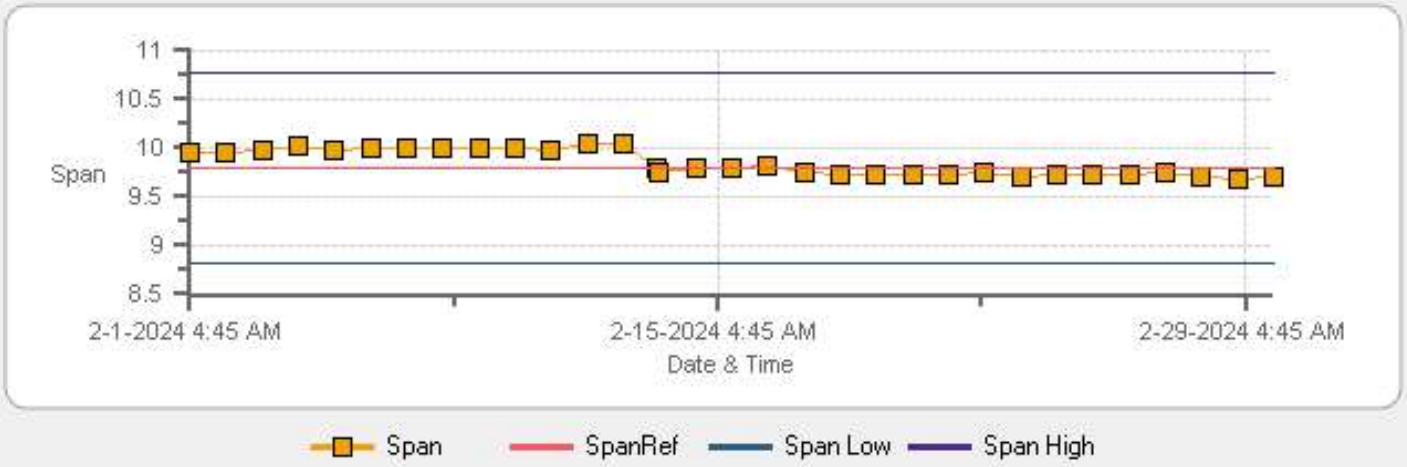

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 4:45 AM
2-15-2024 4:45 AM
2-29-2024 4:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span
60
55
Span
50
45
2-1-2024 4:45 AM
2-15-2024 4:45 AM
2-29-2024 4:45 AM
Date & Time
Span
SpanRef
Span Low
Span High

