Peace River Area Monitoring Program

FEBRUARY 2023

Monthly Ambient Air Quality Monitoring Report

PRAMP-202302

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

March 10, 2023

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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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Edmonton, AB, T5K 2J6

March 10, 2023

RE: PRAMP – February 2023 Monthly Ambient Air Quality Monitoring Report

Enclosed is the February 2023 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 2023 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 2023

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 requirement, except RH (0.0%), AT (50.9%) and precipitation (89.4%).

RH/AT: The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897 probe failed on January 14 and was removed from the field due to a broken connector. Troubleshooting commenced on February 1 hour 17 and February 13 at hour 17. The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897, was reinstalled on February 14. Valid AT data resumed at hour 18. However, the RH issue could not be resolved. The RH/AT sensor probe was replaced in March to correct the issue. Six hundred seventy-two and three hundred thirty hours of downtime for the RH channel and AT channel were recorded, respectively.

Precipitation: The precipitation gauge was found to be non-functional; the tipping bucket and drain holes were blocked by ice on February 2. The problem could not be corrected during the visit as ambient temperatures were too low to allow the system to be de-iced. Data were invalidated back to the last known good value, which was January 23 hour 11, to February 3 hour 22 before a valid reading started being recorded. Five hundred thirty-nine and seventy-one hours of data collected in January and February were discarded, respectively.

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, except precipitation (85.9%).
- **Precipitation:** The precipitation gauge was found to be non-functional; the tipping bucket and drain holes were blocked by ice on February 14. The system was de-iced and tested to show correct function on February 14. Data were invalidated back to the last known good value, which was February 10 hour 15, to February 14 hour 11 the issue was corrected. Ninety-five hours of data collected were discarded.

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.
- No major operational issues were identified.

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 identified.

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 identified.

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 986c, 842b, and the Reno 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.
- No canister events were recorded this month.

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. Although precipitation data collected in January at the 986-C station were revised, data submission to the Alberta's Ambient Air Quality Data Warehouse is not required. The precipitation parameter was added for PRAMP regional study.

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

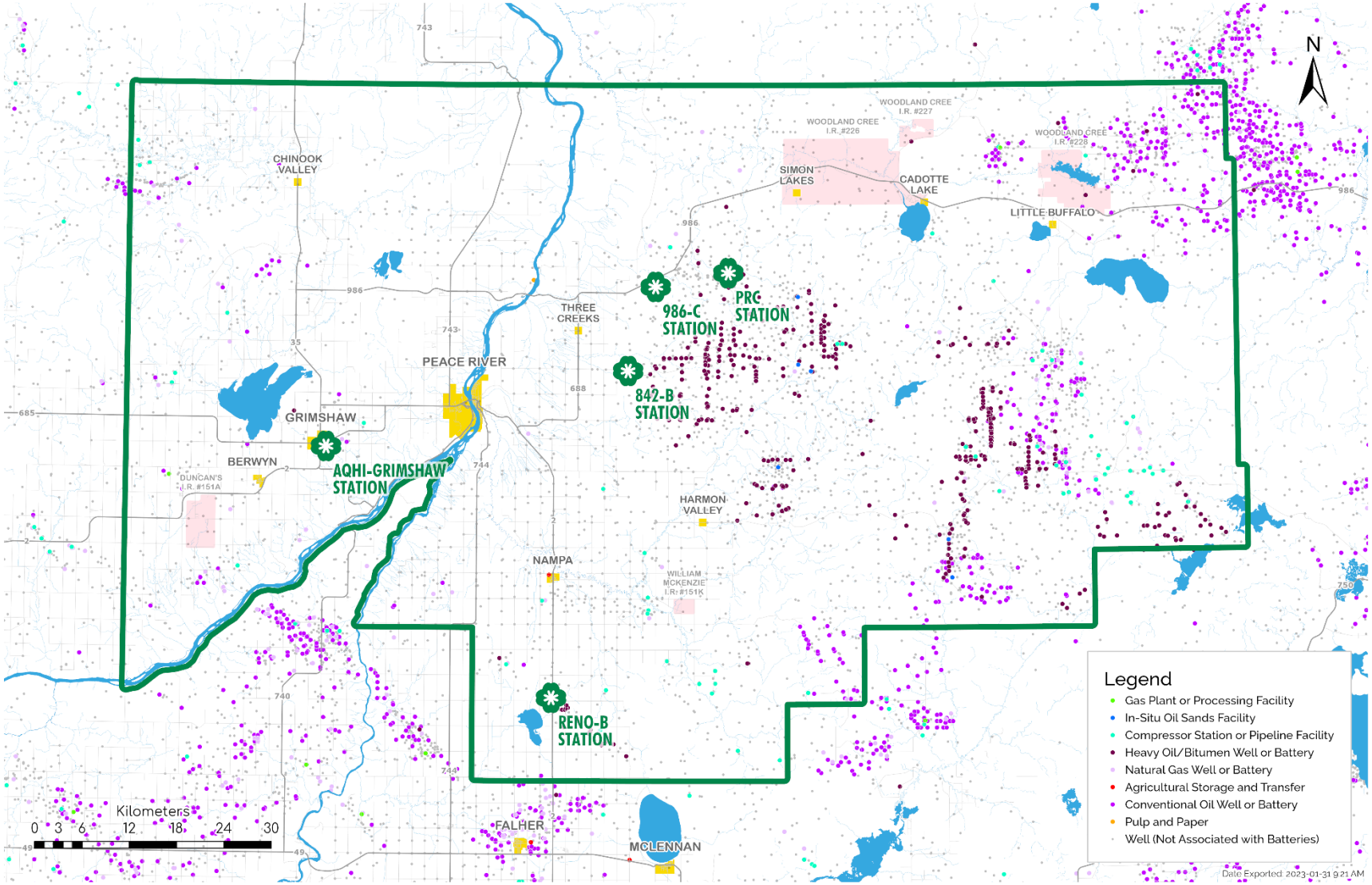
This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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

March 10, 2023

Map of PRAMP Continuous Monitoring Network



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 2.
TRS Thermo 43iQTL #1191833341	• A successful monthly calibration was performed on February 2.
THC/CH4/NMHC Thermo 55i #1433563261	• A successful monthly calibration was performed on February 2.
RH Rotronic HC2-S3 #60837897	• The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897 probe failed on January 14 and was removed from the field due to a broken connector. Troubleshooting commenced on February 1 hour 17 and February 13 at hour 17. The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897, was reinstalled on February 14. Valid AT data resumed at hour 18. However, the RH issue could not be resolved. The RH/AT sensor probe was replaced in March to correct the issue. Six hundred seventy-two hours of downtime for the RH channel were recorded
BP MetOne 092 #Y23358	• The BP sensor was checked on February 2. The sensor passed the check requirements. • The BP channel was put offline while troubleshooting was being performed on the AT/RH sensor probe on February 1, 13 and 14. Four hours of downtime were recorded as a result.
AT Rotronic HC2-S3 #60837897	• The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897 probe failed on January 14 and was removed from the field due to a broken connector. Troubleshooting commenced on February 1 hour 17 and February 13 at hour 17. The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897, was reinstalled on February 14. Valid AT data resumed at hour 18. However, the RH issue could not be resolved. The RH/AT sensor probe was replaced in March to correct the issue. Three hundred thirty hours of downtime were recorded.

Parameter	Equipment Operational Summary
ST COMET #18961918	• No operational issues were identified this month.
Precipitation RM Young 52202 #TB 16325	• The precipitation gauge was found to be non-functional; the tipping bucket and drain holes were blocked by ice on February 2. The problem could not be corrected during the visit as ambient temperatures were too low to allow the system to be de-iced. Data were invalidated back to the last known good value, which was January 23 hour 11, to February 3 hour 22 before a valid reading started being recorded. Five hundred thirty-nine and seventy-one hours of data collected in January and February were discarded, respectively.
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 5, 2022. • The anemometer sensors were check on February 2. The wind system passed the check requirements. • Both WS and WD channels were put offline while troubleshooting was being performed on the AT/RH sensor probe on February 1. One hour of downtime was recorded. • Hourly data collected between February 13 hour 17 and February 14 hour 2 and February 14 hour 12 to hour 17 were invalidated due to a bad connection causing erroneous output. Sixteen hours of downtime were recorded due to this event.

Monitored Data Summary for 986-C Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Feb 1 at hr 22	6.2	SE	0.7	Feb 24	100.0	94.8
TRS (ppb)	-	-	-	-	-	-	0.41	0.10	0.81	Feb 7 at hr 0	21.1	SW	0.60	Feb 16	100.0	94.8
THC (ppm)	-	-	-	-	-	-	2.03	1.95	2.43	Feb 24 at hr 1	12.7	SSE	2.10	Feb 24	100.0	94.8
CH4 (ppm)	-	-	-	-	-	-	2.03	1.95	2.43	Feb 24 at hr 1	12.7	SSE	2.10	Feb 24	100.0	94.8
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	17.5	N	0.00	Feb 1	100.0	94.8
RH (%)	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
BP (millibar)	-	-	-	-	-	-	936	914	963	Feb 23 at hr 5	1.7	NE	961	NA	99.4	99.4
Ext. Temp. (°C)	-	-	-	-	-	-	NA	-36.6	1.7	Feb 16 at hr 14	11.8	W	-2.0	Feb 16	50.9	50.9
Stn. Temp. (°C)	-	-	-	-	-	-	23.5	19.5	24.5	Feb 21 at hr 12	14.7	NNW	24.2	Feb 21	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	1.2	0.0	0.2	Feb 4 at hr 0	6.1	N	0.6	Feb 4	89.4	89.4
WSV (km/hr)	-	-	-	-	-	-	2.5	0.2	31.8	Feb 5 at hr 18	31.8	NNW	17.9	Feb 12	97.5	97.5
WDV (sector)	-	-	-	-	-	-	223 (SW)	-	-	-	-	-	-	-	97.5	97.5

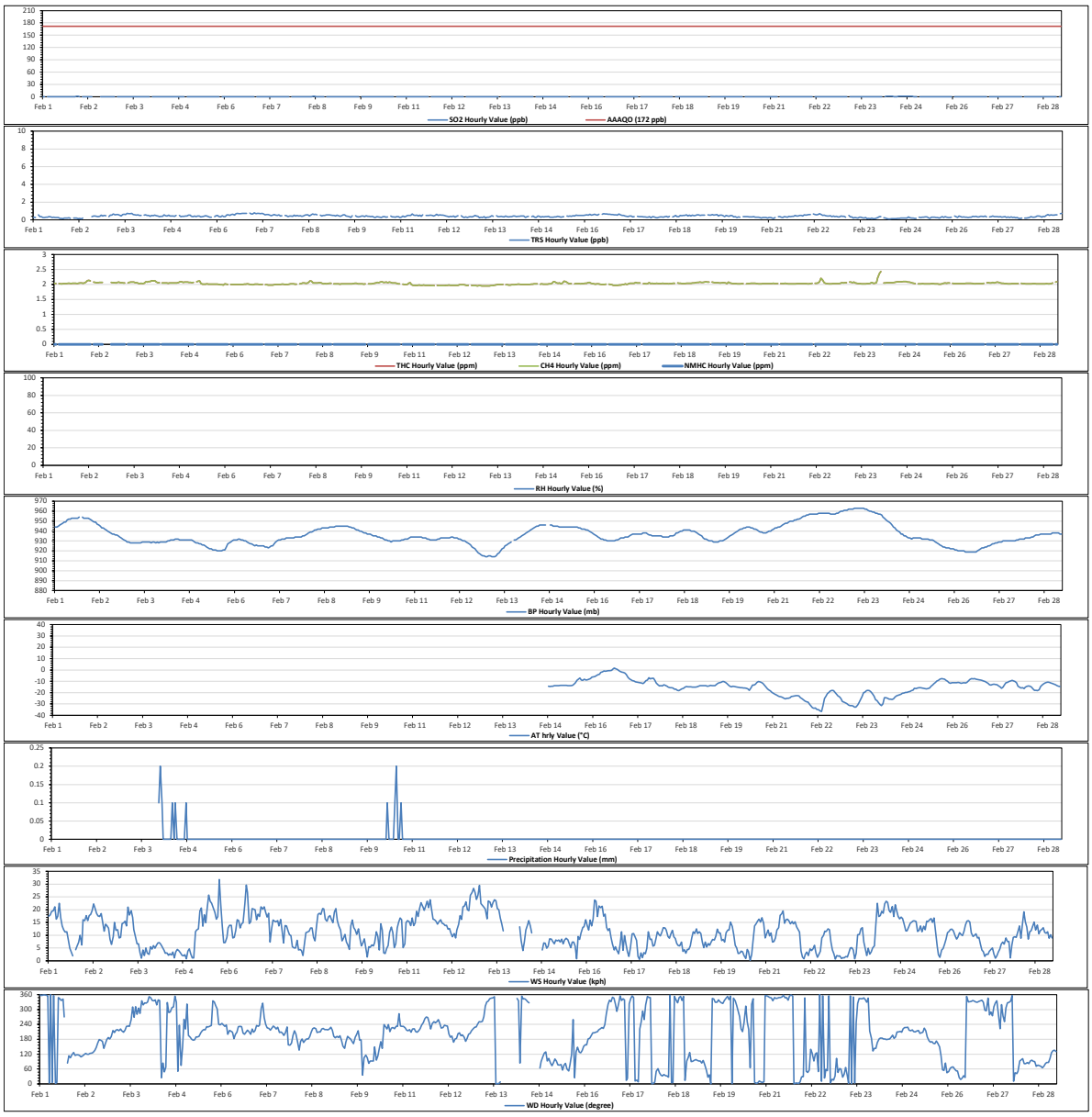
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

Timeseries Chart of Hourly Average for the month of Feb 2023 - 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.
TRS Thermo 43iQTL #1200736630	• A successful monthly calibration was performed on February 14.
THC/CH4/NMHC Thermo 55i #12208316589	• A successful monthly calibration was performed on February 14. • Maintenance was completed on the hydrogen generator on February 18.
RH Rotronic HC2-S3 #20370767	• The RH sensor was checked on February 14. The sensor passed the check requirements.
BP MetOne 092 #Y23362	• The BP sensor was checked on February 14. The sensor passed the check requirements
AT Rotronic HC2-S3 #20370767	• The temperature sensor was checked on February 14. The sensor passed the check requirements.
ST COMET #20790297	• No operational issues were identified this month.
Precipitation RM Young 52202 #TB 15878	• The precipitation gauge was found to be non-functional; the tipping bucket and drain holes were blocked by ice on February 14. The system was de-iced and tested to show correct function on February 14. Data were invalidated back to the last known good value, which was February 10 hour 15, to February 14 hour 11 the issue was corrected. Ninety-five hours of data collected were discarded.

Parameter	Equipment Operational Summary
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, 2022. • The anemometer sensors were check on February 14. Both the wind speed sensor and wind direction sensor passed the check requirements.

Monitored Data Summary for 842-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Feb 8 at hr 9	9.8	SSE	0.7	Feb 24	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.47	0.27	1.45	Feb 14 at hr 15	4.3	NW	0.67	Feb 14	100.0	94.9
THC (ppm)	-	-	-	-	-	-	2.04	1.94	2.34	Feb 22 at hr 9	3.4	ENE	2.11	Feb 4	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.04	1.94	2.34	Feb 22 at hr 9	3.4	ENE	2.11	Feb 4	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	11.6	N	0.00	Feb 1	100.0	94.9
RH (%)	-	-	-	-	-	-	77.8	35	100	Feb 4 at hr 19	1.5	S	93.5	Feb 4	100.0	100.0
BP (millibar)	-	-	-	-	-	-	935	914	962	Feb 23 at hr 7	3.5	N	959	Feb 23	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-10.1	-35.2	5.6	Feb 6 at hr 17	14.3	SSW	1.9	Feb 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.5	19.4	23.9	Feb 24 at hr 1	12.6	SSE	23.4	Feb 24	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	2.7	0.0	0.4	Feb 4 at hr 1	5	N	1.0	Feb 4	85.9	85.9
WSV (km/hr)	-	-	-	-	-	-	2.2	0.3	28.0	Feb 11 at hr 13	28	WSW	17.5	Feb 11	100.0	100.0
WDV (sector)	-	-	-	-	-	-	227 (SW)	-	-	-	-	-	-	-	100.0	100.0

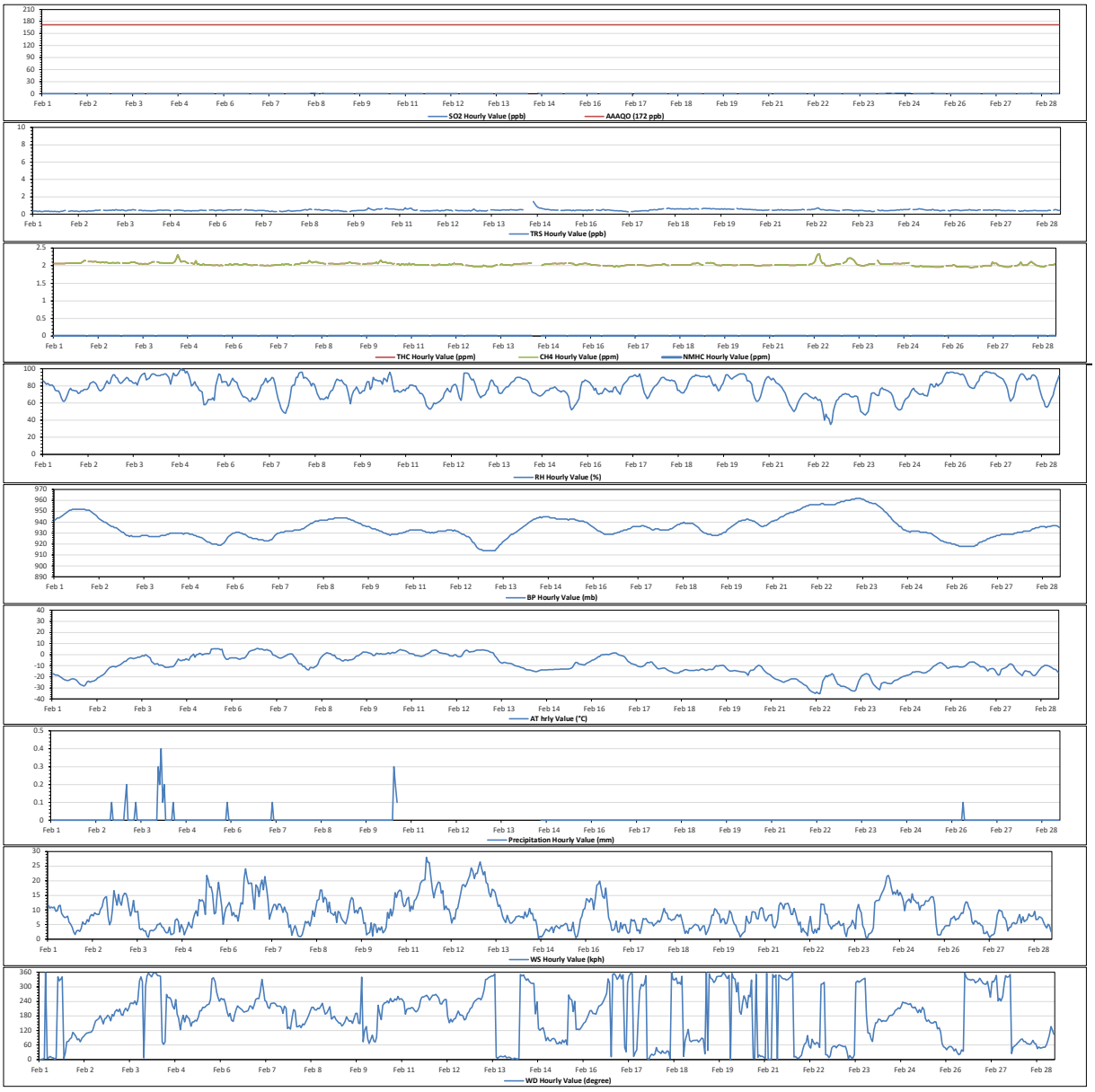
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

Timeseries Chart of Hourly Average for the month of Feb 2023 - 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 16.
TRS Thermo 43iQTL #12101910504	• A successful monthly calibration was performed on February 16.
THC/CH4/NMHC Thermo 55i #1505664392	• A successful monthly calibration was performed on February 16. • Due to collation errors, less than 75% of valid data in an hour were collected February 26 hour 4. One hour of downtime was recorded due to this event.
RH Rotronic HC2-S3 #20467597	• The RH sensor was checked on February 16. The sensor passed the check requirements.
BP MetOne 092 #A17940	• The BP sensor was checked on February 16. The sensor passed the check requirements
AT Rotronic HC2-S3 #20467597	• The temperature sensor was checked on February 16. The sensor passed the check requirements.
ST COMET #NA	• No operational issues were identified this month.
Precipitation RM Young 52202 #TB 15877	• The precipitation gauge was checked and tested on February 16. The unit passed the check requirements.
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 November 23, 2023. • The anemometer sensors were check on February 16. Both the wind speed sensor and wind direction sensor passed the check requirements.