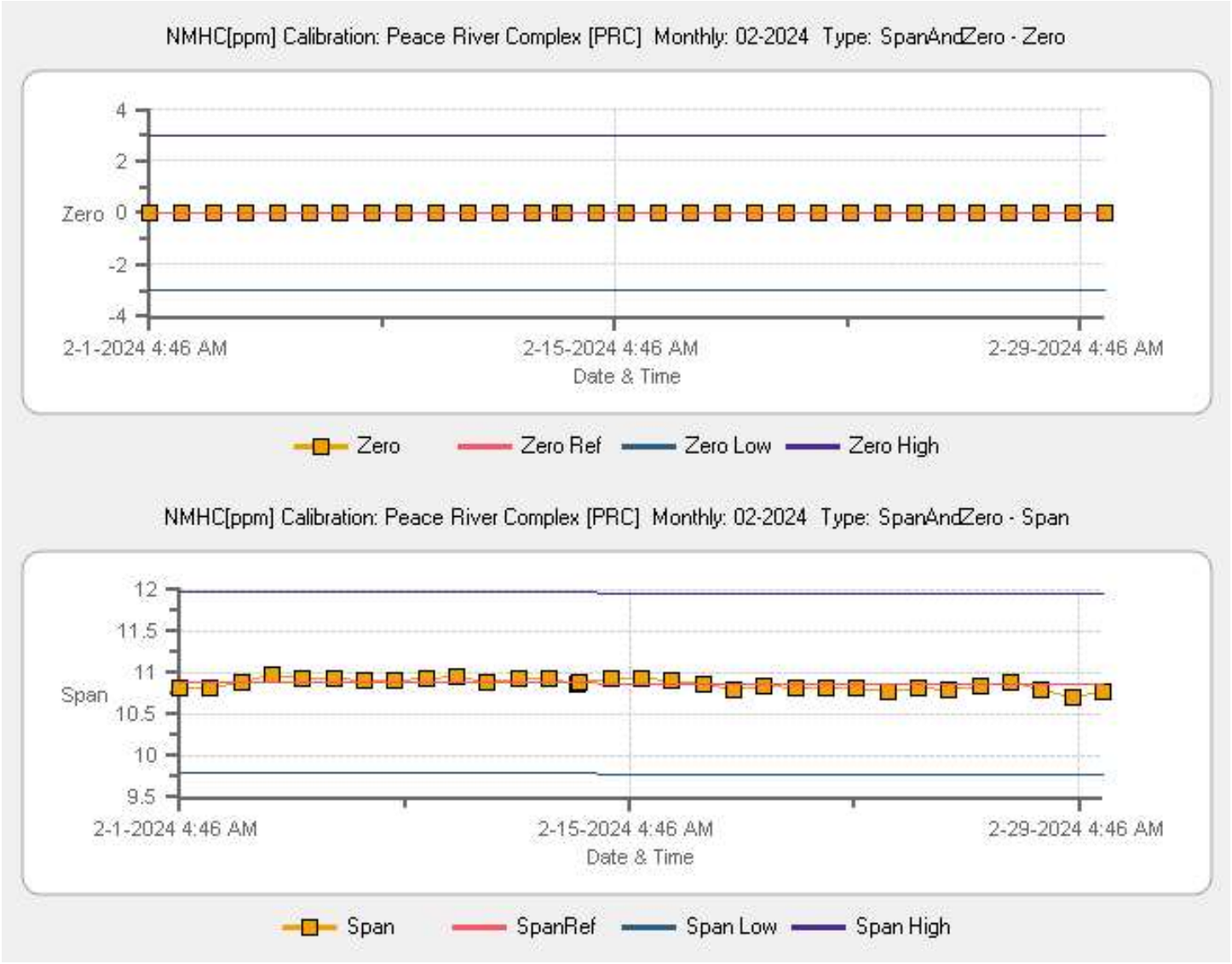

THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 4:45 AM
2-15-2024 4:45 AM
2-29-2024 4:45 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span
23
22
21
Span
20
19
18
2-1-2024 4:45 AM
2-15-2024 4:45 AM
2-29-2024 4:45 AM
Date & Time
Span
SpanRef
Span Low
Span High

CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero



CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span




NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2024 Type: SpanAndZero - Span
12
11.5
Span 11
10.5
10
9.5
2-1-2024 4:46 AM
2-15-2024 4:46 AM
2-29-2024 4:46 AM
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	13-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	948
PURPOSE	Removal/Shut-down	START TIME (MST):	09:17
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	11:50

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	**240**
INITIAL		FINAL	
BKG/OFFSET	20.1	BKG/OFFSET	n/a
COEF/SLOPE	1.145	COEF/SLOPE	n/a
Expected (reference) Value	264	Expected (reference) Value	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	5004
MFC CALIBRATION DATE:	08-Sep-2023	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):	1400	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	n/a		
3939	60.80	4000	380.00	377.1	n/a	1.008	n/a
3970	28.80	3999	180.05	181.5	n/a	0.994	n/a
3986	14.40	4000	90.00	91.4	n/a	0.988	n/a

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.990	0.3%

COMMENTS:

Shutdown to repair sample pump

SO2 Analyzer Calibration by Dilution

DATE:	13-Feb-2024	PREVIOUS CALIBRATION DATE:	n/a
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	948
PURPOSE	Install/Post-Repair	START TIME (MST):	13:40
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	17:08

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	442
INITIAL		FINAL	
BKG/OFFSET	n/a	BKG/OFFSET	19.9
COEF/SLOPE	n/a	COEF/SLOPE	1.147
Expected (reference) Value	n/a	Expected (reference) Value	262.5

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	5004
MFC CALIBRATION DATE:	08-Sep-2023	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):	1400	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	n/a	0		
3939	60.80	4000	380.00	n/a	380.6	n/a	0.998
3971	28.80	4000	180.00	n/a	179.5	n/a	1.003
3985	14.40	3999	90.02	n/a	90.5	n/a	0.995

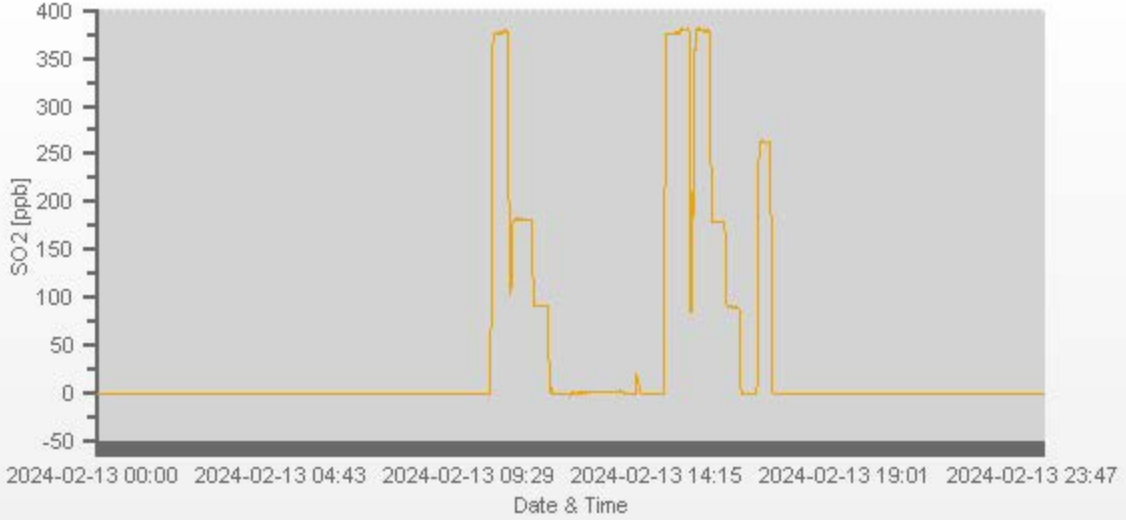
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.0%

COMMENTS:

Sample filter changed.
15:00 = Daily ZS. High point restarted

SO2[ppb] Station: Peace River Complex [PRC] Daily: 2024-02-13 Type: AVG 1 Min. [1 Min.]



H2S Analyzer Calibration by Dilution

DATE:	13-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	09:17
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:20

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	936
INITIAL		FINAL	
BKG/OFFSET	16.1	BKG/OFFSET	16
COEF/SLOPE	1.084	COEF/SLOPE	1.088
Expected (reference) Value	36.2	Expected (reference) Value	36.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1600	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	-0.2	0		
3969	30.90	4000	77.95	76.6	77.8	1.015	1.002
3984	15.10	3999	38.10	n/a	37.7	n/a	1.011
3993	7.50	4000	18.92	n/a	18.3	n/a	1.034

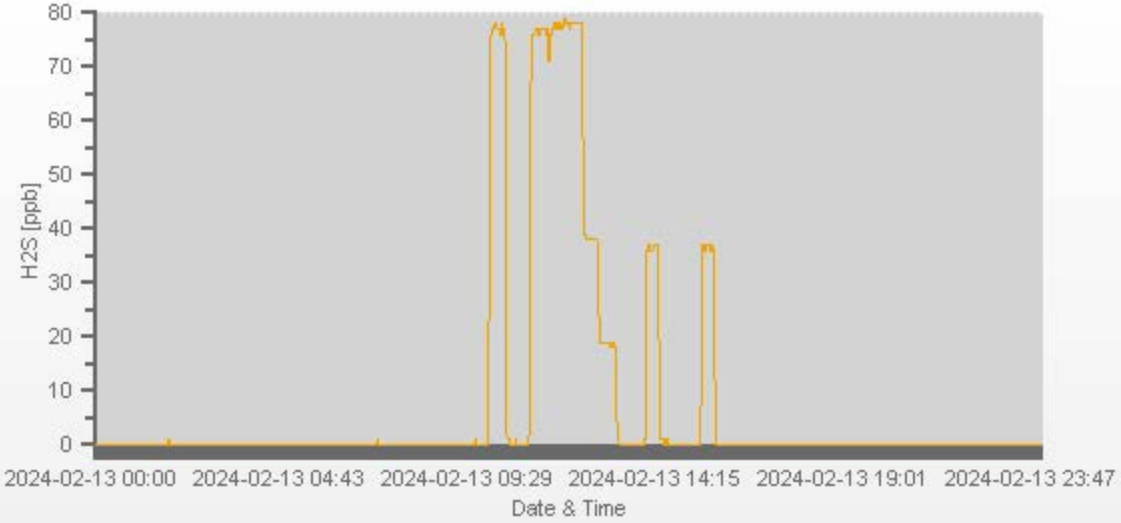
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	-0.3%