Monitored Data Summary for Reno-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	1	Feb 2 at hr 11	16.5	SE	0.8	Feb 24	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.20	0.11	0.61	Feb 13 at hr 19	5	NNE	0.29	Feb 19	100.0	94.9
THC (ppm)	-	-	-	-	-	-	2.05	1.98	2.26	Feb 7 at hr 23	5.4	NW	2.10	Feb 23	99.9	94.8
CH4 (ppm)	-	-	-	-	-	-	2.05	1.98	2.26	Feb 7 at hr 23	5.4	NW	2.10	Feb 23	99.9	94.8
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	9	N	0.00	Feb 1	99.9	94.8
RH (%)	-	-	-	-	-	-	79.2	51	100	Feb 4 at hr 0	11.8	SSW	94.0	Feb 17	100.0	100.0
BP (millibar)	-	-	-	-	-	-	935	914	962	Feb 23 at hr 8	4.4	NNE	959	Feb 23	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-10.2	-34.0	4.9	Feb 6 at hr 17	26.8	WSW	1.3	Feb 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	23.3	22.2	24.4	Feb 16 at hr 15	25.2	W	23.9	Feb 24	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	5.1	0.0	1.7	Feb 16 at hr 20	3.6	NNE	3.1	Feb 16	100.0	99.9
WSV (km/hr)	-	-	-	-	-	-	2.1	0.3	43.0	Feb 13 at hr 1	43	WSW	22.0	Feb 13	100.0	100.0
WDV (sector)	-	-	-	-	-	-	191 (S)	-	-	-	-	-	-	-	100.0	100.0

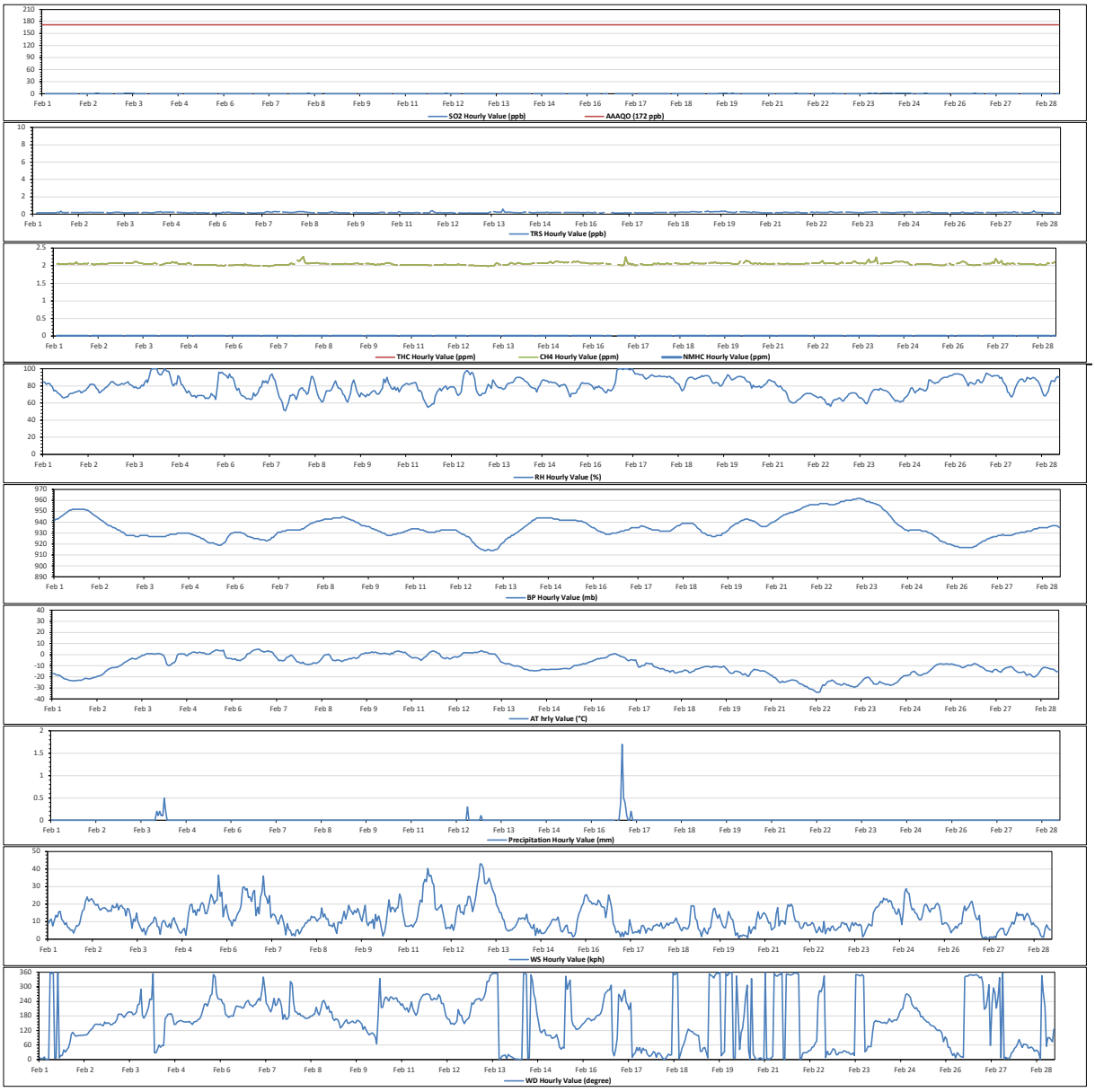
1- Date/ Time given is the first minimum and maximum value that was recorded

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

Timeseries Chart of Hourly Average for the month of Feb 2023 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Equipment Operational Summary
SO2 Thermo 43i #1034746225	• A successful monthly calibration was performed on February 1.
H2S Thermo 450i #1308857354	• A successful monthly calibration was performed on February 1.
TRS Thermo 450i #1034746224	• A successful monthly calibration was performed on February 1.
THC/CH4/NMHC Thermo 55i #1022143392	• A successful monthly calibration was performed on February 1.
RH Rotronic HC2-S3 #20558318	• The RH sensor was checked on February 1. The sensor passed the check requirements.
BP MetOne 092 #B19577	• The BP sensor was checked on February 1. The sensor passed the check requirements.
AT Rotronic HC2-S3 #20558318	• The AT sensor was checked on February 1. The sensor passed the check requirements.
ST Canadian Natural #NA	• No operational issues were identified this month.
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 17, 2023. • The anemometer sensors were check on February 1. Both the wind speed sensor and wind direction sensor passed the check requirements.

Monitored Data Summary for Peace River Complex (PRC) Station

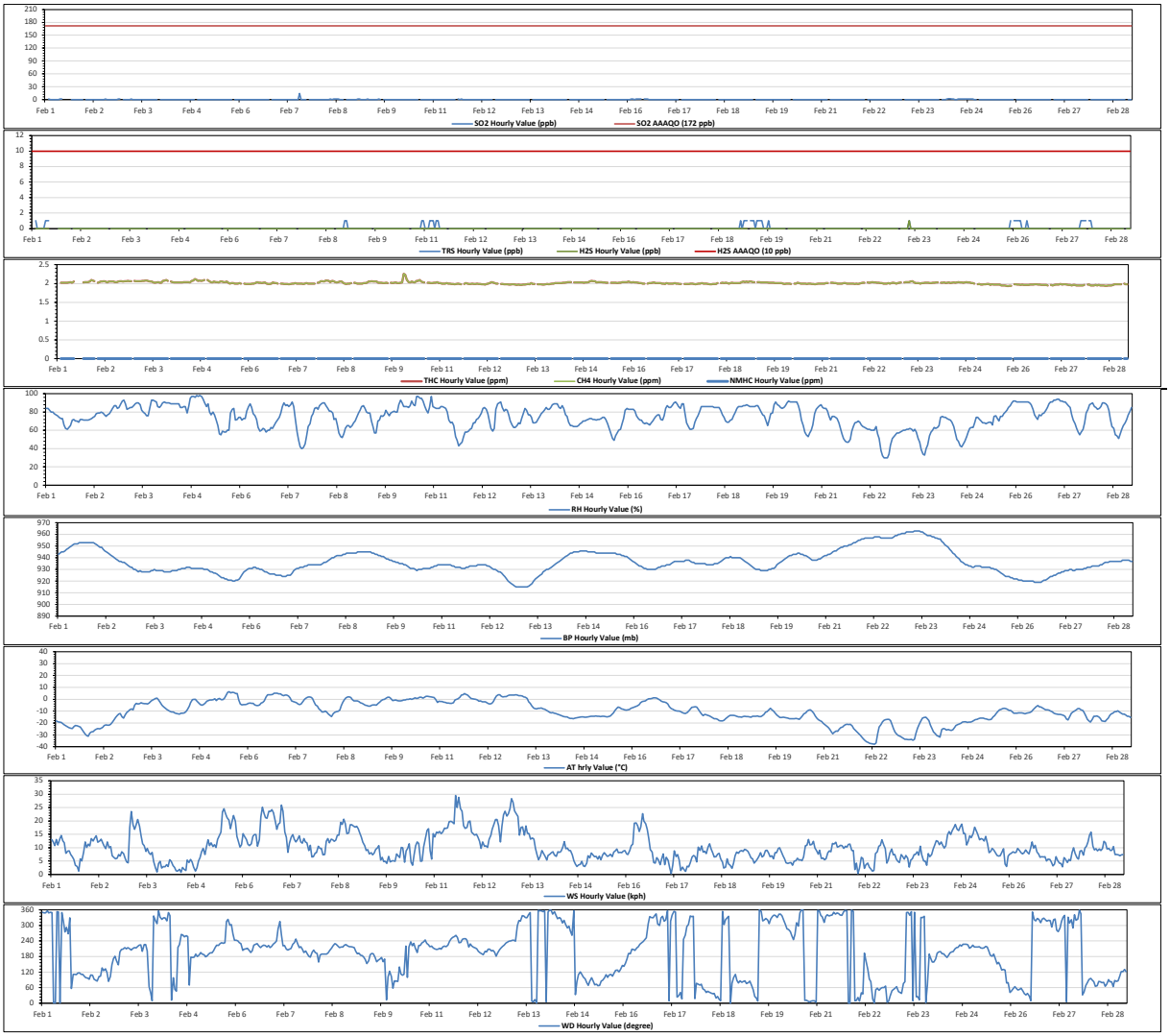
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	14	Feb 7 at hr 13	11.7	WSW	0.7	Feb 24	100.0	94.8
H2S (ppb)	10	3	-	0	0	-	0.0	0	1	Feb 23 at hr 8	6.1	N	0.0	Feb 1	100.0	94.8
TRS (ppb)	-	-	-	-	-	-	0.1	0	1	Feb 1 at hr 2	10.8	NNW	0.5	Feb 19	100.0	94.8
THC (ppm)	-	-	-	-	-	-	2.01	1.93	2.26	Feb 10 at hr 1	7	ENE	2.06	Feb 4	100.0	94.8
CH4 (ppm)	-	-	-	-	-	-	2.01	1.93	2.26	Feb 10 at hr 1	7	ENE	2.06	Feb 4	100.0	94.8
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Feb 1 at hr 0	13.1	N	0.00	Feb 1	100.0	94.8
RH (%)	-	-	-	-	-	-	74.6	30	98	Feb 4 at hr 21	6.3	S	90.4	Feb 4	100.0	100.0
BP (millibar)	-	-	-	-	-	-	936	915	963	Feb 23 at hr 7	7.1	N	960	Feb 23	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-10.6	-38.0	6.5	Feb 5 at hr 12	24.6	SW	0.8	Feb 5	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.8	19.1	25.6	Feb 10 at hr 20	17.1	SW	24.7	Feb 10	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	2.9	0.3	29.5	Feb 11 at hr 13	29.5	WSW	19.3	Feb 11	100.0	100.0
WDV (sector)	-	-	-	-	-	-	225 (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 2023 - 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 15.
TRS Teledyne T100U #132	• Communication between the analyzer and the datalogger lost on February 6 hour 6. The analyzer was reset remotely at hour 8. Three hours of downtime were recorded due to this event. • A successful monthly calibration was performed on February 15.
NOx/NO/NO2 Teledyne T200 #837	• A successful monthly calibration was performed on February 15.
O3 Teledyne T400 #824	• The monthly calibration was attempted but aborted on February 15. Although the analyzer passed the as-found points check, it failed the adjusted-high point check. Troubleshooting was performed but no issue was found. A successful monthly calibration was performed without issues on February 16. Two hours of downtime were recorded due to this event.
THC/CH4/NMHC Thermo 55i #1191032505	• A successful monthly calibration was performed on February 15. • The span gas cylinder was replaced on February 15.
PM2.5 Teledyne T640 #3189	• A successful monthly calibration was performed on February 15.
RH Vaisala HMP155 #N2910506	• No RH sensor check was completed this month due to problem with the standard.
BP MetOne 092 #A2397	• The BP sensor was checked on February 15. The sensor passed the check requirements.
AT Vaisala HMP155 #N2910506	• The AT sensor was checked on February 15. The sensor passed the check requirements.

Parameter	Equipment Operational Summary
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 July 12, 2022. • The anemometer sensors were check on February 15. Both the wind speed sensor and wind direction sensor passed the check requirements.

Monitored Data Summary for AQHI - Grimshaw Station

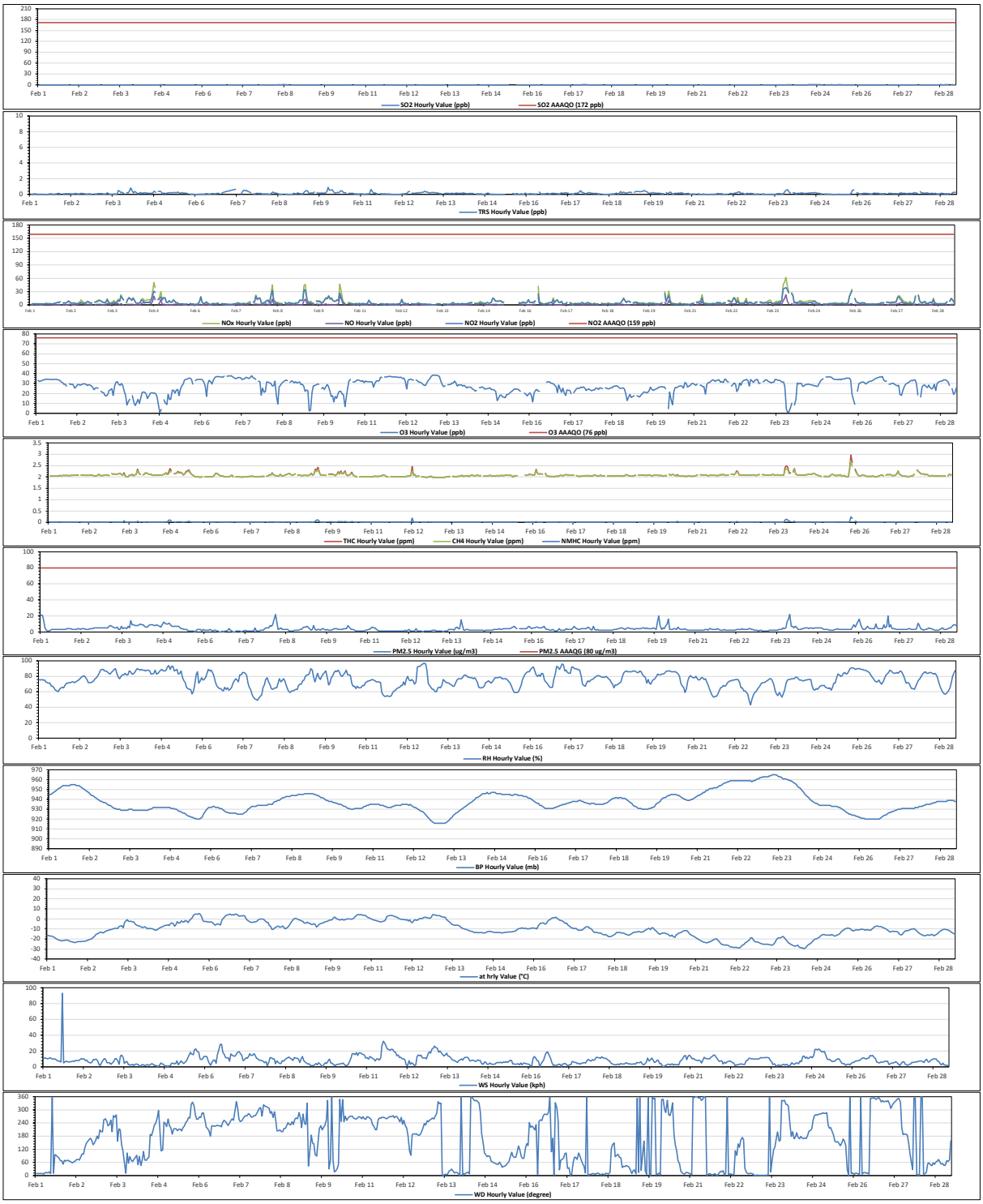
Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Feb 4 at hr 18	0.7	WNW	0.4	Feb 24	100.0	94.9
TRS (ppb)	-	-	-	-	-	-	0.14	0.00	0.89	Feb 10 at hr 0	1.2	ENE	0.34	Feb 7	99.6	94.5
NOx (ppb)	-	-	-	-	-	-	6.8	0	62	Feb 23 at hr 21	3.3	NNW	15.5	Feb 4	100.0	94.2
NO (ppb)	-	-	-	-	-	-	1.5	0	23	Feb 23 at hr 21	3.3	NNW	4.3	Feb 23	100.0	94.2
NO2 (ppb)	159	-	-	0	-	-	5.3	0	39	Feb 23 at hr 21	3.3	NNW	11.4	Feb 4	100.0	94.2
O3 (ppb)	76	-	-	0	-	-	27.5	0.9	38.6	Feb 13 at hr 2	26.1	WSW	34.3	Feb 11	99.7	94.9
THC (ppm)	-	-	-	-	-	-	2.08	1.98	2.96	Feb 25 at hr 20	3.4	N	2.15	Feb 23	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.07	1.98	2.71	Feb 25 at hr 20	3.4	N	2.13	Feb 23	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.01	0.00	0.24	Feb 25 at hr 20	3.4	N	0.02	Feb 25	100.0	94.9
PM2.5 (µg/m3)	80	29	-	0	0	-	3.9	0	22	Feb 8 at hr 4	3.9	WNW	8.7	Feb 4	100.0	99.9
RH (%)	-	-	-	-	-	-	75.2	43	97	Feb 12 at hr 18	11.5	S	87.4	Feb 4	100.0	100.0
BP (millibar)	-	-	-	-	-	-	937	916	965	Feb 23 at hr 7	11.8	N	962	Feb 23	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-10.3	-29.5	5.3	Feb 5 at hr 16	21.9	W	1.3	Feb 10	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.3	21.0	24.0	Feb 22 at hr 8	4.6	N	22.9	Feb 22	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	8.3	0.2	93.0	Feb 1 at hr 14	93	E	16.9	Feb 11	100.0	100.0
WDV (sector)	-	-	-	-	-	-	339 (NNW)	-	-	-	-	-	-	-	100.0	100.0

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

Alberta Ambient Air Quality Objectives (AAAQOs) Exceedances

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

Timeseries Chart of Hourly Average for the month of Feb 2023 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

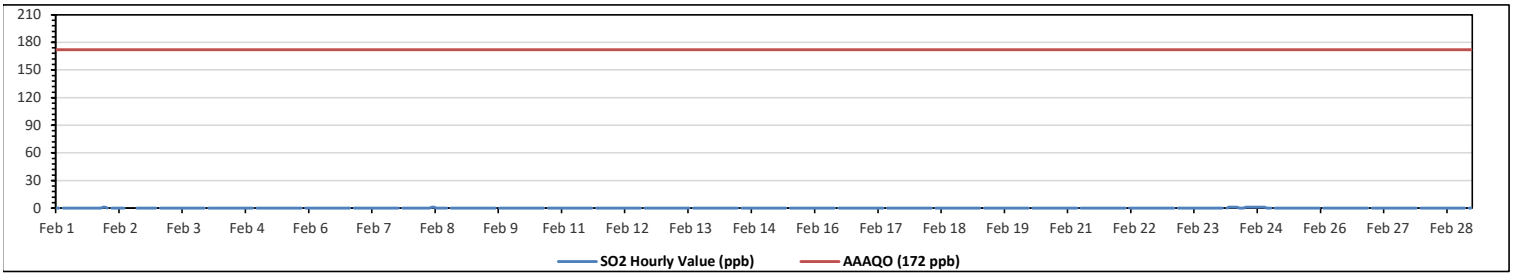
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

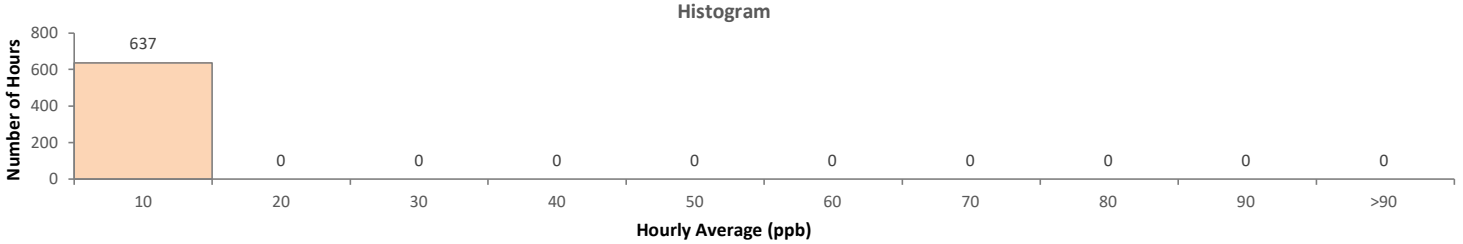
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Feb 1 at hr 22	Hours in Service:	672	
Maximum Daily Value:	0.7	ppb	on Feb 24	Hours of Data:	637	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	35	
Monthly Average:	0.0	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	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0.1
Feb 2	0	S	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 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	0	0	0	0	0	0	0	0	S	0	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	S	0	0	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	S	0	0	0	0	0	0	0.0
Feb 8	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.1
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	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 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	0	0	0	S	0	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	0	0	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	S	0	0	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	S	0	0	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	S	0	0	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	S	0	0	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	S	0	0	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	S	0	0	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	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	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0.7
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	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Feb 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Diurnal Maximum	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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

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



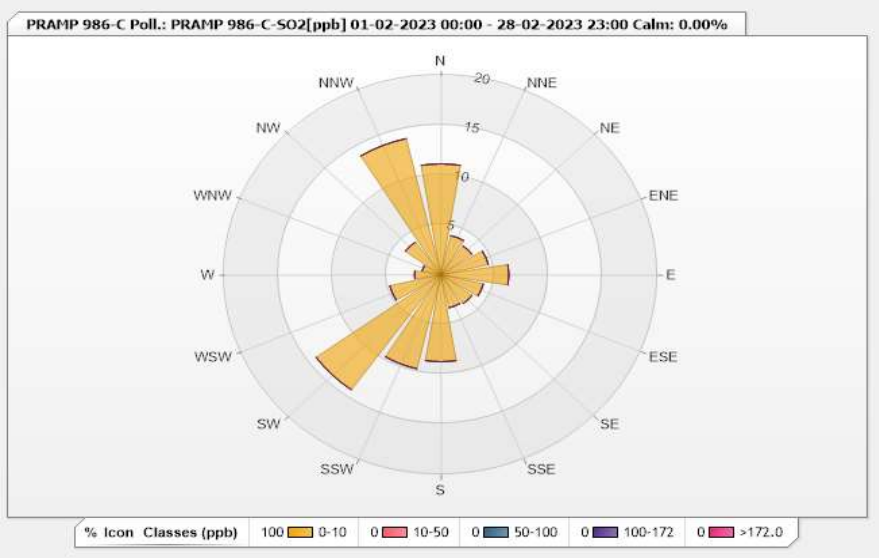


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 92.41% Calm Avg: 0.00 [ppm]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.11	0	0	0	0	11.11
NNE	4.03	0	0	0	0	4.03
NE	3.54	0	0	0	0	3.54
ENE	4.51	0	0	0	0	4.51
E	6.28	0	0	0	0	6.28
ESE	4.03	0	0	0	0	4.03
SE	3.54	0	0	0	0	3.54
SSE	3.38	0	0	0	0	3.38
S	8.7	0	0	0	0	8.7
SSW	9.66	0	0	0	0	9.66
SW	14.17	0	0	0	0	14.17
WSW	4.83	0	0	0	0	4.83
W	2.42	0	0	0	0	2.42
WNW	1.77	0	0	0	0	1.77
NW	4.03	0	0	0	0	4.03
NNW	14.01	0	0	0	0	14.01
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