COMMENTS:

Sample filter changed

H2S[ppb] Station: Peace River Complex [PRC] Daily: 2024-02-13 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	13-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.996
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	09:17
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:20

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	702
INITIAL		FINAL	
BKG/OFFSET	30.1	BKG/OFFSET	28.7
COEF/SLOPE	1.134	COEF/SLOPE	1.095
Expected (reference) Value	53.65	Expected (reference) Value	53.61

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	75401122	ID:	4568
MFC CALIBRATION DATE:	08-Sep-2023	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):	1600	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:

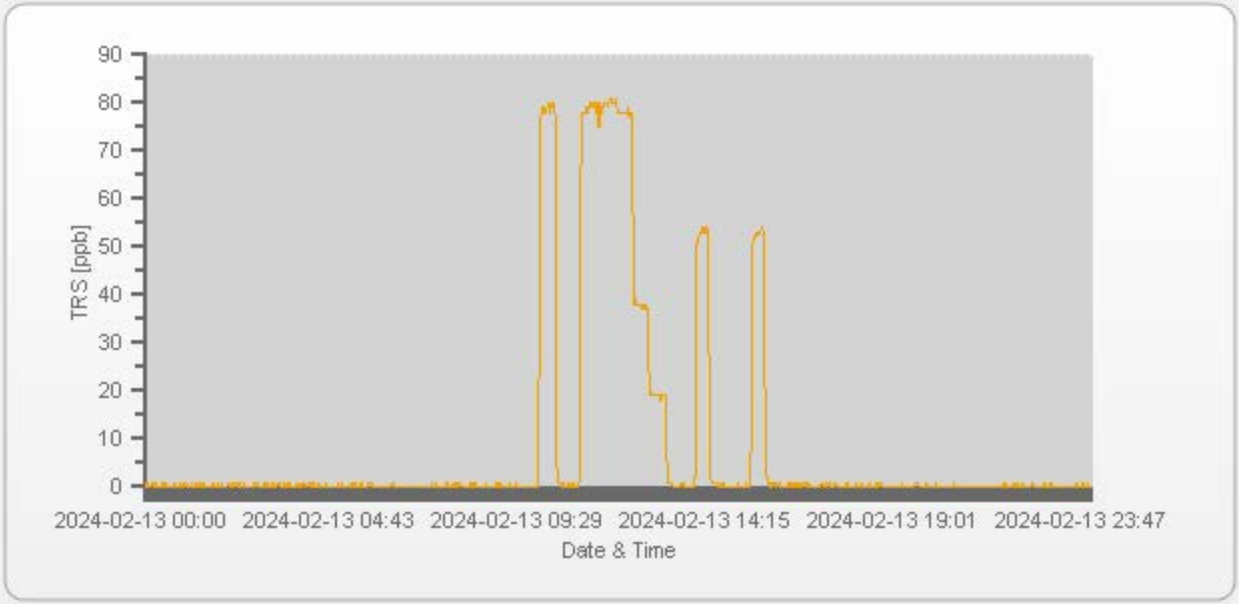
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0	0		
3969	30.90	4000	77.95	78.95	78.4	0.987	0.994
3984	15.10	3999	38.10	n/a	37.59	n/a	1.014
3993	7.50	4000	18.92	n/a	18.78	n/a	1.007

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.006	-0.3%

COMMENTS:

TRS Converter CDNOVA CDN-101 #516


TRS[ppb] Station: Peace River Complex [PRC] Daily: 2024-02-13 Type: AVG 1 Min. [1 Min.]
90
80
70
60
50
40
30
20
10
0
TRS [ppb]
2024-02-13 00:00
2024-02-13 04:43
2024-02-13 09:29
2024-02-13 14:15
2024-02-13 19:01
2024-02-13 23:47
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	13-Feb-2024	PREVIOUS CALIBRATION DATE:	10-Jan-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.1
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	948
PURPOSE	Routine	START TIME (MST):	09:18
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:55

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1034745845	1140
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	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:	M701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26801218	ID:	4568	CYLINDER (psi):	1300		LOW ID:	n/a
MFC CALIBRATION DATE:	12-Sep-2023	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
	9.80	10.89	20.70		9.80	10.87	20.67

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
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	14.84	13.65	28.48	14.58	13.41	27.99	0.981	0.984	0.983	0.999	1.002	1.000
3074	25.10	3099	7.27	6.70	13.97	n/a	n/a	n/a	7.29	6.68	13.97	n/a	n/a	n/a	0.997	1.004	1.000
3085	12.60	3098	3.65	3.37	7.01	n/a	n/a	n/a	3.67	3.38	7.04	n/a	n/a	n/a	0.994	0.996	0.996

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.0%
NMHC	1.000	0.998	0.0%
THC	1.000	1.000	0.0%

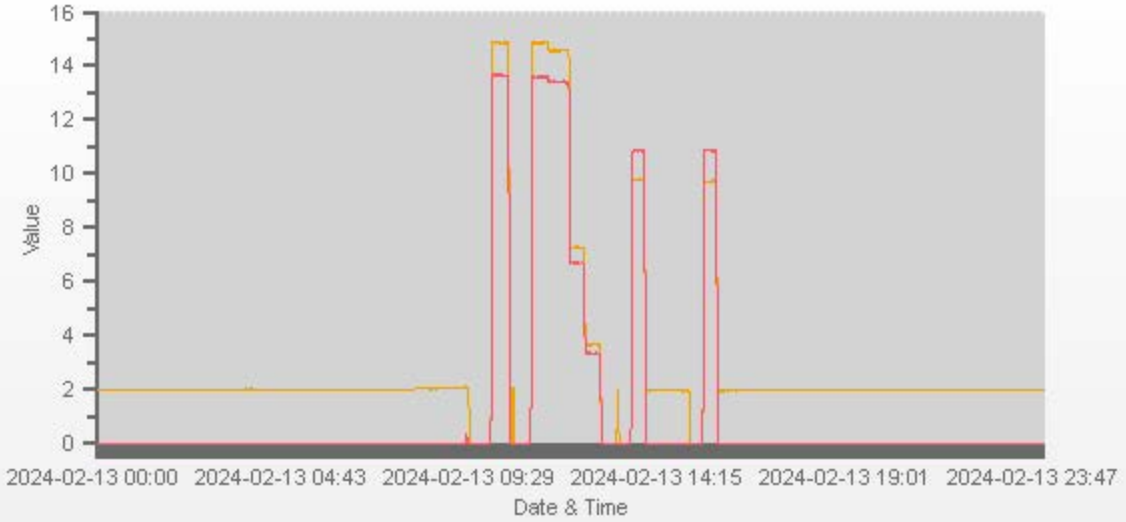
Comments:

Filter Change - No Issues

H2 = AMA HG300 #211067076

Use Zero Chrom? **No**

Station: Peace River Complex [PRC] Daily: 2024-02-13 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 13, 2024		
Technician:	Kevin Sebastian		
Station:	Peace River Compliance		
Unit:	**Make:**	**Model:**	**Serial #:**
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:	January 10, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Temperature (°C):	0.1		
Station - Ambient Temperature (°C):	-1.8		
Temperature Difference (°C):	1.9		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 10, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024		
Reference Pressure - Units/Reading:	millibar	950	
Station Pressure - Units/Reading:	millibar	947	
Pressure Tolerance +/- 15% of error:	808 - 1093	0.32%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 10, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024		
Reference Hygrometer % RH- Reading:	54.20		
Station Hygrometer % RH- Reading:	55.20		
RH Tolerance +/- 15% of difference:	46.07 - 62.33	-1.8%	
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:	SW
Wind speed on Data Logger (kph):	13.4	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:	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