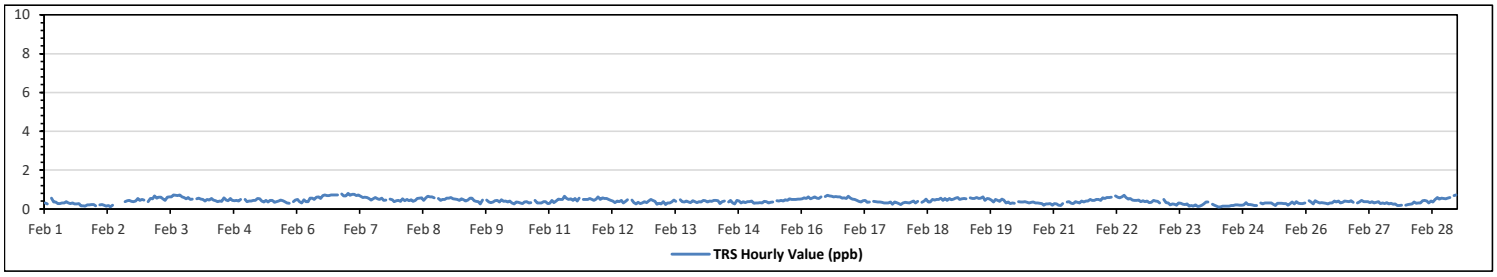
TOTAL REDUCED SULPHUR (TRS) in ppb

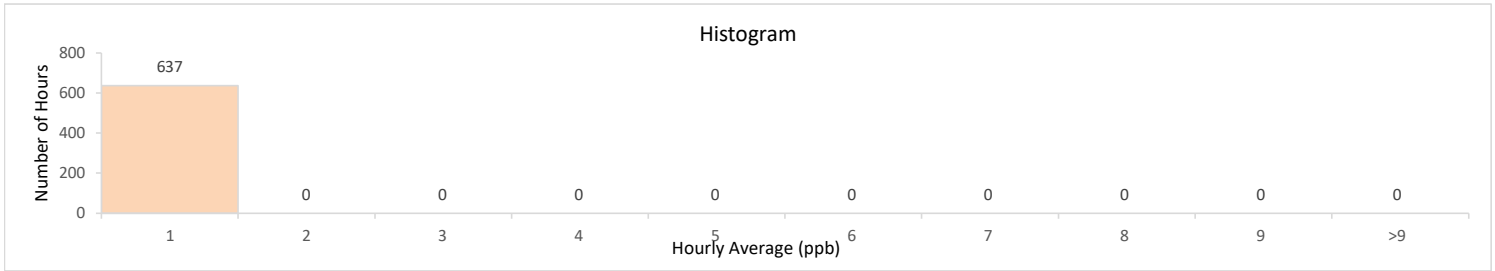
Maximum Hourly Value:	0.81	ppb	on Feb 7 at hr 0	Hours in Service:	672
Maximum Daily Value:	0.60	ppb	on Feb 16	Hours of Data:	637
Minimum Hourly Value:	0.10	ppb	on Feb 24 at hr 6	Hours of Missing Data:	0
Minimum Daily Value:	0.20	ppb	on Feb 24	Hours of Calibration:	35
Monthly Average:	0.41	ppb		Operational 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	0.31	0.26	S	0.56	0.35	0.36	0.27	0.28	0.31	0.31	0.38	0.32	0.27	0.31	0.25	0.26	0.27	0.16	0.16	0.14	0.21	0.21	0.22	0.23	0.14	0.56	0.28
Feb 2	0.16	S	0.21	0.22	0.19	0.13	0.17	0.11	0.2	C	C	C	C	C	0.37	0.42	0.45	0.39	0.37	0.4	0.54	0.44	0.5	0.46	0.11	0.54	0.32
Feb 3	S	0.38	0.53	0.52	0.68	0.55	0.6	0.6	0.52	0.45	0.6	0.63	0.61	0.71	0.7	0.69	0.71	0.61	0.58	0.52	0.58	0.48	0.51	S	0.38	0.71	0.58
Feb 4	0.52	0.56	0.51	0.48	0.41	0.48	0.46	0.53	0.46	0.42	0.38	0.41	0.39	0.57	0.46	0.42	0.53	0.44	0.42	0.44	0.41	0.49	S	0.5	0.38	0.57	0.46
Feb 5	0.38	0.41	0.4	0.44	0.43	0.53	0.52	0.4	0.36	0.43	0.36	0.43	0.43	0.34	0.38	0.41	0.46	0.42	0.38	0.31	0.29	S	0.37	0.46	0.29	0.53	0.41
Feb 6	0.5	0.38	0.32	0.47	0.38	0.38	0.55	0.55	0.5	0.6	0.63	0.53	0.69	0.71	0.69	0.69	0.72	0.73	0.73	0.71	S	0.77	0.66	0.66	0.32	0.77	0.59
Feb 7	**0.81**	0.7	0.75	0.75	0.69	0.71	0.65	0.58	0.6	0.59	0.53	0.46	0.52	0.59	0.52	0.48	0.56	0.43	0.46	S	0.51	0.47	0.37	0.42	0.37	**0.81**	0.57
Feb 8	0.43	0.39	0.52	0.42	0.49	0.42	0.47	0.39	0.43	0.54	0.55	0.57	0.45	0.57	0.65	0.61	0.62	0.57	S	0.53	0.44	0.5	0.49	0.56	0.39	0.65	0.50
Feb 9	0.56	0.58	0.52	0.51	0.49	0.45	0.52	0.47	0.4	0.46	0.56	0.56	0.42	0.39	0.37	0.26	0.46	S	0.46	0.35	0.33	0.35	0.42	0.43	0.26	0.58	0.45
Feb 10	0.36	0.47	0.39	0.4	0.35	0.4	0.3	0.26	0.36	0.34	0.3	0.28	0.36	0.38	0.31	0.33	S	0.43	0.32	0.32	0.3	0.38	0.37	0.28	0.26	0.47	0.35
Feb 11	0.29	0.43	0.33	0.41	0.51	0.48	0.49	0.65	0.54	0.48	0.52	0.45	0.54	0.41	0.56	S	0.5	0.48	0.48	0.54	0.49	0.43	0.51	0.62	0.29	0.65	0.48
Feb 12	0.5	0.57	0.53	0.53	0.48	0.43	0.41	0.33	0.41	0.37	0.45	0.31	0.39	0.47	S	0.46	0.33	0.26	0.34	0.28	0.32	0.38	0.33	0.41	0.26	0.57	0.40
Feb 13	0.48	0.45	0.39	0.24	0.29	0.25	0.37	0.22	0.3	0.3	0.35	0.46	0.39	S	0.47	0.38	0.36	0.41	0.36	0.33	0.42	0.37	0.33	0.38	0.22	0.48	0.36
Feb 14	0.36	0.43	0.42	0.36	0.4	0.39	0.43	0.43	0.42	0.28	0.37	0.4	S	0.36	0.43	0.3	0.26	0.45	0.4	0.31	0.37	0.33	0.38	0.38	0.26	0.45	0.38
Feb 15	0.41	0.29	0.31	0.31	0.33	0.32	0.39	0.37	0.31	0.34	0.35	S	0.42	0.4	0.43	0.4	0.47	0.45	0.52	0.49	0.48	0.48	0.51	0.51	0.29	0.52	0.40
Feb 16	0.52	0.57	0.54	0.63	0.52	0.57	0.63	0.55	0.54	0.63	S	0.64	0.7	0.68	0.65	0.63	0.64	0.61	0.61	0.55	0.57	0.53	0.65	0.55	0.52	0.70	**0.60**
Feb 17	0.51	0.49	0.43	0.39	0.35	0.42	0.44	0.34	0.35	S	0.39	0.37	0.35	0.36	0.34	0.32	0.3	0.3	0.36	0.24	0.35	0.33	0.28	0.23	0.23	0.51	0.36
Feb 18	0.31	0.34	0.33	0.31	0.35	0.4	0.31	0.39	S	0.34	0.4	0.51	0.36	0.36	0.49	0.46	0.48	0.5	0.55	0.44	0.53	0.45	0.54	0.47	0.31	0.55	0.42
Feb 19	0.51	0.55	0.58	0.49	0.52	0.53	0.52	S	0.57	0.53	0.53	0.59	0.53	0.55	0.61	0.45	0.54	0.52	0.46	0.36	0.48	0.44	0.39	0.51	0.36	0.61	0.51
Feb 20	0.46	0.32	0.36	0.28	0.32	0.29	S	0.38	0.35	0.36	0.38	0.34	0.32	0.34	0.36	0.3	0.3	0.29	0.28	0.19	0.26	0.26	0.27	0.2	0.19	0.46	0.31
Feb 21	0.28	0.25	0.2	0.18	0.28	S	0.35	0.37	0.29	0.27	0.38	0.34	0.31	0.41	0.35	0.4	0.41	0.49	0.44	0.45	0.49	0.49	0.45	0.57	0.18	0.57	0.37
Feb 22	0.54	0.58	0.59	0.6	S	0.68	0.6	0.57	0.61	0.7	0.59	0.51	0.53	0.46	0.45	0.45	0.46	0.38	0.42	0.38	0.4	0.33	0.34	0.43	0.33	0.70	0.50
Feb 23	0.4	0.39	0.3	S	0.48	0.33	0.32	0.21	0.26	0.24	0.19	0.3	0.29	0.24	0.22	0.26	0.15	0.18	0.14	0.21	0.12	0.14	0.19	0.25	0.12	0.48	0.25
Feb 24	0.35	0.36	S	0.24	0.2	0.15	0.1	0.11	0.15	0.14	0.14	0.15	0.17	0.18	0.21	0.21	0.2	0.2	0.21	0.33	0.23	0.22	0.21	0.17	0.10	0.36	0.20
Feb 25	0.18	S	0.3	0.26	0.3	0.31	0.32	0.32	0.24	0.17	0.29	0.29	0.29	0.27	0.28	0.2	0.27	0.35	0.25	0.37	0.29	0.28	0.27	0.3	0.17	0.37	0.28
Feb 26	S	0.42	0.35	0.25	0.42	0.35	0.3	0.33	0.31	0.29	0.26	0.3	0.31	0.4	0.35	0.41	0.32	0.34	0.4	0.39	0.38	0.42	0.34	S	0.25	0.42	0.35
Feb 27	0.32	0.36	0.43	0.38	0.37	0.38	0.33	0.38	0.31	0.34	0.37	0.28	0.32	0.28	0.33	0.25	0.29	0.24	0.25	0.17	0.18	0.19	S	0.2	0.17	0.43	0.30
Feb 28	0.22	0.24	0.26	0.35	0.29	0.31	0.32	0.42	0.43	0.41	0.31	0.4	0.35	0.49	0.59	0.51	0.55	0.53	0.52	0.55	0.58	S	0.69	0.72	0.22	0.72	0.44
Diurnal Maximum	0.81	0.70	0.75	0.75	0.69	0.71	0.65	0.65	0.61	0.70	0.63	0.64	0.70	0.71	0.70	0.69	0.72	0.73	0.73	0.71	0.58	0.77	0.69	0.72			
Diurnal Average	0.41	0.43	0.42	0.41	0.40	0.41	0.41	0.39	0.39	0.40	0.41	0.42	0.41	0.43	0.44	0.41	0.43	0.41	0.40	0.38	0.39	0.39	0.41	0.42			

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.



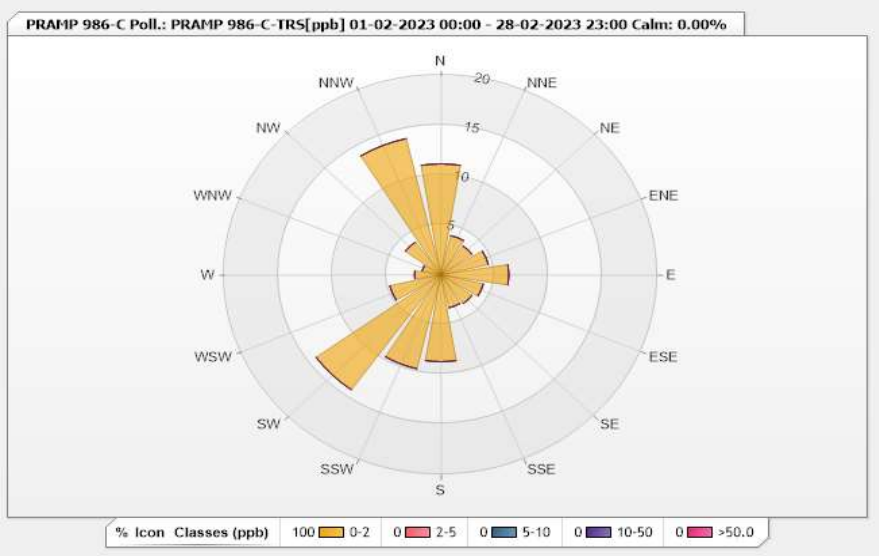


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 92.41% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.11	0	0	0	0	11.11
NNE	4.03	0	0	0	0	4.03
NE	3.54	0	0	0	0	3.54
ENE	4.51	0	0	0	0	4.51
E	6.28	0	0	0	0	6.28
ESE	4.03	0	0	0	0	4.03
SE	3.54	0	0	0	0	3.54
SSE	3.38	0	0	0	0	3.38
S	8.7	0	0	0	0	8.7
SSW	9.66	0	0	0	0	9.66
SW	14.17	0	0	0	0	14.17
WSW	4.83	0	0	0	0	4.83
W	2.42	0	0	0	0	2.42
WNW	1.77	0	0	0	0	1.77
NW	4.03	0	0	0	0	4.03
NNW	14.01	0	0	0	0	14.01
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

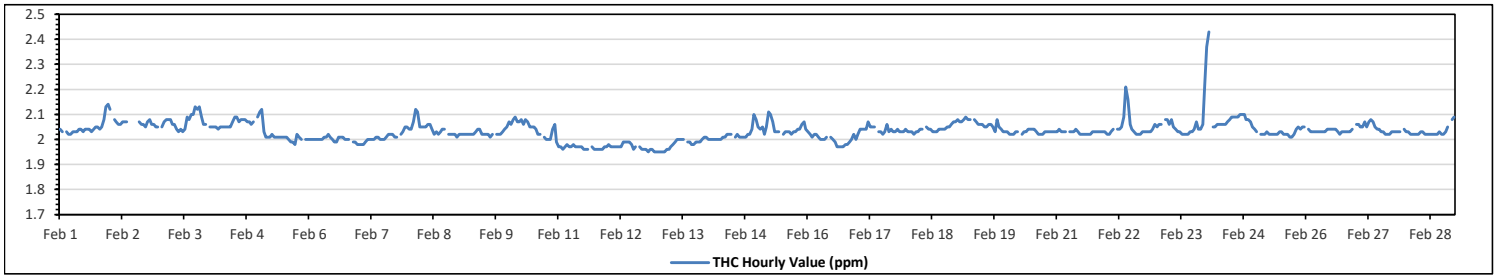
TOTAL HYDROCARBONS (THC) in ppm

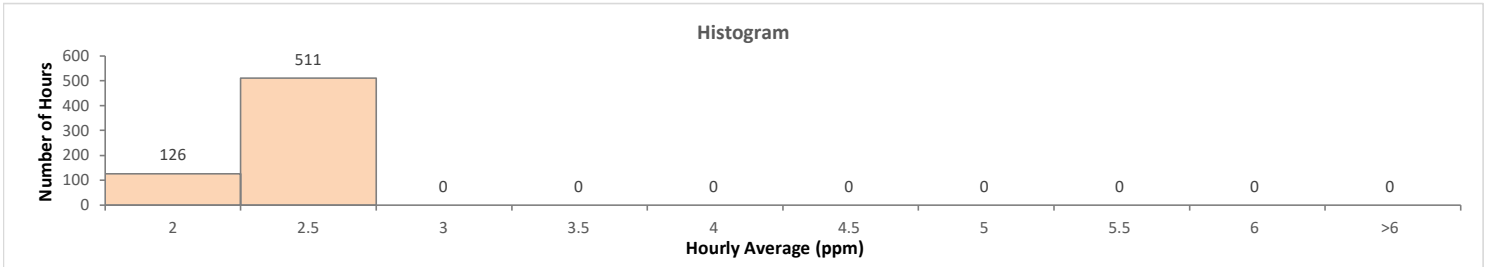
Maximum Hourly Value:	2.43	ppm	on Feb 24 at hr 1	Hours in Service:	672
Maximum Daily Value:	2.10	ppm	on Feb 24	Hours of Data:	637
Minimum Hourly Value:	1.95	ppm	on Feb 12 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Feb 11	Hours of Calibration:	35
Monthly Average:	2.03	ppm		Operational 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	2.04	2.03	S	2.03	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.03	2.04	2.04	2.04	2.03	2.04	2.05	2.05	2.04	2.05	2.08	2.13	2.14	2.02	2.14	2.05
Feb 2	2.12	S	2.08	2.07	2.06	2.06	2.07	2.07	2.07	C	C	C	C	C	2.07	2.06	2.06	2.05	2.07	2.08	2.06	2.06	2.05	2.05	2.05	2.12	2.07
Feb 3	S	2.05	2.07	2.08	2.08	2.08	2.06	2.06	2.04	2.03	2.04	2.03	2.04	2.09	2.08	2.10	2.10	2.13	2.12	2.13	2.09	2.06	2.06	S	2.03	2.13	2.07
Feb 4	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.07	2.09	2.09	2.07	2.08	2.08	2.08	2.07	2.07	2.06	2.07	S	2.09	2.04	2.09	2.06
Feb 5	2.11	2.12	2.03	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.98	2.02	2.01	2.00	S	2.00	2.00	1.98	2.12	2.02
Feb 6	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	1.99	1.99	2.01	2.01	2.01	2.00	2.00	2.00	S	1.99	1.99	1.98	1.98	2.02	2.00
Feb 7	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	2.01	2.01	2.00	2.00	2.00	2.01	2.02	2.02	2.02	2.01	2.01	S	2.02	2.03	2.05	2.05	1.98	2.05	2.01
Feb 8	2.04	2.04	2.07	2.12	2.11	2.05	2.05	2.05	2.05	2.06	2.06	2.04	2.02	2.03	2.02	2.03	2.04	2.04	S	2.02	2.02	2.02	2.02	2.01	2.01	2.12	2.04
Feb 9	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.04	2.02	2.02	2.02	2.02	2.01	2.02	S	2.02	2.02	2.02	2.03	2.04	2.05	2.01	2.05	2.02
Feb 10	2.07	2.06	2.08	2.09	2.07	2.07	2.08	2.06	2.08	2.07	2.05	2.05	2.05	2.04	2.02	2.02	S	2.01	2.00	2.00	2.00	2.04	2.06	1.99	1.99	2.09	2.05
Feb 11	1.97	1.97	1.96	1.97	1.98	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.96	1.96	1.96	S	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.98	1.97
Feb 12	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.99	1.99	1.99	1.99	1.98	1.96	1.97	S	1.97	1.96	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.99	1.97
Feb 13	1.95	1.95	1.95	1.95	1.96	1.96	1.97	1.98	1.99	2.00	2.00	2.00	2.00	S	1.99	1.99	1.98	1.98	1.99	1.99	1.99	2.00	2.01	2.01	1.95	2.01	1.98
Feb 14	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.02	2.02	S	2.01	2.02	2.01	2.01	2.01	2.01	2.02	2.02	2.04	2.10	2.08	2.00	2.10	2.02
Feb 15	2.05	2.04	2.05	2.02	2.05	2.11	2.10	2.07	2.03	2.03	2.03	S	2.02	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.04	2.06	2.07	2.04	2.02	2.11	2.04
Feb 16	2.03	2.02	2.01	2.02	2.02	2.01	2.00	2.00	2.00	2.01	S	2.01	2.00	1.99	1.97	1.97	1.97	1.97	1.98	1.98	1.99	2.00	2.02	2.00	1.97	2.03	2.00
Feb 17	2.02	2.04	2.04	2.04	2.04	2.07	2.05	2.05	2.05	S	2.03	2.03	2.02	2.03	2.06	2.03	2.04	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.02	2.07	2.04
Feb 18	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.04	S	2.05	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.06	2.07	2.07	2.02	2.07	2.04
Feb 19	2.08	2.07	2.07	2.08	2.09	2.08	2.08	S	2.08	2.07	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.05	2.03	2.08	2.05	2.04	2.03	2.03	2.03	2.09	2.06
Feb 20	2.03	2.02	2.02	2.02	2.03	2.03	S	2.02	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.04	2.03
Feb 21	2.03	2.04	2.03	2.03	2.03	S	2.03	2.03	2.03	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.04	2.03
Feb 22	2.02	2.02	2.03	2.04	S	2.04	2.04	2.05	2.09	2.21	2.16	2.06	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.06	2.02	2.21	2.05
Feb 23	2.05	2.06	2.06	S	2.08	2.08	2.06	2.08	2.05	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.03	2.03	2.04	2.07	2.04	2.04	2.06	2.22	2.02	2.22	2.05
Feb 24	2.37	**2.43**	S	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.07	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.08	2.08	2.07	2.05	2.04	2.04	**2.43**	**2.10**
Feb 25	2.03	S	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.02	2.04	2.05	2.04	2.05	2.05	2.01	2.05	2.03
Feb 26	S	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.04	S	2.02	2.04	2.03
Feb 27	2.06	2.06	2.05	2.05	2.07	2.05	2.07	2.08	2.07	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	S	2.04	2.02	2.08	2.04
Feb 28	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.03	2.05	S	2.08	2.09	2.02	2.09	2.03
Diurnal Maximum	2.37	2.43	2.08	2.12	2.11	2.11	2.10	2.08	2.09	2.21	2.16	2.08	2.09	2.09	2.09	2.10	2.10	2.13	2.12	2.13	2.09	2.08	2.13	2.22			
Diurnal Average	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04			

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.