List of SOPs

MONITOR	SOP
SULPHUR DIOXIDE (SO_2)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
HYDROGEN SULPHIDE (H_2S)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL REDUCED SULPHUR (TRS)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL HYDROCARBONS (THC), METHANE (CH4), NON-METHANE(NMHC)	Bureau Veritas EMS SOP-00001: Methane, Non-Methane Hydrocarbon Analyzer Monitoring
OXIDES OF NITROGEN (NOx), NITRIC OXIDE (NO) & NITROGEN DIOXIDE (NO_2)	Bureau Veritas EMS SOP-00213: Ambient NO/NO_2/NOx Monitoring
OZONE (O3)	Bureau Veritas EMS SOP-00212: Ambient O3 Monitoring
PARTICULATE MATTER < 2.5 MICRONS ($PM_{2.5}$)	Bureau Veritas EMS SOP-00015: Teledyne API PM Monitor Model T640
WIND SPEED (WS) & WIND DIRECTION (WD)	Bureau Veritas EMS SOP-00013: RM Young Wind Monitor Calibration

Peace River Area Monitoring Program

FEBRUARY 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202402-INTEGRATED

March 15, 2024

Pages may be left blank for double-sided printing

Table of Contents

Peace River Area Monitoring Program
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

March 15, 2024

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

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

Enclosed is the February 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 February 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.
  - No canister events were recorded in February.

- **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 January and February were installed on December 31, 2023. They are scheduled to be removed on February 29, 2024.
  - The sample media for sampling period of March and April were installed on February 29. They are scheduled to be removed by the end of April.

- **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 February 1 and were removed on March 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

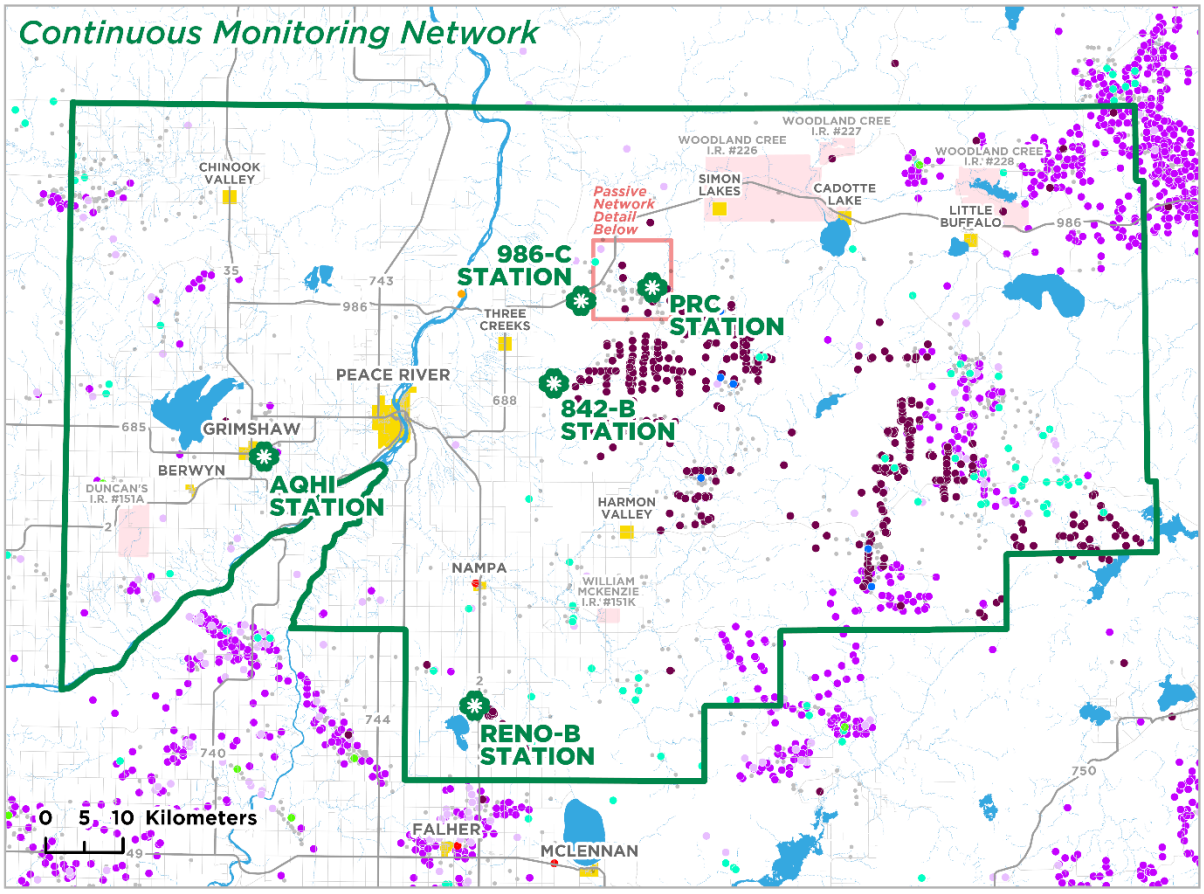
The report was reviewed by Mike Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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

March 15, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network

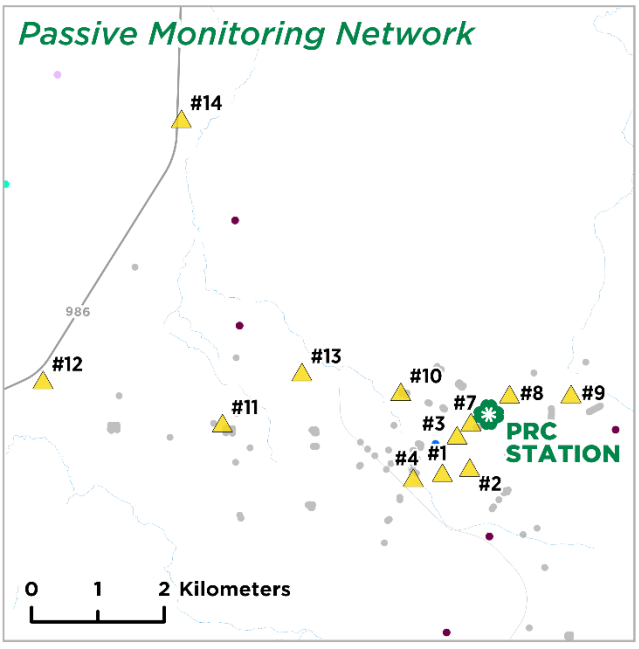


Legend

- 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**

  No canister events were recorded in February.

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	0.09	#1	0.2	#11
Maximum (ppb)	0.14	#3	0.6	#3
Average (ppb)	0.12	-	0.38	-