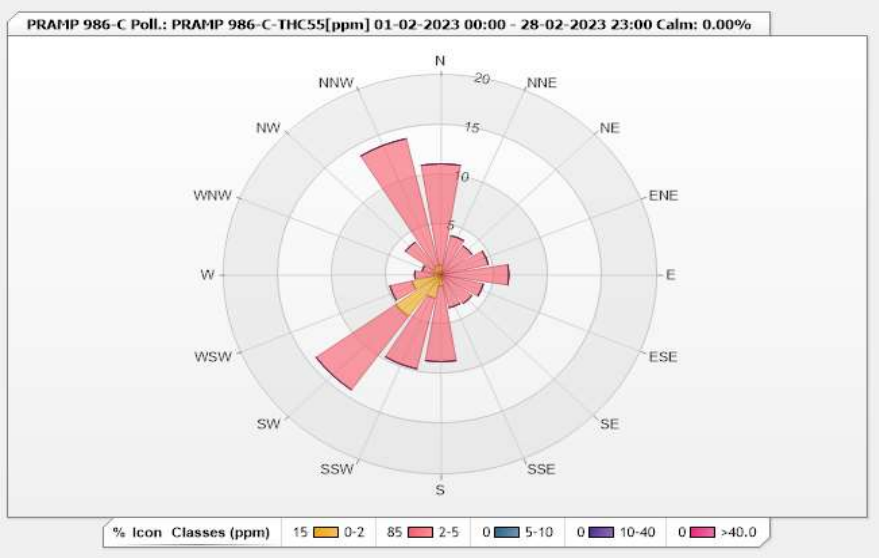


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 92.41% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0.97	10.14	0	0	0	11.11
NNE	0	4.03	0	0	0	4.03
NE	0	3.54	0	0	0	3.54
ENE	0	4.51	0	0	0	4.51
E	0	6.28	0	0	0	6.28
ESE	0	4.03	0	0	0	4.03
SE	0	3.54	0	0	0	3.54
SSE	0	3.38	0	0	0	3.38
S	1.13	7.57	0	0	0	8.7
SSW	2.42	7.25	0	0	0	9.67
SW	5.15	9.02	0	0	0	14.17
WSW	2.74	2.09	0	0	0	4.83
W	0.64	1.77	0	0	0	2.41
WNW	0.16	1.61	0	0	0	1.77
NW	0.81	3.22	0	0	0	4.03
NNW	0.97	13.04	0	0	0	14.01
Summary	14.99	85.02	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

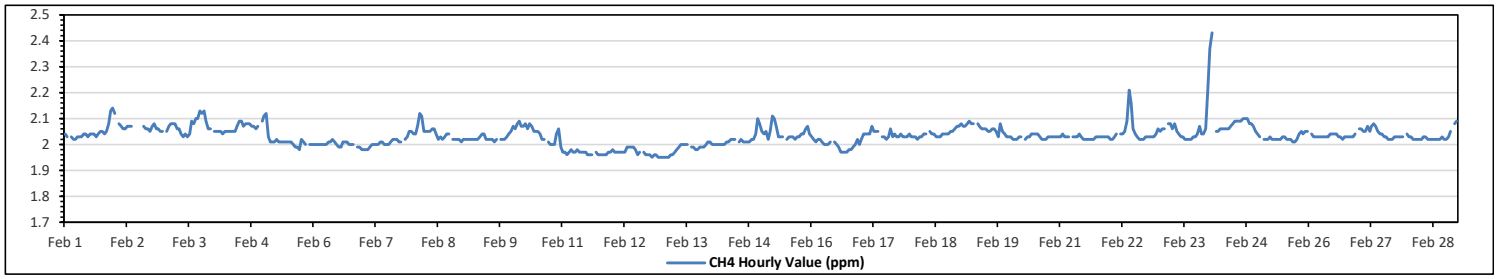
METHANE (CH4) in ppm

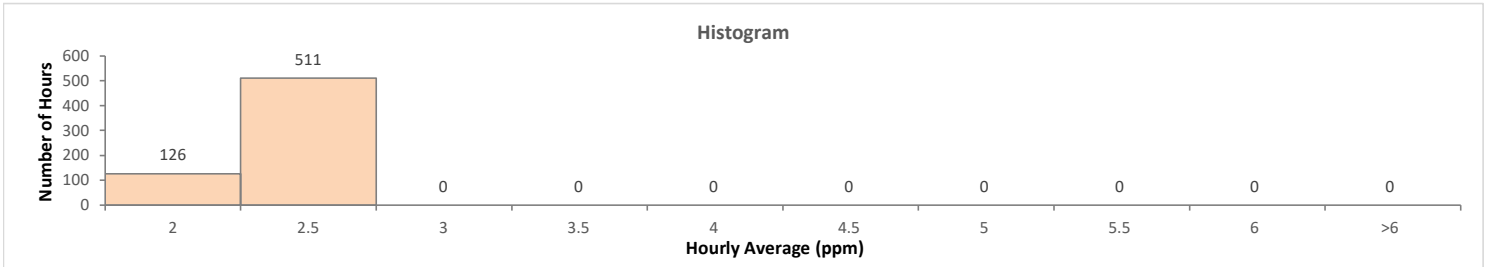
Maximum Hourly Value:	2.43	ppm	on Feb 24 at hr 1	Hours in Service:	672
Maximum Daily Value:	2.10	ppm	on Feb 24	Hours of Data:	637
Minimum Hourly Value:	1.95	ppm	on Feb 12 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Feb 11	Hours of Calibration:	35
Monthly Average:	2.03	ppm		Operational 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	2.04	2.03	S	2.03	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.03	2.04	2.04	2.04	2.03	2.04	2.05	2.05	2.04	2.05	2.08	2.13	2.14	2.02	2.14	2.05
Feb 2	2.12	S	2.08	2.07	2.06	2.06	2.07	2.07	2.07	C	C	C	C	C	2.07	2.06	2.06	2.05	2.07	2.08	2.06	2.06	2.05	2.05	2.05	2.12	2.07
Feb 3	S	2.05	2.07	2.08	2.08	2.08	2.06	2.06	2.04	2.03	2.04	2.03	2.04	2.09	2.08	2.10	2.10	2.13	2.12	2.13	2.09	2.06	2.06	S	2.03	2.13	2.07
Feb 4	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.07	2.09	2.09	2.07	2.08	2.08	2.08	2.07	2.07	2.06	2.07	S	2.09	2.04	2.09	2.06
Feb 5	2.11	2.12	2.03	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.98	2.02	2.01	2.00	S	2.00	2.00	1.98	2.12	2.02
Feb 6	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	1.99	1.99	2.01	2.01	2.01	2.00	2.00	2.00	S	1.99	1.99	1.98	1.98	2.02	2.00
Feb 7	1.98	1.98	1.98	1.99	2.00	2.00	2.00	2.00	2.01	2.01	2.00	2.00	2.00	2.01	2.02	2.02	2.02	2.01	2.01	S	2.02	2.03	2.05	2.05	1.98	2.05	2.01
Feb 8	2.04	2.04	2.07	2.12	2.11	2.05	2.05	2.05	2.05	2.06	2.06	2.04	2.02	2.03	2.02	2.03	2.04	2.04	S	2.02	2.02	2.02	2.02	2.01	2.01	2.12	2.04
Feb 9	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.04	2.02	2.02	2.02	2.02	2.01	2.02	S	2.02	2.02	2.02	2.03	2.04	2.05	2.01	2.05	2.02
Feb 10	2.07	2.06	2.08	2.09	2.07	2.07	2.08	2.06	2.08	2.07	2.05	2.05	2.05	2.04	2.02	2.02	S	2.01	2.00	2.00	2.00	2.04	2.06	1.99	1.99	2.09	2.05
Feb 11	1.97	1.97	1.96	1.97	1.98	1.97	1.97	1.98	1.97	1.97	1.97	1.97	1.96	1.96	1.96	S	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.96	1.98	1.97
Feb 12	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.99	1.99	1.99	1.99	1.98	1.96	1.97	S	1.97	1.96	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.99	1.97
Feb 13	1.95	1.95	1.95	1.95	1.96	1.96	1.97	1.98	1.99	2.00	2.00	2.00	2.00	S	1.99	1.99	1.98	1.98	1.99	1.99	1.99	2.00	2.01	2.01	1.95	2.01	1.98
Feb 14	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.02	2.02	S	2.01	2.02	2.01	2.01	2.01	2.01	2.02	2.02	2.04	2.10	2.08	2.00	2.10	2.02
Feb 15	2.05	2.04	2.05	2.02	2.05	2.11	2.10	2.07	2.03	2.03	2.03	S	2.02	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.04	2.06	2.07	2.04	2.02	2.11	2.04
Feb 16	2.03	2.02	2.01	2.02	2.02	2.01	2.00	2.00	2.00	2.01	S	2.01	2.00	1.99	1.97	1.97	1.97	1.97	1.98	1.98	1.99	2.00	2.02	2.00	1.97	2.03	2.00
Feb 17	2.02	2.04	2.04	2.04	2.04	2.07	2.05	2.05	2.05	S	2.03	2.03	2.02	2.03	2.06	2.03	2.04	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.02	2.07	2.04
Feb 18	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.04	S	2.05	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.05	2.05	2.06	2.07	2.07	2.02	2.07	2.04
Feb 19	2.08	2.07	2.07	2.08	2.09	2.08	2.08	S	2.08	2.07	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.05	2.03	2.08	2.05	2.04	2.03	2.03	2.03	2.09	2.06
Feb 20	2.03	2.02	2.02	2.02	2.03	2.03	S	2.02	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.04	2.03
Feb 21	2.03	2.04	2.03	2.03	2.03	S	2.03	2.03	2.03	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.04	2.03
Feb 22	2.02	2.02	2.03	2.04	S	2.04	2.04	2.05	2.09	2.21	2.16	2.06	2.04	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.06	2.02	2.21	2.05
Feb 23	2.05	2.06	2.06	S	2.08	2.08	2.06	2.08	2.05	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.03	2.03	2.04	2.07	2.04	2.04	2.06	2.22	2.02	2.22	2.05
Feb 24	2.37	**2.43**	S	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.07	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.08	2.08	2.07	2.05	2.04	2.04	**2.43**	**2.10**
Feb 25	2.03	S	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.02	2.04	2.05	2.04	2.05	2.05	2.01	2.05	2.03
Feb 26	S	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.04	S	2.02	2.04	2.03
Feb 27	2.06	2.06	2.05	2.05	2.07	2.05	2.07	2.08	2.07	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	S	2.04	2.02	2.08	2.04
Feb 28	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.03	2.05	S	2.08	2.09	2.02	2.09	2.03
Diurnal Maximum	2.37	2.43	2.08	2.12	2.11	2.11	2.10	2.08	2.09	2.21	2.16	2.08	2.09	2.09	2.09	2.10	2.10	2.13	2.12	2.13	2.09	2.08	2.13	2.22			
Diurnal Average	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04			

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.



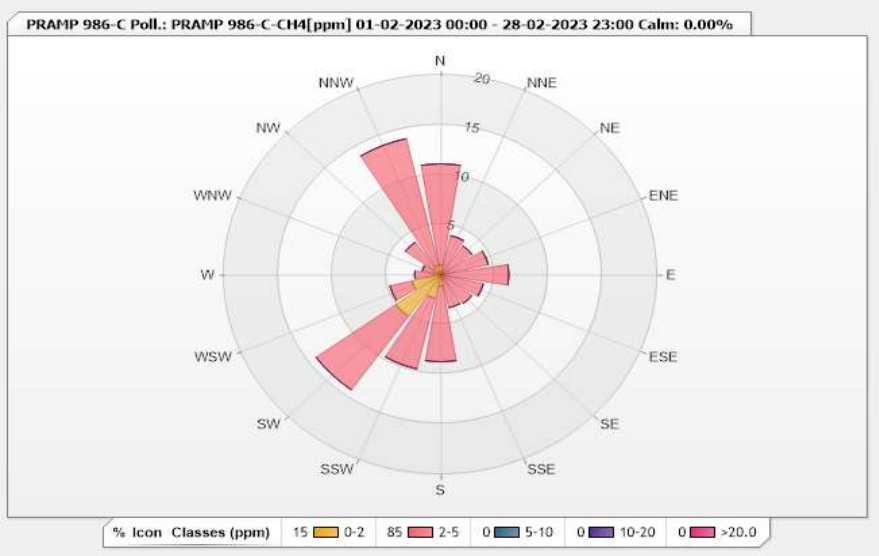


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 92.41% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0.97	10.14	0	0	0	11.11
NNE	0	4.03	0	0	0	4.03
NE	0	3.54	0	0	0	3.54
ENE	0	4.51	0	0	0	4.51
E	0	6.28	0	0	0	6.28
ESE	0	4.03	0	0	0	4.03
SE	0	3.54	0	0	0	3.54
SSE	0	3.38	0	0	0	3.38
S	1.13	7.57	0	0	0	8.7
SSW	2.42	7.25	0	0	0	9.67
SW	5.15	9.02	0	0	0	14.17
WSW	2.74	2.09	0	0	0	4.83
W	0.64	1.77	0	0	0	2.41
WNW	0.16	1.61	0	0	0	1.77
NW	0.81	3.22	0	0	0	4.03
NNW	0.97	13.04	0	0	0	14.01
Summary	14.99	85.02	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

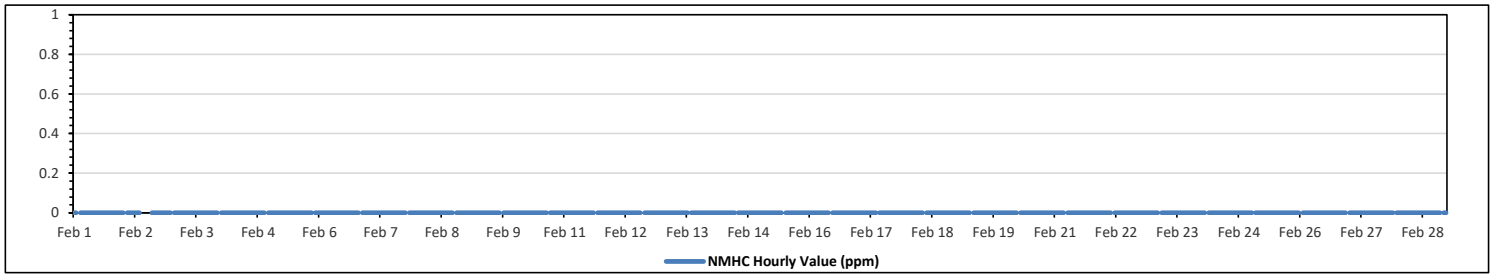
NON-METHANE HYDROCARBONS (NMHC) in ppm

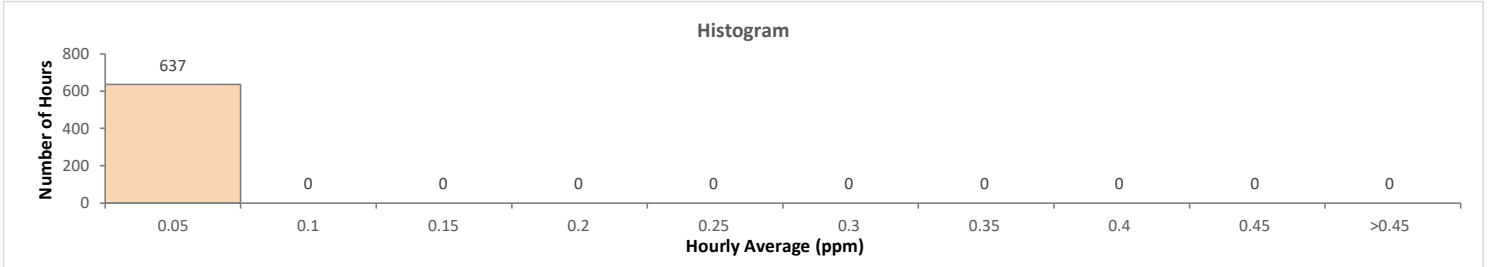
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	672	
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	637	
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	35	
Monthly Average:	0.00	ppm		Operational 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	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 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	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 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
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.



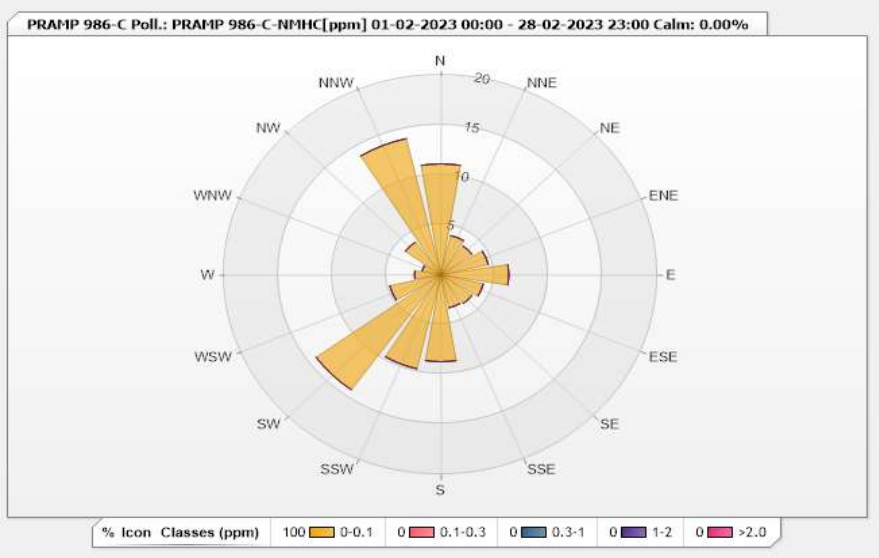


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 92.41% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	11.11	0	0	0	0	11.11
NNE	4.03	0	0	0	0	4.03
NE	3.54	0	0	0	0	3.54
ENE	4.51	0	0	0	0	4.51
E	6.28	0	0	0	0	6.28
ESE	4.03	0	0	0	0	4.03
SE	3.54	0	0	0	0	3.54
SSE	3.38	0	0	0	0	3.38
S	8.7	0	0	0	0	8.7
SSW	9.66	0	0	0	0	9.66
SW	14.17	0	0	0	0	14.17
WSW	4.83	0	0	0	0	4.83
W	2.42	0	0	0	0	2.42
WNW	1.77	0	0	0	0	1.77
NW	4.03	0	0	0	0	4.03
NNW	14.01	0	0	0	0	14.01
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

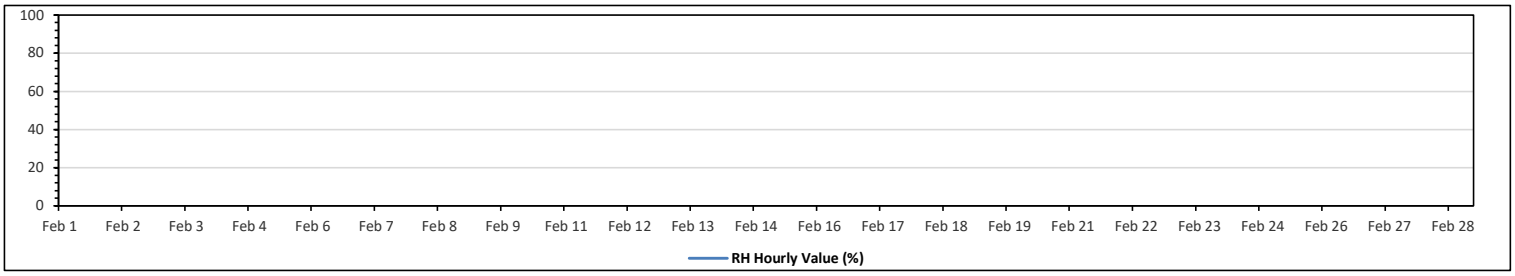
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	0	%	#N/A	Hours in Service:	672	
Maximum Daily Value:	0.0	%	#N/A	Hours of Data:	0	
Minimum Hourly Value:	0	%	#N/A	Hours of Missing Data:	672	
Minimum Daily Value:	0.0	%	#N/A	Hours of Calibration:	0	
Monthly Average:	NA	%		Operational Uptime:	0.0	

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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	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	NRM	X	X	X	X	X	X	-	-	
Feb 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	X	X	X	X	X	X	-	-	
Feb 15	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 16	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 17	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 18	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 19	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 20	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 21	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 22	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 23	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 24	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 25	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 26	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 27	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 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	
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	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#####	#DIV/0!	#DIV/0!	#DIV/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

986-C Station - February 2023

Summary of Hourly Averages

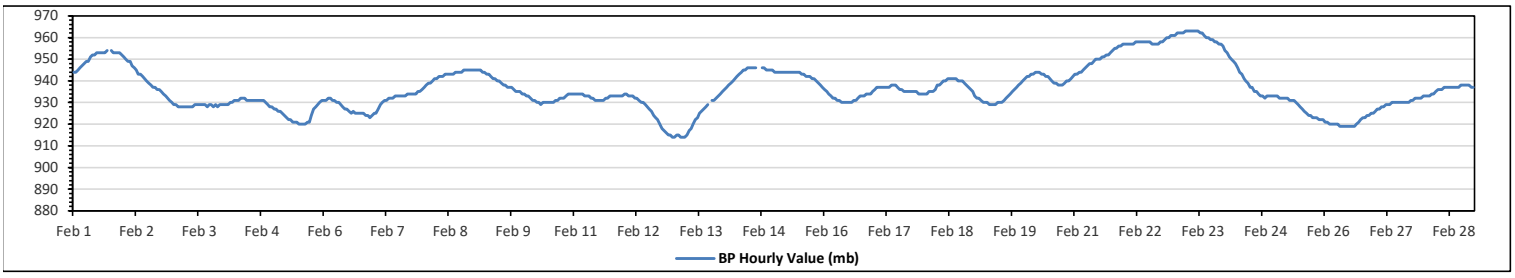
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	963 mb	on Feb 23 at hr 5	Hours in Service:	672	
Maximum Daily Value:	961 mb	on Feb 23	Hours of Data:	668	
Minimum Hourly Value:	914 mb	on Feb 12 at hr 23	Hours of Missing Data:	4	
Minimum Daily Value:	921 mb	on Feb 26	Hours of Calibration:	0	
Monthly Average:	936 mb		Operational Uptime:	99.4	