ANALYTICAL SAMPLING RESULTS

Passives

peace river area monitoring program pramp

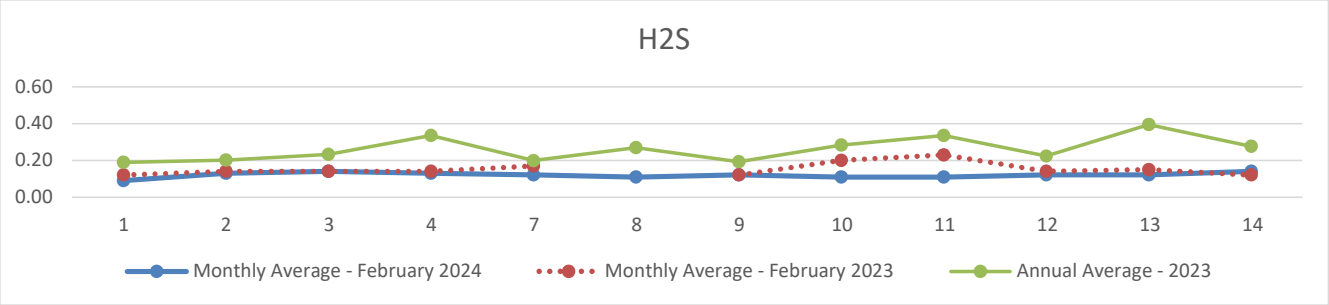
PEACE RIVER AREA MONITORING PROGRAM

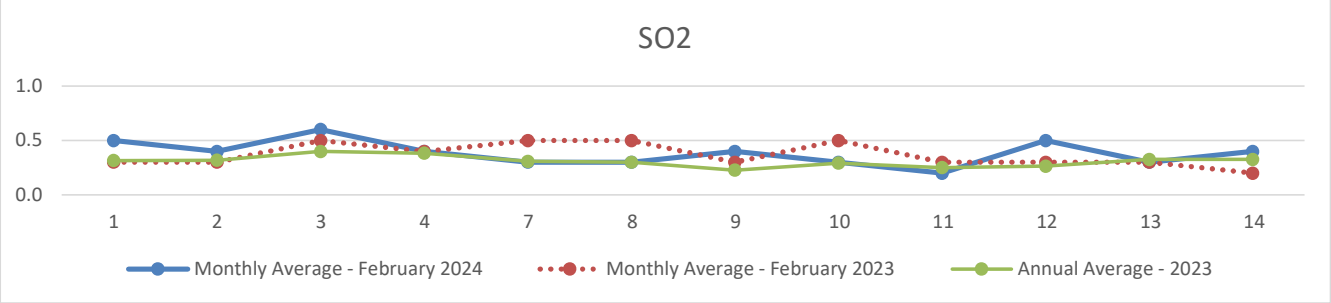
PRC Site - February 2024

Passive Results

	H_2S		SO_2	
Minimum (ppb)	0.09	#1	0.2	#11
Maximum (ppb)	0.14	#3	0.6	#3
Average (ppb)	0.12	-	0.38	-

No.	Calculated Value	Calculated Value
1	0.09	0.5
2	0.13	0.4
3	0.14	0.6
4	0.13	0.4
7	0.12	0.3
8	0.11	0.3
9	0.12	0.4
10	0.11	0.3
11	0.11	0.2
12	0.12	0.5
13	0.12	0.3
14	0.14	0.4
Reportable Detection Limit (RDL)	**0.02**	**0.1**





End of Report

Peace River Area Monitoring Program

FEBRUARY 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202402

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

March 8, 2024

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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:

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

Analysis Required

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*	SO2	H2S	NO2	O3	NH3	PM2.5	PM10	TSP	Dustfall				
1	01/02/24	7:00	01/03/24	1:00 pm		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		11:00				X	X											
Blank						X	X											
				3:00 pm														

Notes/Comments: Client 12521 / Scenario 18009

Sampled By _____ Phone/Email _____ Received By _____ Date/Time _____ Project # _____

Date Shipped _____ Signature _____ PO# _____

14:02
14H2S
NB 24-03-05
C08100

PTC FCD-00457/4

Your Project #: 2024/02/01-2024/03/01
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: 2024/03/15
Report #: R3475378
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C415640
Received: 2024/03/05, 08:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	12	2024/03/11	2024/03/14	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	12	2024/03/07	2024/03/14	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
15 Mar 2024 08:49:53

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		CKH728	CKH729	CKH730	CKH731	CKH732	CKH733	CKH734		
Sampling Date		2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.09	0.13	0.14	0.13	0.12	0.11	0.12	0.02	B308391
Calculated SO2	ppb	0.5	0.4	0.6	0.4	0.3	0.3	0.4	0.1	B306363
RDL = Reportable Detection Limit										

Bureau Veritas ID		CKH735	CKH736	CKH737	CKH738	CKH739		
Sampling Date		2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00	2024/02/01 07:00		
	UNITS	10	11	12	13	14	RDL	QC Batch
Passive Monitoring								
Calculated H2S	ppb	0.11	0.11	0.12	0.12	0.14	0.02	B308391
Calculated SO2	ppb	0.3	0.2	0.5	0.3	0.4	0.1	B306363
RDL = Reportable Detection Limit								

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3W3 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Travel blank result for H2S exceeded acceptance criteria of >RDL. Possible contamination may have occurred. Sample results have been blank subtracted. 2024/03/14 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 #: C415640
Report Date: 2024/03/15

Peace River Area Monitoring Program Committee
Client Project #: 2024/02/01-2024/03/01
Site Location: PEACE RIVER COMPLEX

QUALITY ASSURANCE REPORT

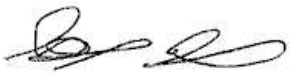
QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B306363	OZ	Spiked Blank	Calculated SO2			99	%	90 - 110
B306363	OZ	Method Blank	Calculated SO2		<0.1		ppb	
B308391	YYA	Spiked Blank	Calculated H2S			101	%	90 - 110

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.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Steven Gloux, Senior Analyst

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.

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End of Report