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	944	944	945	946	947	948	949	949	951	952	952	953	953	953	953	953	954	Y	954	953	953	953	953	952	944	954	951
Feb 2	951	950	949	949	947	946	945	943	943	942	941	940	939	938	937	937	936	936	935	934	933	932	931	930	930	951	940
Feb 3	929	929	928	928	928	928	928	928	928	928	929	929	929	929	929	929	928	929	929	928	929	928	929	929	928	929	929
Feb 4	929	929	929	930	930	931	931	931	932	932	932	931	931	931	931	931	931	931	931	931	930	929	928	928	928	932	930
Feb 5	927	927	926	926	925	924	923	922	922	921	921	921	920	920	920	920	921	921	924	927	928	929	930	931	920	931	924
Feb 6	931	931	932	932	931	931	930	930	929	928	927	927	926	925	926	925	925	925	925	925	924	924	923	924	923	932	927
Feb 7	925	925	927	929	930	931	931	932	932	932	933	933	933	933	933	933	934	934	934	934	934	935	935	936	925	936	932
Feb 8	937	938	939	939	940	941	941	942	942	942	943	943	943	943	943	944	944	944	944	945	945	945	945	945	937	945	942
Feb 9	945	945	945	945	944	944	943	943	942	941	941	940	940	939	938	938	937	937	937	936	935	935	935	934	934	945	940
Feb 10	934	933	933	932	931	931	930	930	929	930	930	930	930	930	930	931	931	932	932	932	933	934	934	934	929	934	932
Feb 11	934	934	934	934	934	933	933	933	932	932	931	931	931	931	931	932	932	933	933	933	933	933	933	933	931	934	933
Feb 12	934	934	933	933	933	932	932	931	930	930	929	928	927	926	924	923	922	920	918	917	916	915	915	**914**	**914**	934	926
Feb 13	**914**	915	915	**914**	**914**	**914**	915	917	918	920	922	923	925	926	927	928	929	Y	931	931	932	933	934	935	**914**	935	923
Feb 14	936	937	938	939	940	941	942	943	944	945	945	946	946	946	946	946	Y	Y	946	946	945	945	945	945	936	946	943
Feb 15	944	944	944	944	944	944	944	944	944	944	944	944	944	943	943	942	942	942	941	941	940	939	938	937	937	944	943
Feb 16	936	935	934	933	932	932	931	931	930	930	930	930	930	930	931	931	932	933	933	933	934	934	934	935	930	936	932
Feb 17	936	937	937	937	937	937	937	937	938	938	938	937	936	936	935	935	935	935	935	935	935	934	934	934	934	938	936
Feb 18	934	934	935	935	935	936	938	938	939	940	940	941	941	941	941	941	940	940	940	939	938	937	936	935	934	941	938
Feb 19	933	932	932	931	930	930	930	929	929	929	929	930	930	930	931	932	933	934	935	936	937	938	939	940	929	940	932
Feb 20	941	942	942	943	943	944	944	944	943	943	942	942	941	940	939	939	938	938	938	939	940	940	941	942	938	944	941
Feb 21	943	943	944	944	945	946	947	948	948	949	950	950	950	951	951	952	952	953	954	955	955	956	956	957	943	957	950
Feb 22	957	957	957	957	957	958	958	958	958	958	958	958	958	957	957	957	957	958	958	959	960	960	961	961	957	961	958
Feb 23	961	962	962	962	962	**963**	**963**	**963**	**963**	**963**	**963**	**963**	962	962	961	960	960	959	959	958	958	957	957	956	956	**963**	**961**
Feb 24	954	953	951	950	949	948	946	944	943	941	940	939	937	937	935	935	934	933	933	932	933	933	933	933	932	954	940
Feb 25	933	933	932	932	932	932	932	931	931	931	930	929	928	927	926	925	924	924	923	923	923	922	922	922	922	933	928
Feb 26	921	921	920	920	920	920	920	919	919	919	919	919	919	919	919	920	921	922	923	923	924	924	925	925	919	925	**921**
Feb 27	926	927	927	928	928	929	929	929	930	930	930	930	930	930	930	930	930	931	931	932	932	932	932	933	926	933	930
Feb 28	933	933	933	934	934	935	936	936	936	937	937	937	937	937	937	937	937	938	938	938	938	938	937	937	933	938	936
Diurnal Maximum	961	962	962	962	962	963	963	963	963	963	963	963	962	962	961	960	960	959	959	959	960	960	961	961			
Diurnal Average	937	937	937	937	937	937	937	937	937	937	937	937	936	936	936	936	936	935	936	936	936	936	936	936			

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 2023

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

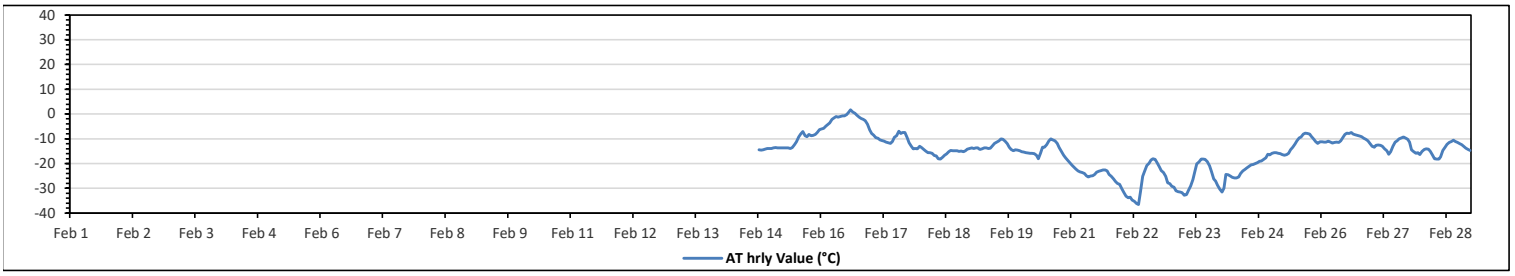
Maximum Hourly Value:	1.7	°C	on Feb 16 at hr 14	Hours in Service:	672	
Maximum Daily Value:	-2.0	°C	on Feb 16	Hours of Data:	342	
Minimum Hourly Value:	-36.6	°C	on Feb 22 at hr 8	Hours of Missing Data:	330	
Minimum Daily Value:	-27.0	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	NA	°C		Operational Uptime:	50.9	

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	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	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	NRM	X	X	X	X	X	X	-	-	-
Feb 14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NRM	NRM	-14.4	-14.6	-14.5	-14.2	-13.9	-13.9	-14.6	-13.9	NA
Feb 15	-13.9	-13.7	-13.5	-13.6	-13.6	-13.6	-13.6	-13.7	-13.7	-13.9	-13.5	-12.4	-11.2	-9.2	-8.1	-7.1	-8.8	-9.1	-8.2	-8.8	-8.6	-8.2	-7.5	-6.4	-13.9	-6.4	-11.0
Feb 16	-6.1	-5.8	-4.9	-4.3	-3.6	-2.2	-1.6	-1	-1.2	-1	-0.7	-0.7	-0.2	0.6	**1.7**	0.8	0.3	-0.5	-1.3	-1.8	-2.2	-2.6	-4.1	-6.5	-6.5	**1.7**	**-2.0**
Feb 17	-7.9	-8.5	-9.5	-9.8	-10.4	-10.7	-11	-11.3	-11.6	-11.9	-11.1	-9.4	-8.8	-6.9	-7.9	-7.4	-7.4	-9.5	-11.6	-13.1	-14	-13.9	-14	-13	-14.0	-6.9	-10.4
Feb 18	-13.5	-14.3	-15	-15.6	-15.6	-15.9	-16.8	-16.9	-18	-18.2	-17.5	-16.7	-16.1	-15.2	-14.7	-14.9	-14.8	-14.9	-15.1	-15	-15.2	-14.8	-14.2	-13.9	-18.2	-13.5	-15.5
Feb 19	-13.7	-13.9	-13.7	-13.7	-14.3	-14	-13.6	-13.7	-13.9	-13.8	-12.8	-11.8	-11.3	-10.8	-10.1	-10.2	-11	-12	-13.3	-14.3	-14.8	-14.5	-14.6	-14.8	-14.8	-10.1	-13.1
Feb 20	-15.2	-15.4	-15.6	-15.7	-15.9	-15.9	-16	-16.6	-18	-15.7	-13.3	-13.3	-12.4	-10.9	-10.1	-10.5	-10.8	-11.8	-13.5	-15.1	-16.6	-17.6	-18.6	-19.7	-19.7	-10.1	-14.8
Feb 21	-20.6	-21.4	-22.2	-22.9	-23.4	-23.7	-24.1	-24.9	-25.4	-25	-24.9	-24.4	-23.5	-23.1	-22.8	-22.5	-22.5	-22.9	-24.3	-25.2	-26.3	-27.2	-28	-28.4	-28.4	-20.6	-24.2
Feb 22	-30.2	-31.6	-33.2	-33.8	-33.5	-34.7	-35.2	-36.1	**-36.6**	-31.5	-25.2	-23.1	-20.8	-19.8	-18.6	-18	-18.3	-19.8	-21.3	-22.8	-23.7	-25.2	-27.8	-28.2	**-36.6**	-18.0	**-27.0**
Feb 23	-29.1	-29.5	-30.9	-31.4	-31.5	-31.7	-32.8	-32.6	-30.8	-29	-26.4	-23.3	-20.1	-19.4	-18.2	-18.1	-18.3	-19.3	-20.9	-23.2	-26.3	-27.1	-28.8	-30.4	-32.8	-18.1	-26.2
Feb 24	-31.5	-30	-24.3	-24.5	-25	-25.6	-25.8	-25.9	-25.5	-24	-22.9	-22.3	-21.9	-21.2	-20.5	-20.3	-19.9	-19.7	-19.1	-19	-18.3	-17.6	-16.3	-16.5	-31.5	-16.3	-22.4
Feb 25	-15.8	-15.5	-15.5	-15.8	-16	-16.4	-16.7	-16.4	-15.9	-14.5	-13.3	-12.1	-10.8	-9.7	-9.2	-8.1	-7.7	-7.9	-8.1	-9	-10	-11.2	-11.8	-11.2	-16.7	-7.7	-12.4
Feb 26	-11.2	-11.3	-11.3	-11	-11.3	-11.7	-11.4	-11.3	-11.4	-10.8	-9.4	-8.3	-7.7	-7.8	-7.5	-8.1	-8.4	-8.6	-8.9	-9.1	-9.8	-10.2	-10.8	-11.8	-11.8	-7.5	-10.0
Feb 27	-13.1	-13.3	-12.6	-12.5	-12.6	-13.1	-14	-14.8	-16.2	-15.2	-13	-11.3	-10.8	-10.1	-9.6	-9.3	-9.6	-10.2	-11.3	-14.5	-15.2	-15.8	-15.6	-16.4	-16.4	-9.3	-12.9
Feb 28	-15.1	-14.3	-14	-14.2	-15.1	-16.7	-18	-18.1	-18.2	-17.3	-14.7	-13.3	-12.3	-11.5	-11.1	-10.6	-11.1	-11.4	-12	-12.4	-13	-13.8	-14.3	-14.7	-18.2	-10.6	-14.1
Diurnal Maximum	-6.1	-5.8	-4.9	-4.3	-3.6	-2.2	-1.6	-1.0	-1.2	-1.0	-0.7	-0.7	-0.2	0.6	1.7	0.8	0.3	-0.5	-1.3	-1.8	-2.2	-2.6	-4.1	-6.4			
Diurnal Average	-16.9	-17.0	-16.9	-17.1	-17.3	-17.6	-17.9	-18.1	-18.3	-17.3	-15.6	-14.5	-13.4	-12.5	-11.9	-11.7	-12.0	-12.7	-13.6	-14.5	-15.2	-15.6	-16.0	-16.4			

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

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

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



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

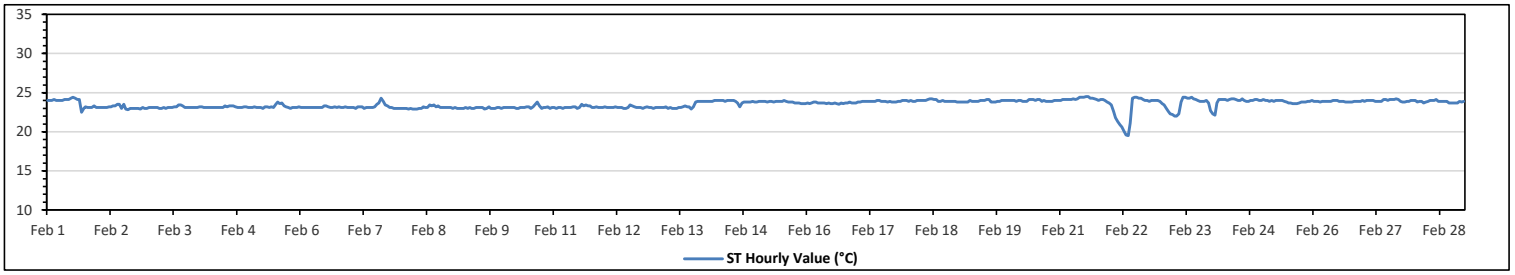
Maximum Hourly Value:	24.5	°C	on Feb 21 at hr 12	Hours in Service:	672	
Maximum Daily Value:	24.2	°C	on Feb 21	Hours of Data:	672	
Minimum Hourly Value:	19.5	°C	on Feb 22 at hr 8	Hours of Missing Data:	0	
Minimum Daily Value:	22.9	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	23.5	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	24.0	24.0	24.0	24.1	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.3	24.4	24.3	24.1	24.1	22.5	23.0	23.2	23.1	23.1	23.1	23.3	23.1	22.5	24.4	23.8
Feb 2	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.3	23.3	23.5	23.5	23.0	23.5	22.9	22.8	23.0	23.0	23.0	23.0	23.0	22.9	23.1	23.0	23.0	22.8	23.5	23.1
Feb 3	23.1	23.1	23.1	23.1	23.1	23.0	23.0	23.1	23.0	23.1	23.1	23.1	23.2	23.2	23.4	23.4	23.3	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.0	23.4	23.1
Feb 4	23.2	23.2	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.2	23.3	23.3	23.3	23.2	23.1	23.1	23.1	23.2	23.2	23.1	23.1	23.3	23.2
Feb 5	23.1	23.1	23.2	23.1	23.1	23.1	23.0	23.2	23.2	23.1	23.2	23.1	23.5	23.8	23.6	23.7	23.3	23.2	23.1	23.0	23.1	23.1	23.1	23.2	23.0	23.8	23.2
Feb 6	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.2	23.1	23.1	23.2	23.1	23.2	23.1	23.1	23.2	23.1	23.1	23.1	23.3	23.1
Feb 7	23.1	23.1	23.0	23.2	23.2	23.2	23.0	23.1	23.1	23.1	23.1	23.2	23.5	23.7	24.3	23.9	23.4	23.3	23.1	23.1	23.0	23.0	23.0	23.0	23.0	24.3	23.2
Feb 8	23.0	23.0	23.0	22.9	23.0	22.9	22.9	22.9	23.0	23.0	23.2	23.1	23.1	23.4	23.3	23.4	23.2	23.3	23.1	23.1	23.1	23.1	23.1	23.1	22.9	23.4	23.1
Feb 9	23.0	23.1	23.0	23.0	23.0	23.0	23.1	23.0	23.1	23.0	23.0	23.1	23.1	23.1	23.1	22.9	23.0	23.2	23.0	23.0	23.0	23.1	23.1	23.0	22.9	23.2	23.0
Feb 10	23.1	23.1	23.1	23.1	23.1	23.1	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.0	23.2	23.5	23.8	23.3	23.0	23.1	23.1	23.2	23.0	23.1	23.0	23.8	23.2
Feb 11	23.1	23.0	23.1	23.1	23.0	23.1	23.1	23.1	23.1	23.2	23.2	23.0	23.1	23.5	23.3	23.4	23.3	23.3	23.1	23.1	23.2	23.1	23.1	23.1	23.0	23.5	23.2
Feb 12	23.2	23.1	23.1	23.1	23.1	23.2	23.1	23.1	23.1	23.0	23.0	23.1	23.4	23.3	23.2	23.1	23.1	23.1	23.0	23.1	23.2	23.1	23.1	23.0	23.0	23.4	23.1
Feb 13	23.1	23.1	23.1	23.1	23.1	23.2	23.0	23.1	23.0	23.0	23.0	23.1	23.1	23.2	23.3	23.2	23.2	22.9	23.2	23.8	23.9	23.9	23.9	23.9	22.9	23.9	23.3
Feb 14	23.9	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	23.9	24.0	24.0	24.0	24.0	23.9	23.7	23.2	23.7	23.8	23.8	23.8	23.8	23.9	23.8	23.2	24.0	23.9
Feb 15	23.8	23.9	23.9	23.9	23.9	23.8	23.9	23.9	23.8	23.9	23.9	23.9	23.9	24.0	23.9	23.8	23.8	23.8	23.7	23.7	23.7	23.6	23.6	23.6	23.6	24.0	23.8
Feb 16	23.7	23.6	23.7	23.8	23.8	23.7	23.7	23.7	23.7	23.6	23.7	23.6	23.6	23.7	23.6	23.5	23.7	23.6	23.7	23.7	23.8	23.7	23.7	23.7	23.5	23.8	23.7
Feb 17	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.0	24.0	23.9	23.9	23.9	23.8	23.9	23.8	23.8	23.8	23.9	23.9	24.0	24.0	24.0	23.8	24.0	23.9
Feb 18	23.9	24.0	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.1	24.2	24.2	24.1	24.1	23.9	23.9	24.0	23.9	23.9	23.9	23.9	23.9	23.9	23.8	23.8	24.2	24.0
Feb 19	23.8	23.8	23.8	23.8	23.8	24.0	23.9	23.9	23.9	23.9	24.0	24.0	24.0	24.1	24.1	23.8	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.0	23.8	24.1	23.9
Feb 20	24.0	24.0	24.0	23.9	24.0	24.0	23.9	23.9	23.9	24.1	24.1	24.1	24.0	24.1	24.1	23.9	24.0	23.9	23.9	23.9	23.9	24.0	24.0	24.0	23.9	24.1	24.0
Feb 21	24.0	24.1	24.1	24.1	24.1	24.1	24.2	24.1	24.2	24.4	24.4	24.4	**24.5**	**24.5**	24.3	24.3	24.2	24.1	24.0	24.1	24.1	24.0	23.8	23.7	23.7	**24.5**	**24.2**
Feb 22	23.4	22.6	21.8	21.3	20.9	20.6	20.1	19.6	**19.5**	21.1	24.3	24.4	24.4	24.3	24.3	24.1	24.0	24.0	23.9	24.0	24.0	24.0	24.0	23.9	**19.5**	24.4	**22.9**
Feb 23	23.6	23.4	23.0	22.6	22.3	22.2	22.0	22.0	22.3	23.8	24.4	24.4	24.3	24.3	24.4	24.2	24.1	24.0	23.9	23.9	23.9	24.0	23.7	22.7	22.0	24.4	23.5
Feb 24	22.3	22.1	23.7	24.1	24.1	24.1	24.1	24.0	24.1	24.2	24.2	24.1	24.0	24.0	24.2	24.0	23.9	23.9	24.0	24.0	24.1	24.1	24.0	24.0	22.1	24.2	23.9
Feb 25	24.1	24.0	24.0	23.9	24.0	23.9	24.0	24.0	24.0	24.0	23.9	23.8	23.7	23.7	23.6	23.6	23.6	23.7	23.8	23.8	23.8	23.9	23.9	24.0	23.6	24.1	23.9
Feb 26	23.9	23.9	23.9	23.8	23.9	23.9	23.9	23.9	23.9	24.0	24.0	24.0	23.9	23.9	23.9	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	24.0	23.8	24.0	23.9
Feb 27	23.9	24.0	24.0	24.0	24.0	23.9	23.9	23.9	23.9	24.1	24.1	24.0	24.1	24.1	24.1	24.2	24.1	23.9	23.8	23.8	23.9	23.9	24.0	24.0	23.8	24.2	24.0
Feb 28	24.0	23.8	23.9	23.9	23.7	23.8	23.9	24.0	24.0	24.0	24.1	23.9	23.9	23.9	23.9	23.9	23.7	23.7	23.7	23.7	23.7	23.9	23.8	23.9	23.7	24.1	23.9
Diurnal Maximum	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.1	24.2	24.4	24.4	24.4	24.5	24.5	24.4	24.3	24.2	24.1	24.0	24.1	24.1	24.1	24.0	24.0			
Diurnal Average	23.5	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.5	23.5	23.5	23.5	23.5	23.6	23.5	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 2023

Summary of Hourly Averages

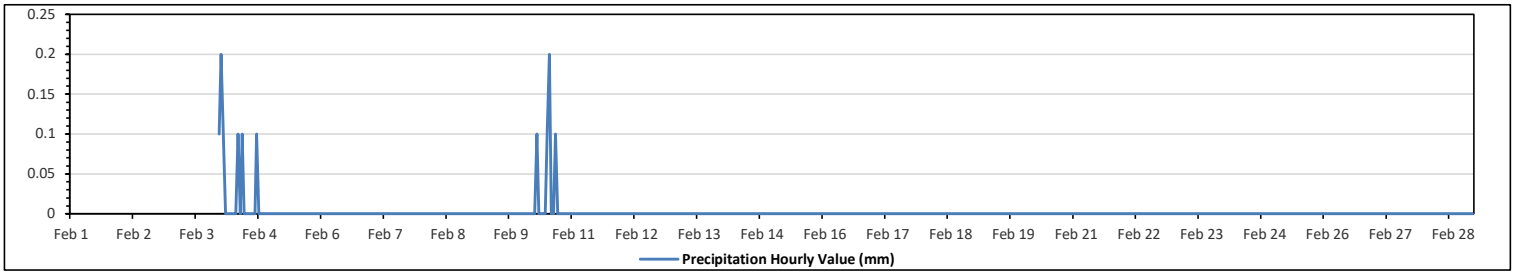
PRECIPITATION in mm

Maximum Hourly Value:	0.2	mm	on Feb 4 at hr 0	Hours in Service:	672		
Maximum Daily Value:	0.6	mm	on Feb 4	Hours of Data:	601		
Minimum Hourly Value:	0.0	mm	on Feb 4 at hr 2	Hours of Missing Data:	71		
Minimum Daily Value:	0.0	mm	on Feb 5	Hours of Calibration:	0		
Monthly Total:	1.2	mm		Operational Uptime:	89.4		

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
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	0.1	0.1	0.1	NA
Feb 4	**0.2**	0.1	0	0	0	0	0	0	0.1	0	0.1	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0.0	**0.2**	**0.6**
Feb 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 6	0	0	0	0	0	0	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 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 10	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1	**0.2**	0	0	0.1	0	0	0	0	0	0	0	0.0	**0.2**	0.5
Feb 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 14	0	0	0	0	0	0	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 15	0	0	0	0	0	0	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 16	0	0	0	0	0	0	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 17	0	0	0	0	0	0	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 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 19	0	0	0	0	0	0	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 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 22	0	0	0	0	0	0	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 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 28	0	0	0	0	0	0	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 Maximum	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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

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



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

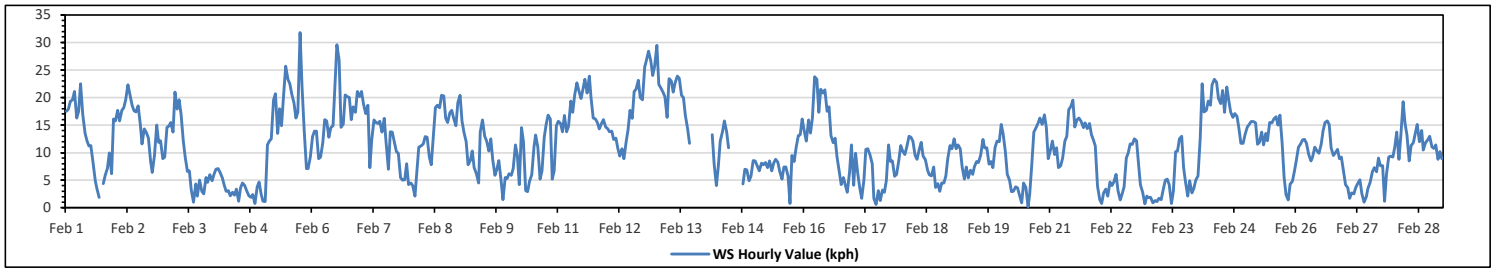
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	31.8	kph	on Feb 5 at hr 18	Hours in Service:	672
Maximum Daily Value:	17.9	kph	on Feb 12	Hours of Data:	655
Minimum Hourly Value:	0.2	kph	on Feb 20 at hr 13	Hours of Missing Data:	17
Minimum Daily Value:	3.7	kph	on Feb 4	Hours of Calibration:	0
Monthly Average:	2.5	kph		Operational Uptime:	97.5

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	17.5	17.9	19.3	19.6	21.1	16.3	17.5	22.5	16.9	13.6	12.2	11.2	11.3	8.2	4.9	3.5	1.9	Y	4.4	5.9	7.2	10.0	6.2	16.1	1.9	22.5	12.4
Feb 2	15.8	17.7	15.8	17.7	18.1	19.6	22.3	20.6	18.6	17.6	17.4	18.5	15.0	11.6	14.3	13.7	12.7	8.4	6.4	9.5	15.0	11.9	12.2	8.9	6.4	22.3	15.0
Feb 3	9.2	14.6	14.8	15.5	13.7	21.0	17.9	19.6	17.0	12.2	9.2	6.6	6.7	3.2	1.0	4.3	2.1	5.0	3.0	2.5	5.5	4.6	6.0	4.9	1.0	21.0	9.2
Feb 4	6.1	7.0	7.1	6.4	5.4	4.1	3.0	3.1	2.2	2.8	2.3	3.4	1.2	3.6	4.5	4.0	3.1	2.2	1.9	2.4	0.8	3.8	4.7	2.6	0.8	7.1	**3.7**
Feb 5	1.2	1.1	11.4	12.1	12.5	19.5	20.7	13.5	18.0	14.9	20.8	25.7	23.3	22.5	20.6	19.0	16.3	17.3	**31.8**	22.1	13.9	7.1	7.1	9.2	1.1	**31.8**	15.9
Feb 6	12.9	13.9	13.9	8.9	9.2	11.8	16.0	15.8	12.8	14.5	14.9	22.2	29.6	26.8	14.6	15.2	20.5	20.2	20.0	16.0	18.3	17.3	21.1	20.2	8.9	29.6	16.9
Feb 7	21.1	18.9	17.1	18.6	7.3	12.4	15.9	15.5	15.3	15.7	13.7	16.2	11.7	7.0	13.8	13.7	11.8	10.2	9.9	5.5	5.0	5.1	8.0	4.2	4.2	21.1	12.2
Feb 8	4.5	4.0	2.1	6.6	11.0	11.2	11.6	12.9	12.8	9.2	7.8	13.4	18.2	18.6	18.1	20.4	20.3	16.3	15.5	17.2	17.7	16.2	14.9	19.1	2.1	20.4	13.3
Feb 9	20.4	15.8	13.7	12.0	7.8	8.6	10.3	7.3	6.2	4.5	13.7	15.9	13.0	12.1	10.3	12.5	8.7	5.9	7.0	8.6	5.0	1.5	5.5	5.3	1.5	20.4	9.7
Feb 10	6.2	5.9	7.1	11.4	9.5	4.2	14.5	12.0	3.1	2.9	4.8	6.0	11.1	13.2	11.0	5.2	6.7	12.8	15.1	16.8	16.1	5.2	6.7	14.9	2.9	16.8	9.3
Feb 11	15.7	15.3	13.8	16.7	13.8	14.8	19.4	17.3	20.4	22.7	21.3	19.8	21.5	23.3	20.8	23.9	20.1	16.3	16.1	15.5	14.3	15.3	16.0	14.7	13.8	23.9	17.9
Feb 12	14.4	13.8	13.9	12.4	12.6	10.8	9.4	10.7	8.9	12.0	14.2	17.7	16.2	21.1	21.5	23.1	20.0	19.6	25.6	26.7	28.4	26.7	24.0	25.7	8.9	28.4	**17.9**
Feb 13	29.5	22.4	21.7	21.0	20.2	16.4	23.4	23.0	21.0	22.7	23.9	23.5	20.4	20.0	16.7	14.4	11.7	X	X	X	X	X	X	X	11.7	29.5	NA
Feb 14	X	X	X	13.3	7.9	4.0	7.5	12.1	13.8	15.8	13.8	10.9	X	X	X	X	X	X	4.3	7.0	6.9	4.9	5.7	8.6	4.0	15.8	NA
Feb 15	8.5	7.7	6.7	8.1	7.8	8.2	7.3	8.5	6.7	8.1	8.8	8.3	6.6	5.2	7.4	7.4	5.7	0.8	9.5	8.4	10.9	13.1	13.3	16.1	0.8	16.1	8.3
Feb 16	13.8	12.1	15.9	13.6	16.3	23.8	23.3	17.3	21.5	20.8	21.4	17.5	18.3	13.1	11.8	12.6	9.2	6.5	4.2	5.5	4.1	2.8	6.4	11.4	2.8	23.8	13.5
Feb 17	4.1	9.9	6.5	3.6	1.7	5.0	10.6	10.7	9.6	8.0	1.7	0.6	3.1	1.3	3.2	2.8	4.9	11.4	8.4	8.5	5.7	6.1	8.6	11.3	0.6	11.4	6.1
Feb 18	10.3	9.7	11.1	13.0	12.8	12.1	9.5	8.8	10.6	11.9	9.4	8.7	6.8	6.0	5.8	7.4	3.7	4.4	3.0	4.5	4.5	5.8	8.9	11.3	3.0	13.0	8.3
Feb 19	10.7	12.5	10.7	11.4	10.7	7.4	5.2	7.4	5.4	6.8	6.1	7.4	8.4	8.2	9.6	12.4	10.9	10.9	7.9	8.4	7.3	11.0	12.1	12.0	5.2	12.5	9.2
Feb 20	15.1	13.4	10.2	6.1	5.0	2.9	3.0	3.8	3.6	2.1	0.9	4.5	3.7	**0.2**	2.4	8.2	13.7	14.5	15.5	16.3	15.1	16.9	14.6	8.9	**0.2**	16.9	8.4
Feb 21	10.5	12.1	9.7	10.9	7.3	7.6	9.0	12.1	13.0	17.8	18.4	19.5	14.7	16.0	16.3	15.6	14.5	15.4	14.4	15.3	13.3	12.3	11.2	3.9	3.9	19.5	13.0
Feb 22	1.5	0.8	2.7	3.4	2.1	4.7	4.0	4.7	6.1	3.1	1.4	2.5	3.8	9.0	10.0	11.6	11.5	12.5	12.2	7.4	4.2	2.8	0.7	2.1	0.7	12.5	5.2
Feb 23	1.8	1.9	0.9	1.3	1.1	1.7	1.5	3.2	5.0	5.2	4.2	0.8	3.0	10.2	10.3	12.5	13.0	7.3	4.7	2.1	4.9	2.7	3.5	5.0	0.8	13.0	4.5
Feb 24	5.8	12.7	22.5	17.4	17.7	19.4	18.6	22.3	23.3	22.8	19.8	18.9	21.3	17.3	21.9	19.5	17.4	16.4	17.1	16.6	14.4	11.7	11.7	13.3	5.8	23.3	17.5
Feb 25	14.7	15.1	15.6	15.6	15.4	11.5	11.9	13.7	11.4	13.5	12.2	15.5	15.4	16.1	16.5	15.0	16.8	11.7	5.6	2.4	1.4	4.3	4.8	6.5	1.4	16.8	11.8
Feb 26	8.5	11.0	11.5	12.3	12.4	11.7	9.7	8.5	9.2	11.0	10.3	9.9	11.5	14.0	15.5	15.8	15.1	10.9	9.5	10.0	10.6	8.9	9.2	6.5	6.5	15.8	11.0
Feb 27	4.2	3.6	1.7	2.7	2.5	3.7	4.5	5.1	2.6	1.0	2.0	3.5	4.6	6.5	7.3	6.5	9.0	7.6	7.6	1.2	6.1	9.2	9.4	9.2	1.0	9.4	5.1
Feb 28	11.1	13.7	8.8	13.2	19.2	15.3	13.2	8.5	11.3	11.8	13.5	15.1	12.0	14.0	10.5	11.8	12.3	13.0	11.1	10.8	11.4	8.8	10.2	8.9	8.5	19.2	12.1
Diurnal Maximum	29.5	22.4	22.5	21.0	21.1	23.8	23.4	23.0	23.3	22.8	23.9	25.7	29.6	26.8	21.9	23.9	20.5	20.2	31.8	26.7	28.4	26.7	24.0	25.7			
Diurnal Average	10.9	11.3	11.3	11.6	10.8	11.1	12.2	12.2	11.7	11.6	11.4	12.3	12.3	12.2	11.9	12.3	11.6	11.1	10.8	10.1	9.9	9.1	9.7	10.4			

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.

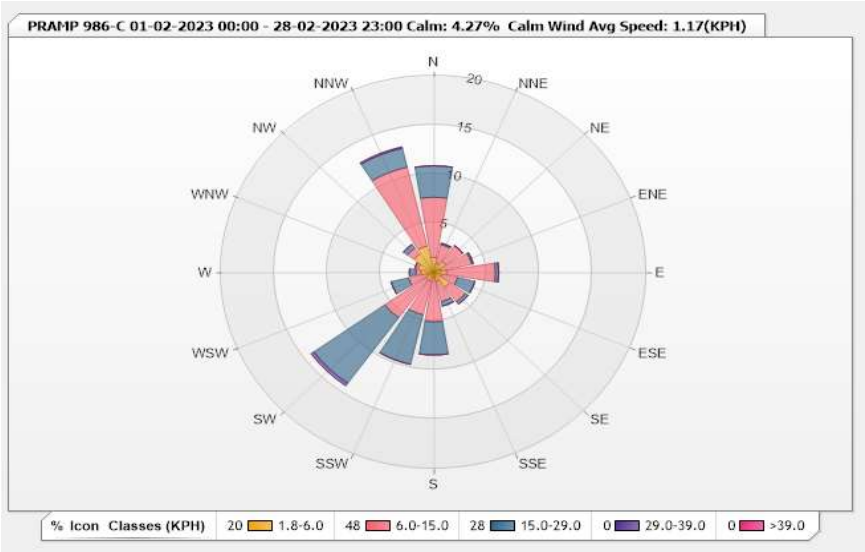


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 02-2023

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

Calm (WS<1.8kph): 4.27% Valid Data: 97.47%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.53	6.11	3.21	0	0	10.85
NNE	0.92	1.98	0.15	0	0	3.05
NE	1.37	1.98	0	0	0	3.35
ENE	0.61	3.05	0.15	0	0	3.81
E	1.22	4.58	0.31	0	0	6.11
ESE	0.76	1.53	1.68	0	0	3.97
SE	1.83	1.83	0.31	0	0	3.97
SSE	0.92	2.14	0.46	0	0	3.52
S	0.46	4.58	3.36	0	0	8.4
SSW	0.92	3.51	5.19	0	0	9.62
SW	0.92	4.73	8.24	0.31	0	14.2
WSW	0.61	1.83	1.68	0	0	4.12
W	1.22	0.46	0.61	0	0	2.29
WNW	1.53	0.31	0	0	0	1.84
NW	2.29	0.76	0.46	0	0	3.51
NNW	2.75	8.24	1.98	0.15	0	13.12
Summary	19.86	47.62	27.79	0.46	0	95.73



Peace River Area Monitoring Program

986-C Station - February 2023

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

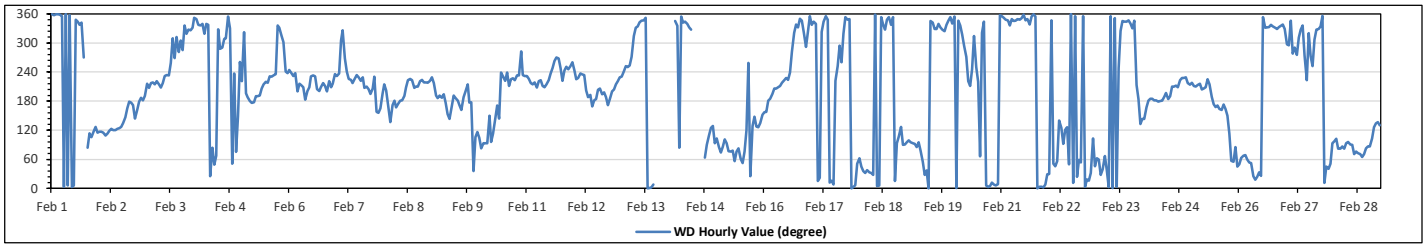
Monthly Average: 223 (SW) degree

Hours in Service: 672
Hours of Data: 655
Hours of Missing Data: 17
Hours of Calibration: 0
Operational Uptime: 97.5

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Feb 1	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	W	Y	E	ESE	ESE	ESE	SE	ESE	10	N
Feb 2	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	S	S	S	SE	SSE	S	S	S	S	138	SE
Feb 3	SW	SSW	SW	SW	SSW	SW	SSW	SSW	SW	SW	SW	SW	WSW	NW	W	NW	W	WNW	WNW	NNW	NW	NW	NW	NNW	233	SW
Feb 4	N	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNE	E	NE	ENE	NNW	WNW	WNW	NW	NW	N	NNW	NE	SW	ENE	SSE	W	343	NNW
Feb 5	SW	NW	SSW	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	SW	NNW	NNW	NW	WNW	WSW	SW	223	SW
Feb 6	WSW	SW	SW	SW	SSW	SW	SSW	SSW	S	SSW	SSW	SW	SW	SW	SSW	SSW	SSW	SW	SSW	SSW	SW	SSW	SW	SW	218	SW
Feb 7	SW	SW	WNW	NW	W	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SSE	SSE	SSE	SSW	228	SW
Feb 8	SSW	SSW	SSE	SE	S	S	SSE	S	S	S	S	SSW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	207	SSW
Feb 9	SW	SW	S	S	S	S	SSW	S	SSE	SE	SSE	S	S	S	S	SSE	S	SSW	SSW	S	S	NE	ESE	ESE	186	S
Feb 10	ESE	E	E	E	E	SSE	E	ESE	SE	S	SE	WSW	SW	SW	WSW	SSW	SW	SW	SW	SW	SW	W	SW	SW	198	SSW
Feb 11	SW	SW	SW	SSW	SW	SSW	SW	SW	SSW	SSW	SSW	SW	SW	WSW	W	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW	235	SW
Feb 12	WSW	SW	SW	SW	SW	SW	SSW	S	S	SSE	S	S	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	SSW	SW	SW	205	SSW
Feb 13	SW	WSW	WSW	WSW	WSW	W	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	X	X	X	X	X	X	X	NA	NA
Feb 14	X	X	X	NNW	NNW	E	N	NNW	NNW	NNW	NNW	NW	X	X	X	X	X	X	ENE	E	ESE	SE	SE	E	NA	NA
Feb 15	ESE	E	ENE	E	E	E	ENE	ENE	ENE	NE	ENE	E	ENE	NE	ENE	ESE	WSW	NNE	SE	SE	SE	SE	SE	SSE	103	ESE
Feb 16	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	W	NW	NNW	NNW	N	NNW	NW	WNW	NW	N	222	SW
Feb 17	NNW	NNW	NNW	NNE	NNE	NW	NNW	N	NNW	NNE	NNE	N	SW	WSW	WNW	WSW	NW	N	NNW	NNW	N	N	N	NE	352	N
Feb 18	ENE	NE	NE	NNE	NE	NNE	NNE	NNE	N	N	N	N	NNW	NW	NNW	N	NNW	N	NNE	E	ESE	SE	E	E	29	NNE
Feb 19	E	E	E	E	E	E	E	ENE	NE	NNE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	N	NNW	18	NNE
Feb 20	N	N	NNW	NNW	NW	WNW	W	SW	SSW	WSW	NW	WSW	SW	ENE	NW	NNW	N	N	N	NNE	N	N	N	N	353	N
Feb 21	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	N	N	N	N	N	N	N	N	NNE	353	N
Feb 22	NNE	NNW	NE	NE	NE	SE	SE	E	ESE	SE	NE	N	NNE	N	NNE	ENE	NE	N	N	NNE	NNE	NNE	ESE	NE	38	NE
Feb 23	ENE	ENE	NNE	NE	ENE	NE	N	N	N	N	N	WSW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	S	SE	SE	351	N
Feb 24	SE	SSE	S	S	S	S	S	S	S	S	S	SSW	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SSW	196	SSW
Feb 25	SW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SW	SSW	S	S	SSE	S	SSE	SSE	S	SSE	SSE	ESE	ENE	NE	E	NE	189	S
Feb 26	NE	ENE	ENE	ENE	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	8	N
Feb 27	WNW	WNW	NNW	W	WNW	W	NW	NW	NNW	W	SW	NW	W	WSW	NW	NW	NNW	NNW	N	NNE	NE	NE	NE	E	336	NNW
Feb 28	E	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	SE	SE	SE	SE	90	E

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 2023

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	31.8	kph	on Feb 5 at hr 18	Hours in Service:	672
Maximum Daily Value:	17.9	kph	on Feb 12	Hours of Data:	655
Minimum Hourly Value:	0.2	kph	on Feb 20 at hr 13	Hours of Missing Data:	17
Minimum Daily Value:	3.7	kph	on Feb 4	Hours of Calibration:	0
Monthly Average:	2.5	kph		Operational Uptime:	97.5

WIND DIRECTION

Monthly Average: 223 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	17.5	17.9	19.3	19.6	21.1	16.3	17.5	22.5	16.9	13.6	12.2	11.2	11.3	8.2	4.9	3.5	1.9	Y	4.4	5.9	7.2	10.0	6.2	16.1	1.9	22.5	12.4
	N	N	N	N	N	N	N	N	N	N	N	N	NNW	NNW	NNW	NNW	W	Y	E	ESE	ESE	ESE	SE	ESE			
Feb 2	15.8	17.7	15.8	17.7	18.1	19.6	22.3	20.6	18.6	17.6	17.4	18.5	15.0	11.6	14.3	13.7	12.7	8.4	6.4	9.5	15.0	11.9	12.2	8.9	6.4	22.3	15.0
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	SSE	S	S	S	SE	SSE	S	S	S	S			
Feb 3	9.2	14.6	14.8	15.5	13.7	21.0	17.9	19.6	17.0	12.2	9.2	6.6	6.7	3.2	1.0	4.3	2.1	5.0	3.0	2.5	5.5	4.6	6.0	4.9	1.0	21.0	9.2
	SW	SSW	SW	SW	SSW	SW	SSW	SSW	SW	SW	SW	SW	WSW	NW	W	NW	W	WNW	WNW	NNW	NW	NW	NW	NNW			
Feb 4	6.1	7.0	7.1	6.4	5.4	4.1	3.0	3.1	2.2	2.8	2.3	3.4	1.2	3.6	4.5	4.0	3.1	2.2	1.9	2.4	0.8	3.8	4.7	2.6	0.8	7.1	**3.7**
	N	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNE	E	NE	ENE	NNW	WNW	WNW	NW	NW	N	NNW	NE	SW	ENE	SSE	W			
Feb 5	1.2	1.1	11.4	12.1	12.5	19.5	20.7	13.5	18.0	14.9	20.8	25.7	23.3	22.5	20.6	19.0	16.3	17.3	**31.8**	22.1	13.9	7.1	7.1	9.2	1.1	**31.8**	15.9
	SW	NW	SSW	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	SW	NNW	NNW	NW	WNW	WSW	SW			
Feb 6	12.9	13.9	13.9	8.9	9.2	11.8	16.0	15.8	12.8	14.5	14.9	22.2	29.6	26.8	14.6	15.2	20.5	20.2	20.0	16.0	18.3	17.3	21.1	20.2	8.9	29.6	16.9
	WSW	SW	SW	SW	SSW	SW	SSW	SSW	S	SSW	SSW	SW	SW	SW	SSW	SSW	SSW	SW	SSW	SSW	SW	SSW	SW	SW			
Feb 7	21.1	18.9	17.1	18.6	7.3	12.4	15.9	15.5	15.3	15.7	13.7	16.2	11.7	7.0	13.8	13.7	11.8	10.2	9.9	5.5	5.0	5.1	8.0	4.2	4.2	21.1	12.2
	SW	SW	WNW	NW	W	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SSE	SSE	SSE	SSW			
Feb 8	4.5	4.0	2.1	6.6	11.0	11.2	11.6	12.9	12.8	9.2	7.8	13.4	18.2	18.6	18.1	20.4	20.3	16.3	15.5	17.2	17.7	16.2	14.9	19.1	2.1	20.4	13.3
	SSW	SSW	SSE	SE	S	S	SSE	S	S	S	S	SSW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW			
Feb 9	20.4	15.8	13.7	12.0	7.8	8.6	10.3	7.3	6.2	4.5	13.7	15.9	13.0	12.1	10.3	12.5	8.7	5.9	7.0	8.6	5.0	1.5	5.5	5.3	1.5	20.4	9.7
	SW	SW	S	S	S	S	SSW	S	SSE	SE	SSE	S	S	S	S	SSE	S	SSW	SSW	S	S	NE	ESE	ESE			
Feb 10	6.2	5.9	7.1	11.4	9.5	4.2	14.5	12.0	3.1	2.9	4.8	6.0	11.1	13.2	11.0	5.2	6.7	12.8	15.1	16.8	16.1	5.2	6.7	14.9	2.9	16.8	9.3
	ESE	E	E	E	E	SSE	E	ESE	SE	S	SE	WSW	SW	SW	WSW	SSW	SW	SW	SW	SW	SW	W	SW	SW			
Feb 11	15.7	15.3	13.8	16.7	13.8	14.8	19.4	17.3	20.4	22.7	21.3	19.8	21.5	23.3	20.8	23.9	20.1	16.3	16.1	15.5	14.3	15.3	16.0	14.7	13.8	23.9	17.9
	SW	SW	SW	SSW	SW	SSW	SW	SW	SSW	SSW	SSW	SW	SW	WSW	W	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW			
Feb 12	14.4	13.8	13.9	12.4	12.6	10.8	9.4	10.7	8.9	12.0	14.2	17.7	16.2	21.1	21.5	23.1	20.0	19.6	25.6	26.7	28.4	26.7	24.0	25.7	8.9	28.4	**17.9**
	WSW	SW	SW	SW	SW	SW	SSW	S	S	SSE	S	S	SSW	SSW	SSW	SSW	S	S	S	SSW	SSW	SSW	SW	SW			
Feb 13	29.5	22.4	21.7	21.0	20.2	16.4	23.4	23.0	21.0	22.7	23.9	23.5	20.4	20.0	16.7	14.4	11.7	X	X	X	X	X	X	X	11.7	29.5	NA
	SW	WSW	WSW	WSW	WSW	W	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	X	X	X	X	X	X	X			
Feb 14	X	X	X	13.3	7.9	4.0	7.5	12.1	13.8	15.8	13.8	10.9	X	X	X	X	X	X	4.3	7.0	6.9	4.9	5.7	8.6	4.0	15.8	NA
	X	X	X	NNW	NNW	E	N	NNW	NNW	NNW	NNW	NW	X	X	X	X	X	X	ENE	E	ESE	SE	SE	E			
Feb 15	8.5	7.7	6.7	8.1	7.8	8.2	7.3	8.5	6.7	8.1	8.8	8.3	6.6	5.2	7.4	7.4	5.7	0.8	9.5	8.4	10.9	13.1	13.3	16.1	0.8	16.1	8.3
	ESE	E	ENE	E	E	E	ENE	ENE	ENE	NE	ENE	E	ENE	NE	ENE	ESE	WSW	NNE	SE	SE	SE	SE	SE	SSE			
Feb 16	13.8	12.1	15.9	13.6	16.3	23.8	23.3	17.3	21.5	20.8	21.4	17.5	18.3	13.1	11.8	12.6	9.2	6.5	4.2	5.5	4.1	2.8	6.4	11.4	2.8	23.8	13.5
	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	W	NW	NNW	NNW	N	NNW	NW	WNW	NW	N			
Feb 17	4.1	9.9	6.5	3.6	1.7	5.0	10.6	10.7	9.6	8.0	1.7	0.6	3.1	1.3	3.2	2.8	4.9	11.4	8.4	8.5	5.7	6.1	8.6	11.3	0.6	11.4	6.1
	NNW	NNW	NNW	NNE	NNE	NW	NNW	N	NNW	NNE	NNE	N	SW	WSW	WNW	WSW	NW	N	NNW	NNW	N	N	N	NE			
Feb 18	10.3	9.7	11.1	13.0	12.8	12.1	9.5	8.8	10.6	11.9	9.4	8.7	6.8	6.0	5.8	7.4	3.7	4.4	3.0	4.5	4.5	5.8	8.9	11.3	3.0	13.0	8.3
	ENE	NE	NE	NNE	NE	NNE	NNE	NNE	N	N	N	N	NNW	NW	NNW	N	NNW	N	NNE	E	ESE	SE	E	E			
Feb 19	10.7	12.5	10.7	11.4	10.7	7.4	5.2	7.4	5.4	6.8	6.1	7.4	8.4	8.2	9.6	12.4	10.9	10.9	7.9	8.4	7.3	11.0	12.1	12.0	5.2	12.5	9.2
	E	E	E	E	E	E	E	ENE	NE	NNE	NE	N	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	N	NNW			
Feb 20	15.1	13.4	10.2	6.1	5.0	2.9	3.0	3.8	3.6	2.1	0.9	4.5	3.7	**0.2**	2.4	8.2	13.7	14.5	15.5	16.3	15.1	16.9	14.6	8.9	**0.2**	16.9	8.4
	N	N	NNW	NNW	NW	WNW	W	SW	SSW	WSW	NW	WSW	SW	ENE	NW	NNW	N	N	N	NNE	N	N	N	N			
Feb 21	10.5	12.1	9.7	10.9	7.3	7.6	9.0	12.1	13.0	17.8	18.4	19.5	14.7	16.0	16.3	15.6	14.5	15.4	14.4	15.3	13.3	12.3	11.2	3.9	3.9	19.5	13.0
	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NNW	N	N	N	N	N	N	N	N	NNE			
Feb 22	1.5	0.8	2.7	3.4	2.1	4.7	4.0	4.7	6.1	3.1	1.4	2.5	3.8	9.0	10.0	11.6	11.5	12.5	12.2	7.4	4.2	2.8	0.7	2.1	0.7	12.5	5.2
	NNE	NNW	NE	NE	NE	SE	SE	E	ESE	SE	NE	N	NNE	N	NNE	ENE	NE	N	N	NNE	NNE	NNE	ESE	NE			
Feb 23	1.8	1.9	0.9	1.3	1.1	1.7	1.5	3.2	5.0	5.2	4.2	0.8	3.0	10.2	10.3	12.5	13.0	7.3	4.7	2.1	4.9	2.7	3.5	5.0	0.8	13.0	4.5
	ENE	ENE	NNE	NE	ENE	NE	N	N	N	N	N	WSW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	SSW	S	SE	SE			
Feb 24	5.8	12.7	22.5	17.4	17.7	19.4	18.6	22.3	23.3	22.8	19.8	18.9	21.3	17.3	21.9	19.5	17.4	16.4	17.1	16.6	14.4	11.7	11.7	13.3	5.8	23.3	17.5
	SE	SSE	S	S	S	S	S	S	S	S	S	SSW	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SSW			
Feb 25	14.7	15.1	15.6	15.6	15.4	11.5	11.9	13.7	11.4	13.5	12.2	15.5	15.4	16.1	16.5	15.0	16.8	11.7	5.6	2.4	1.4	4.3	4.8	6.5	1.4	16.8	11.8
	SW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SW	SSW	S	S	SSE	S	SSE	SSE	S	SSE	SSE	ESE	ENE	NE	E	NE			
Feb 26	8.5	11.0	11.5	12.3	12.4	11.7	9.7	8.5	9.2	11.0	10.3	9.9	11.5	14.0	15.5	15.8	15.1	10.9	9.5	10.0	10.6	8.9	9.2	6.5	6.5	15.8	11.0
	NE	ENE	ENE	ENE	ENE	NE	NE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW			
Feb 27	4.2	3.6	1.7	2.7	2.5	3.7	4.5	5.1	2.6	1.0	2.0	3.5	4.6	6.5	7.3	6.5	9.0	7.6	7.6	1.2	6.1	9.2	9.4	9.2	1.0	9.4	5.1
	WNW	WNW	NNW	W	WNW	W	NW	NW	NNW	W	SW	NW	W	WSW	NW	NW	NNW	NNW	N	NNE	NE	NE	NE	E			
Feb 28	11.1	13.7	8.8	13.2	19.2	15.3	13.2	8.5	11.3	11.8	13.5	15.1	12.0	14.0	10.5	11.8	12.3	13.0	11.1	10.8	11.4	8.8	10.2	8.9	8.5	19.2	12.1
	E	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	ESE	SE	SE	SE	SE			

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 2023

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

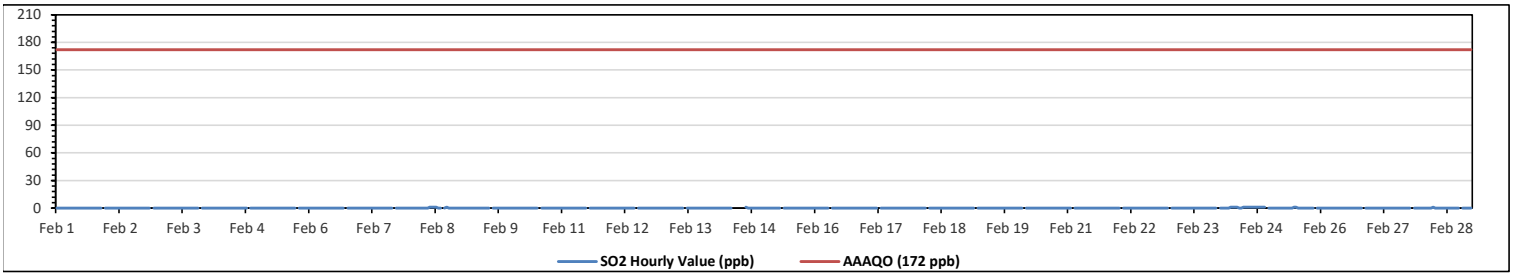
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

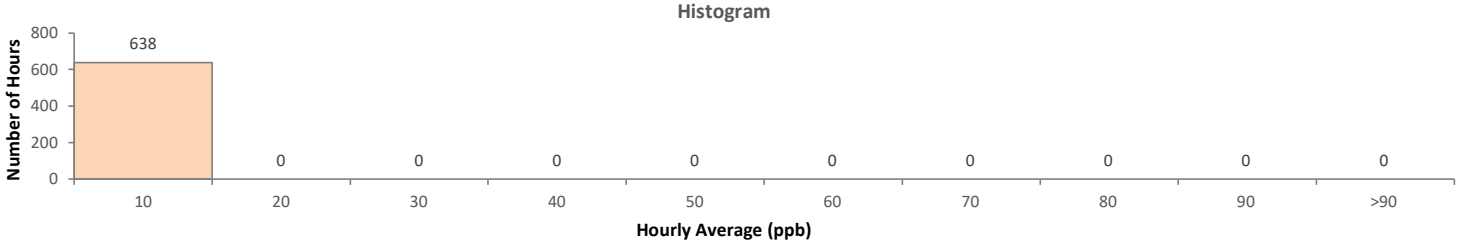
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Feb 8 at hr 9	Hours in Service:	672	
Maximum Daily Value:	0.7	ppb	on Feb 24	Hours of Data:	638	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 1	Hours of Calibration:	34	
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	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 2	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 3	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 4	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 5	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 6	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 7	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 8	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	S	0	1	0	0	0	0	0	0	0	1	0.2
Feb 9	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 10	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 11	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 12	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 13	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 14	0	0	0	0	0	0	0	0	0	S	C	C	C	C	C	1	0	0	0	0	0	0	0	0	0	1	0.1
Feb 15	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 16	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 17	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 18	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 19	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 20	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 21	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 22	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 23	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 24	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	S	0	0	1	0.7
Feb 25	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	S	0	0	0	1	0.1
Feb 26	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 27	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 28	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0.0
Diurnal Maximum	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0			

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

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



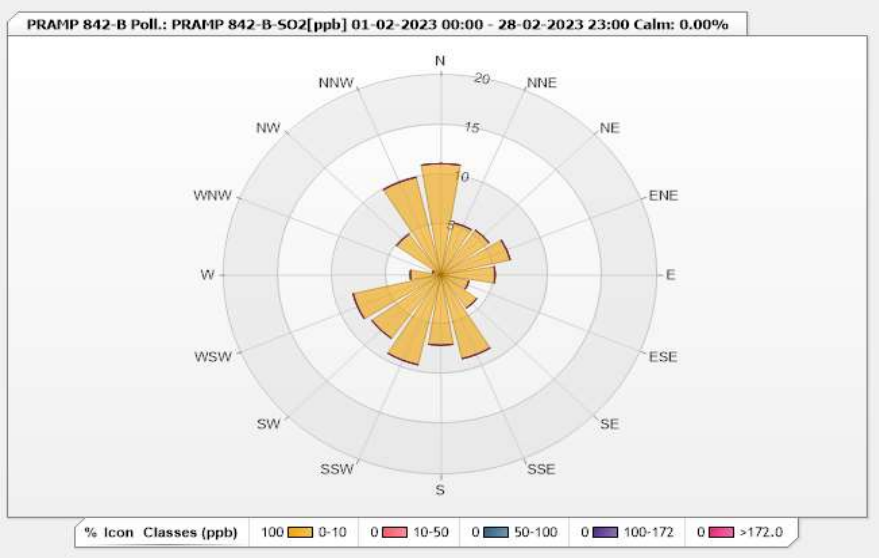


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.13	0	0	0	0	11.13
NNE	5.33	0	0	0	0	5.33
NE	5.49	0	0	0	0	5.49
ENE	6.58	0	0	0	0	6.58
E	5.02	0	0	0	0	5.02
ESE	2.66	0	0	0	0	2.66
SE	4.08	0	0	0	0	4.08
SSE	8.62	0	0	0	0	8.62
S	7.05	0	0	0	0	7.05
SSW	9.25	0	0	0	0	9.25
SW	7.84	0	0	0	0	7.84
WSW	8.31	0	0	0	0	8.31
W	2.82	0	0	0	0	2.82
WNW	0.78	0	0	0	0	0.78
NW	5.02	0	0	0	0	5.02
NNW	10.03	0	0	0	0	10.03
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

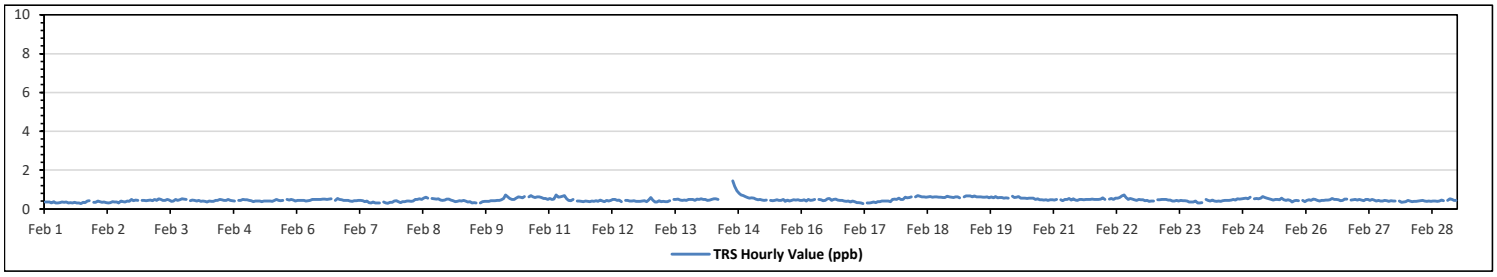
TOTAL REDUCED SULPHUR (TRS) in ppb

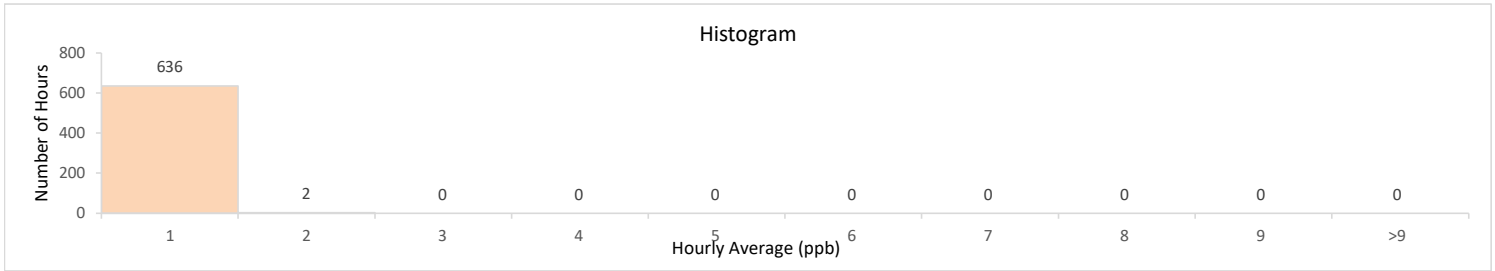
Maximum Hourly Value:	1.45	ppb	on Feb 14 at hr 15	Hours in Service:	672	
Maximum Daily Value:	0.67	ppb	on Feb 14	Hours of Data:	638	
Minimum Hourly Value:	0.27	ppb	on Feb 1 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	0.34	ppb	on Feb 1	Hours of Calibration:	34	
Monthly Average:	0.47	ppb		Operational 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	0.35	0.35	0.35	0.3	0.37	0.3	0.31	0.33	0.36	0.34	0.35	0.31	0.33	0.31	0.34	0.32	0.31	0.27	0.34	0.33	0.41	0.42	S	0.34	0.27	0.42	0.34
Feb 2	0.34	0.4	0.37	0.34	0.35	0.33	0.32	0.33	0.37	0.35	0.36	0.32	0.4	0.38	0.35	0.41	0.39	0.48	0.42	0.46	0.45	S	0.45	0.44	0.32	0.48	0.38
Feb 3	0.42	0.44	0.46	0.42	0.49	0.44	0.52	0.48	0.45	0.43	0.49	0.46	0.39	0.41	0.48	0.45	0.47	0.52	0.51	0.48	S	0.42	0.46	0.43	0.39	0.52	0.46
Feb 4	0.4	0.44	0.39	0.41	0.39	0.36	0.4	0.39	0.39	0.43	0.45	0.48	0.47	0.43	0.45	0.48	0.45	0.42	0.41	S	0.44	0.43	0.48	0.47	0.36	0.48	0.43
Feb 5	0.47	0.43	0.42	0.37	0.41	0.41	0.41	0.38	0.4	0.4	0.41	0.4	0.39	0.45	0.48	0.44	0.42	0.43	S	0.48	0.46	0.49	0.46	0.41	0.37	0.49	0.43
Feb 6	0.43	0.45	0.45	0.45	0.41	0.42	0.44	0.49	0.5	0.5	0.48	0.48	0.51	0.51	0.48	0.51	0.52	S	0.45	0.53	0.48	0.47	0.45	0.45	0.41	0.53	0.47
Feb 7	0.44	0.41	0.39	0.42	0.42	0.43	0.43	0.42	0.38	0.4	0.33	0.31	0.36	0.31	0.32	0.32	S	0.35	0.32	0.29	0.34	0.34	0.4	0.42	0.29	0.44	0.37
Feb 8	0.37	0.33	0.38	0.38	0.4	0.4	0.39	0.41	0.48	0.49	0.52	0.48	0.55	0.6	0.55	S	0.53	0.52	0.51	0.52	0.46	0.43	0.46	0.51	0.33	0.60	0.46
Feb 9	0.51	0.46	0.42	0.38	0.39	0.42	0.41	0.43	0.4	0.36	0.38	0.32	0.33	0.31	S	0.3	0.37	0.39	0.39	0.39	0.42	0.42	0.42	0.44	0.30	0.51	0.39
Feb 10	0.44	0.47	0.54	0.72	0.63	0.54	0.49	0.48	0.55	0.61	0.6	0.57	0.64	S	0.63	0.69	0.61	0.59	0.61	0.61	0.58	0.53	0.53	0.5	0.44	0.72	0.57
Feb 11	0.53	0.5	0.51	0.73	0.6	0.61	0.65	0.69	0.52	0.45	0.42	0.5	S	0.41	0.41	0.39	0.38	0.4	0.39	0.38	0.41	0.39	0.42	0.39	0.38	0.73	0.48
Feb 12	0.46	0.41	0.37	0.44	0.4	0.43	0.49	0.49	0.44	0.46	0.37	S	0.45	0.43	0.41	0.4	0.42	0.39	0.39	0.39	0.41	0.42	0.37	0.46	0.37	0.49	0.42
Feb 13	0.58	0.46	0.36	0.36	0.42	0.38	0.39	0.37	0.38	0.42	S	0.49	0.49	0.51	0.46	0.45	0.46	0.43	0.48	0.49	0.49	0.45	0.51	0.48	0.36	0.58	0.45
Feb 14	0.52	0.49	0.5	0.45	0.46	0.49	0.52	0.52	0.49	S	C	C	C	C	C	**1.45**	1.16	0.94	0.8	0.71	0.69	0.64	0.59	0.55	0.45	**1.45**	**0.67**
Feb 15	0.57	0.55	0.51	0.47	0.5	0.46	0.45	0.46	S	0.43	0.42	0.43	0.47	0.45	0.45	0.48	0.39	0.46	0.41	0.45	0.47	0.46	0.47	0.44	0.39	0.57	0.46
Feb 16	0.44	0.47	0.41	0.49	0.44	0.46	0.49	S	0.49	0.47	0.42	0.43	0.52	0.54	0.44	0.5	0.51	0.46	0.44	0.44	0.41	0.39	0.4	0.36	0.36	0.54	0.45
Feb 17	0.4	0.38	0.33	0.33	0.3	0.27	S	0.32	0.31	0.33	0.36	0.33	0.38	0.38	0.4	0.41	0.41	0.41	0.37	0.5	0.51	0.5	0.55	0.49	0.27	0.55	0.39
Feb 18	0.5	0.6	0.57	0.58	0.63	S	0.63	0.69	0.65	0.61	0.62	0.6	0.61	0.64	0.6	0.63	0.61	0.6	0.6	0.58	0.58	0.65	0.61	0.6	0.50	0.69	0.61
Feb 19	0.59	0.63	0.62	0.57	S	0.61	0.66	0.67	0.66	0.63	0.68	0.61	0.63	0.63	0.6	0.6	0.61	0.57	0.62	0.57	0.64	0.57	0.58	0.58	0.57	0.68	0.61
Feb 20	0.56	0.57	0.56	S	0.65	0.59	0.6	0.64	0.56	0.56	0.56	0.54	0.56	0.55	0.55	0.5	0.52	0.47	0.47	0.46	0.47	0.44	0.47	0.47	0.44	0.65	0.54
Feb 21	0.46	0.49	S	0.47	0.42	0.48	0.48	0.53	0.46	0.52	0.46	0.45	0.49	0.49	0.47	0.48	0.48	0.48	0.51	0.48	0.49	0.49	0.51	0.57	0.42	0.57	0.49
Feb 22	0.5	S	0.51	0.53	0.5	0.56	0.56	0.58	0.66	0.73	0.58	0.5	0.53	0.51	0.47	0.44	0.49	0.47	0.47	0.42	0.43	0.39	0.41	0.41	0.39	0.73	0.51
Feb 23	S	0.47	0.47	0.49	0.5	0.5	0.46	0.46	0.4	0.41	0.43	0.41	0.44	0.42	0.42	0.4	0.36	0.35	0.35	0.41	0.32	0.31	0.33	S	0.31	0.50	0.41
Feb 24	0.5	0.43	0.41	0.46	0.41	0.39	0.41	0.39	0.42	0.44	0.44	0.44	0.46	0.5	0.46	0.52	0.51	0.52	0.53	0.55	0.52	0.6	S	0.52	0.39	0.60	0.47
Feb 25	0.53	0.52	0.56	0.64	0.58	0.56	0.52	0.49	0.46	0.48	0.49	0.47	0.56	0.47	0.45	0.47	0.44	0.36	0.42	0.43	0.42	S	0.44	0.37	0.36	0.64	0.48
Feb 26	0.44	0.47	0.45	0.51	0.48	0.45	0.41	0.43	0.43	0.46	0.46	0.47	0.53	0.48	0.48	0.47	0.42	0.44	0.51	0.51	S	0.46	0.47	0.48	0.41	0.53	0.47
Feb 27	0.46	0.49	0.46	0.42	0.5	0.49	0.45	0.49	0.46	0.41	0.44	0.4	0.4	0.43	0.42	0.39	0.42	0.4	0.4	S	0.4	0.34	0.36	0.38	0.34	0.50	0.43
Feb 28	0.44	0.41	0.37	0.39	0.39	0.41	0.42	0.43	0.4	0.39	0.41	0.39	0.41	0.41	0.39	0.4	0.46	0.42	S	0.45	0.52	0.5	0.44	0.43	0.37	0.52	0.42
Diurnal Maximum	0.59	0.63	0.62	0.73	0.65	0.61	0.66	0.69	0.66	0.73	0.68	0.61	0.64	0.64	0.63	1.45	1.16	0.94	0.80	0.71	0.69	0.65	0.61	0.60			
Diurnal Average	0.47	0.46	0.45	0.46	0.46	0.45	0.47	0.47	0.46	0.46	0.46	0.45	0.47	0.46	0.46	0.49	0.49	0.46	0.47	0.47	0.47	0.46	0.46	0.46			

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.



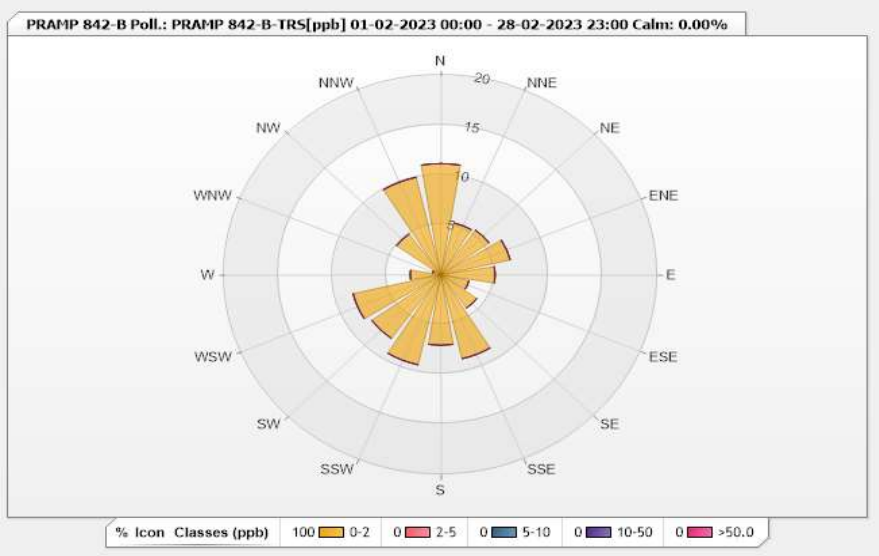


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.13	0	0	0	0	11.13
NNE	5.33	0	0	0	0	5.33
NE	5.49	0	0	0	0	5.49
ENE	6.58	0	0	0	0	6.58
E	5.02	0	0	0	0	5.02
ESE	2.66	0	0	0	0	2.66
SE	4.08	0	0	0	0	4.08
SSE	8.62	0	0	0	0	8.62
S	7.05	0	0	0	0	7.05
SSW	9.25	0	0	0	0	9.25
SW	7.84	0	0	0	0	7.84
WSW	8.31	0	0	0	0	8.31
W	2.82	0	0	0	0	2.82
WNW	0.78	0	0	0	0	0.78
NW	5.02	0	0	0	0	5.02
NNW	10.03	0	0	0	0	10.03
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

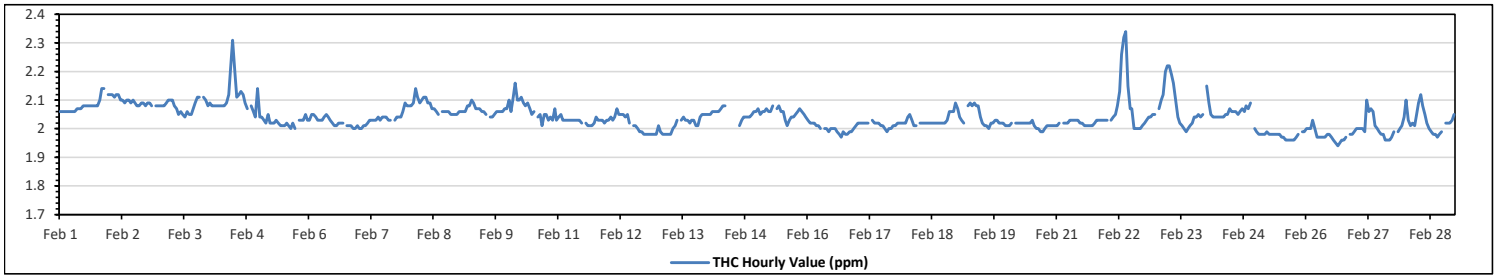
TOTAL HYDROCARBONS (THC) in ppm

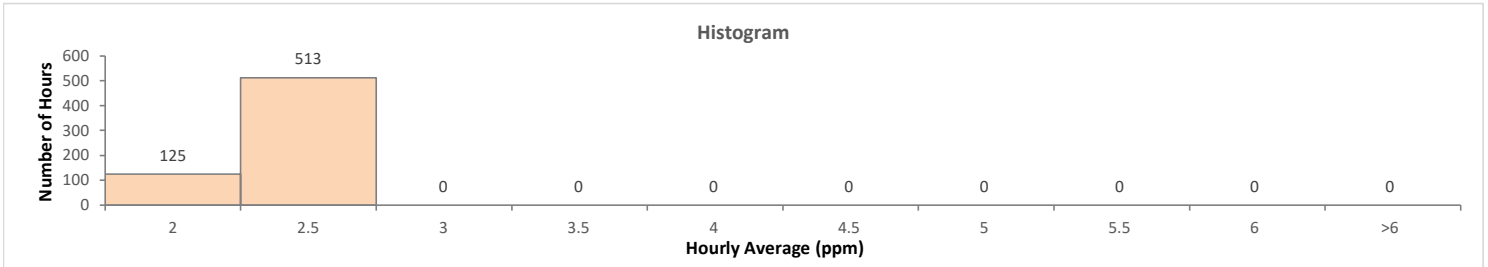
Maximum Hourly Value:	2.34	ppm	on Feb 22 at hr 9	Hours in Service:	672
Maximum Daily Value:	2.11	ppm	on Feb 4	Hours of Data:	638
Minimum Hourly Value:	1.94	ppm	on Feb 26 at hr 15	Hours of Missing Data:	0
Minimum Daily Value:	1.98	ppm	on Feb 26	Hours of Calibration:	34
Monthly Average:	2.04	ppm		Operational 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	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.14	2.14	S	2.12	2.06	2.14	2.08
Feb 2	2.12	2.12	2.11	2.12	2.12	2.10	2.10	2.09	2.10	2.10	2.09	2.10	2.09	2.08	2.08	2.09	2.09	2.08	2.09	2.09	2.08	S	2.08	2.08	2.08	2.12	2.10
Feb 3	2.08	2.08	2.08	2.09	2.10	2.10	2.10	2.08	2.07	2.05	2.06	2.05	2.04	2.06	2.05	2.05	2.07	2.09	2.11	2.11	S	2.11	2.10	2.08	2.04	2.11	2.08
Feb 4	2.09	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.09	2.12	2.20	2.31	2.20	2.11	2.12	2.13	2.12	2.09	2.07	S	2.08	2.06	2.04	2.14	2.04	2.31	**2.11**
Feb 5	2.04	2.04	2.03	2.02	2.05	2.02	2.02	2.02	2.03	2.02	2.01	2.01	2.01	2.02	2.01	2.00	2.02	2.00	S	2.03	2.03	2.03	2.05	2.03	2.00	2.05	2.02
Feb 6	2.03	2.05	2.05	2.04	2.03	2.03	2.03	2.04	2.05	2.04	2.03	2.02	2.01	2.01	2.02	2.02	2.02	S	2.01	2.01	2.01	2.00	2.00	2.01	2.00	2.05	2.02
Feb 7	2.00	2.00	2.01	2.01	2.02	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.04	2.03	2.03	S	2.03	2.04	2.04	2.04	2.06	2.09	2.08	2.00	2.09	2.03
Feb 8	2.08	2.08	2.09	2.14	2.11	2.09	2.10	2.11	2.11	2.09	2.09	2.07	2.07	2.06	2.05	S	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.14	2.08
Feb 9	2.06	2.06	2.06	2.06	2.08	2.08	2.10	2.09	2.07	2.07	2.07	2.06	2.06	2.05	S	2.04	2.04	2.05	2.06	2.06	2.06	2.06	2.07	2.07	2.04	2.10	2.06
Feb 10	2.10	2.06	2.11	2.16	2.10	2.10	2.11	2.09	2.08	2.09	2.07	2.05	2.06	S	2.04	2.05	2.01	2.05	2.05	2.03	2.04	2.03	2.07	2.03	2.01	2.16	2.07
Feb 11	2.04	2.05	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	S	2.02	2.01	2.01	2.01	2.02	2.04	2.03	2.03	2.03	2.02	2.03	2.01	2.05	2.03
Feb 12	2.03	2.04	2.03	2.04	2.07	2.05	2.05	2.05	2.04	2.05	2.02	S	2.01	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.07	2.01
Feb 13	2.01	1.99	1.98	1.98	1.98	1.98	1.98	2.00	2.01	2.03	S	2.03	2.04	2.03	2.03	2.02	2.03	2.03	2.01	2.01	2.04	2.05	2.05	2.05	1.98	2.05	2.02
Feb 14	2.05	2.05	2.06	2.06	2.06	2.06	2.07	2.08	2.08	S	C	C	C	C	C	2.01	2.03	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.01	2.08	2.05
Feb 15	2.07	2.05	2.06	2.06	2.07	2.06	2.06	2.08	S	2.07	2.08	2.06	2.06	2.03	2.01	2.03	2.04	2.04	2.05	2.06	2.07	2.06	2.05	2.04	2.01	2.08	2.05
Feb 16	2.03	2.02	2.02	2.02	2.01	2.01	2.00	S	2.00	2.00	1.99	2.00	2.00	2.00	1.99	1.98	1.97	1.99	1.98	1.98	1.99	1.99	2.00	2.01	1.97	2.03	2.00
Feb 17	2.02	2.02	2.02	2.02	2.02	2.02	S	2.03	2.02	2.02	2.02	2.01	2.01	2.00	1.99	2.00	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.02	1.99	2.03	2.01
Feb 18	2.04	2.05	2.03	2.01	2.01	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.06	2.06	2.06	2.09	2.01	2.09	2.03
Feb 19	2.07	2.04	2.03	2.02	S	2.08	2.09	2.08	2.09	2.08	2.08	2.04	2.02	2.01	2.01	2.00	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.09	2.04
Feb 20	2.01	2.01	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.01	2.00	2.00	1.99	1.99	2.00	2.01	2.01	2.01	2.01	2.01	1.99	2.03	2.01
Feb 21	2.01	2.02	S	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.03	2.03	2.03	2.03	2.01	2.03	2.02
Feb 22	2.03	S	2.03	2.04	2.05	2.08	2.13	2.26	2.32	**2.34**	2.15	2.07	2.07	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.04	2.04	2.05	2.05	2.00	**2.34**	2.08
Feb 23	S	2.07	2.10	2.12	2.20	2.22	2.22	2.19	2.16	2.10	2.04	2.02	2.01	2.00	1.99	2.00	2.01	2.02	2.04	2.04	2.05	2.04	2.05	S	1.99	2.22	2.08
Feb 24	2.15	2.09	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.07	2.06	2.06	2.06	2.05	2.06	2.07	2.06	2.08	2.07	2.09	S	2.00	2.00	2.15	2.06
Feb 25	1.99	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.98	S	1.99	1.99	1.96	1.99	1.98
Feb 26	2.00	2.00	2.00	2.03	2.00	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.96	1.95	1.94	1.95	1.96	1.96	1.97	S	1.98	1.98	1.99	1.94	2.03	1.98
Feb 27	2.00	2.00	2.00	2.00	1.99	2.10	2.06	2.07	2.06	2.01	2.00	1.99	1.98	1.98	1.96	1.96	1.96	1.97	1.99	S	1.99	2.00	2.01	2.04	1.96	2.10	2.01
Feb 28	2.10	2.03	2.01	2.02	2.01	2.05	2.09	2.12	2.08	2.05	2.02	2.00	1.99	1.98	1.98	1.97	1.98	1.99	S	2.02	2.02	2.02	2.03	2.05	1.97	2.12	2.03
Diurnal Maximum	2.15	2.12	2.11	2.16	2.20	2.22	2.22	2.26	2.32	2.34	2.20	2.31	2.20	2.11	2.12	2.13	2.12	2.09	2.11	2.11	2.14	2.14	2.10	2.14			
Diurnal Average	2.05	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.05	2.04	2.04	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.04	2.04	2.04	2.04			

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.



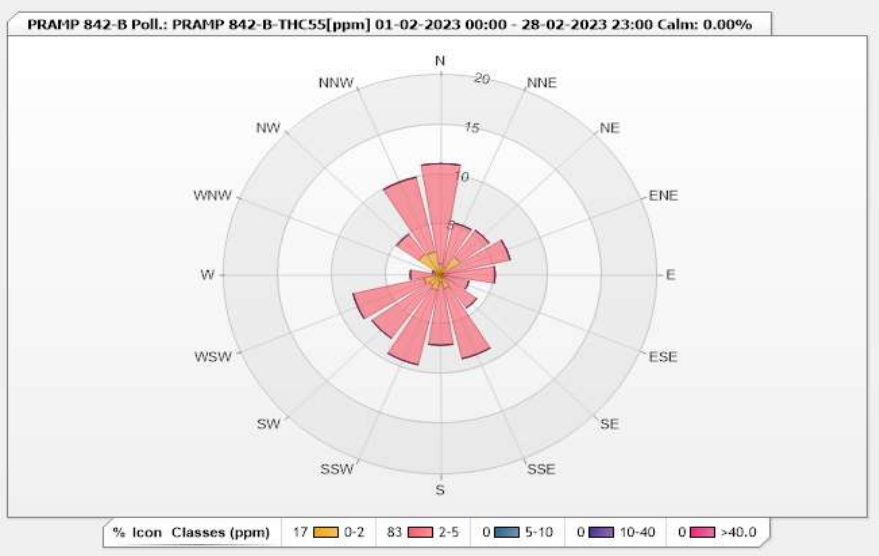


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.1	10.03	0	0	0	11.13
NNE	0.78	4.55	0	0	0	5.33
NE	2.19	3.29	0	0	0	5.48
ENE	0	6.58	0	0	0	6.58
E	0	5.02	0	0	0	5.02
ESE	0.16	2.51	0	0	0	2.67
SE	0.31	3.76	0	0	0	4.07
SSE	1.41	7.21	0	0	0	8.62
S	0.78	6.27	0	0	0	7.05
SSW	1.57	7.68	0	0	0	9.25
SW	1.25	6.58	0	0	0	7.83
WSW	1.57	6.74	0	0	0	8.31
W	0.47	2.35	0	0	0	2.82
WNW	0.47	0.31	0	0	0	0.78
NW	2.51	2.51	0	0	0	5.02
NNW	2.35	7.68	0	0	0	10.03
Summary	16.92	83.07	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

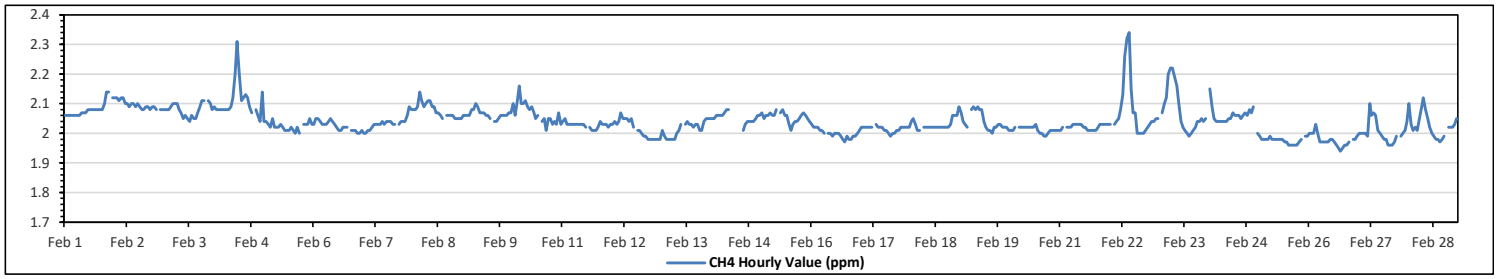
METHANE (CH4) in ppm

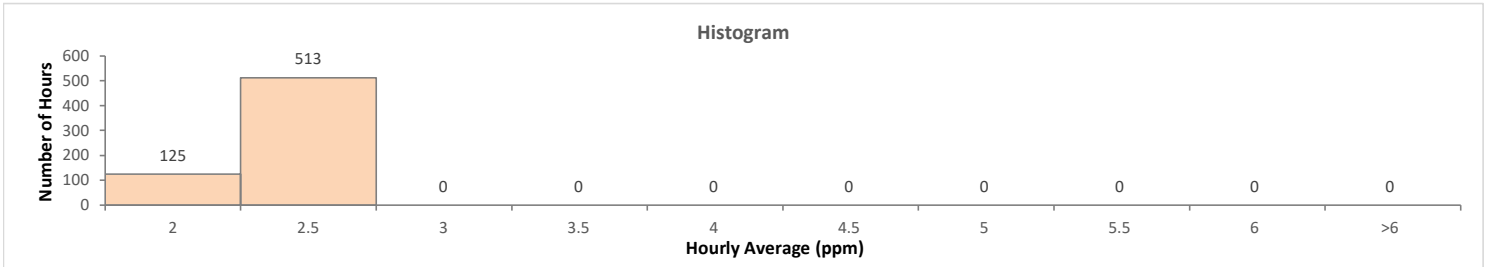
Maximum Hourly Value:	2.34	ppm	on Feb 22 at hr 9	Hours in Service:	672	
Maximum Daily Value:	2.11	ppm	on Feb 4	Hours of Data:	638	
Minimum Hourly Value:	1.94	ppm	on Feb 26 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	1.98	ppm	on Feb 26	Hours of Calibration:	34	
Monthly Average:	2.04	ppm		Operational 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	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.14	2.14	S	2.12	2.06	2.14	2.08
Feb 2	2.12	2.12	2.11	2.12	2.12	2.10	2.10	2.09	2.10	2.10	2.09	2.10	2.09	2.08	2.08	2.09	2.09	2.08	2.09	2.09	2.08	S	2.08	2.08	2.08	2.12	2.10
Feb 3	2.08	2.08	2.08	2.09	2.10	2.10	2.10	2.08	2.07	2.05	2.06	2.05	2.04	2.06	2.05	2.05	2.07	2.09	2.11	2.11	S	2.11	2.10	2.08	2.04	2.11	2.08
Feb 4	2.09	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.09	2.12	2.20	2.31	2.20	2.11	2.12	2.13	2.12	2.09	2.07	S	2.08	2.06	2.04	2.14	2.04	2.31	**2.11**
Feb 5	2.04	2.04	2.03	2.02	2.05	2.02	2.02	2.02	2.03	2.02	2.01	2.01	2.01	2.02	2.01	2.00	2.02	2.00	S	2.03	2.03	2.03	2.05	2.03	2.00	2.05	2.02
Feb 6	2.03	2.05	2.05	2.04	2.03	2.03	2.03	2.04	2.05	2.04	2.03	2.02	2.01	2.01	2.02	2.02	2.02	S	2.01	2.01	2.01	2.00	2.00	2.01	2.00	2.05	2.02
Feb 7	2.00	2.00	2.01	2.01	2.02	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.04	2.03	2.03	S	2.03	2.04	2.04	2.04	2.06	2.09	2.08	2.00	2.09	2.03
Feb 8	2.08	2.08	2.09	2.14	2.11	2.09	2.10	2.11	2.11	2.09	2.09	2.07	2.07	2.06	2.05	S	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.14	2.08
Feb 9	2.06	2.06	2.06	2.06	2.08	2.08	2.10	2.09	2.07	2.07	2.07	2.06	2.06	2.05	S	2.04	2.04	2.05	2.06	2.06	2.06	2.06	2.07	2.07	2.04	2.10	2.06
Feb 10	2.10	2.06	2.11	2.16	2.10	2.10	2.11	2.09	2.08	2.09	2.07	2.05	2.06	S	2.04	2.05	2.01	2.05	2.05	2.03	2.04	2.03	2.07	2.03	2.01	2.16	2.07
Feb 11	2.04	2.05	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	S	2.02	2.01	2.01	2.01	2.02	2.04	2.03	2.03	2.03	2.02	2.03	2.01	2.05	2.03
Feb 12	2.03	2.04	2.03	2.04	2.07	2.05	2.05	2.05	2.04	2.05	2.02	S	2.01	2.01	2.00	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.07	2.01
Feb 13	2.01	1.99	1.98	1.98	1.98	1.98	1.98	2.00	2.01	2.03	S	2.03	2.04	2.03	2.03	2.02	2.03	2.03	2.01	2.01	2.04	2.05	2.05	2.05	1.98	2.05	2.02
Feb 14	2.05	2.05	2.06	2.06	2.06	2.06	2.07	2.08	2.08	S	C	C	C	C	C	2.01	2.03	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.01	2.08	2.05
Feb 15	2.07	2.05	2.06	2.06	2.07	2.06	2.06	2.08	S	2.07	2.08	2.06	2.06	2.03	2.01	2.03	2.04	2.04	2.05	2.06	2.07	2.06	2.05	2.04	2.01	2.08	2.05
Feb 16	2.03	2.02	2.02	2.02	2.01	2.01	2.00	S	2.00	2.00	1.99	2.00	2.00	2.00	1.99	1.98	1.97	1.99	1.98	1.98	1.99	1.99	2.00	2.01	1.97	2.03	2.00
Feb 17	2.02	2.02	2.02	2.02	2.02	2.02	S	2.03	2.02	2.02	2.02	2.01	2.01	2.00	1.99	2.00	2.00	2.01	2.01	2.02	2.02	2.02	2.02	2.02	1.99	2.03	2.01
Feb 18	2.04	2.05	2.03	2.01	2.01	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.06	2.06	2.06	2.09	2.01	2.09	2.03
Feb 19	2.07	2.04	2.03	2.02	S	2.08	2.09	2.08	2.09	2.08	2.08	2.04	2.02	2.01	2.01	2.00	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.00	2.09	2.04
Feb 20	2.01	2.01	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.01	2.00	2.00	1.99	1.99	2.00	2.01	2.01	2.01	2.01	2.01	1.99	2.03	2.01
Feb 21	2.01	2.02	S	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.03	2.03	2.03	2.03	2.01	2.03	2.02
Feb 22	2.03	S	2.03	2.04	2.05	2.08	2.13	2.26	2.32	**2.34**	2.15	2.07	2.07	2.00	2.00	2.00	2.00	2.01	2.02	2.03	2.04	2.04	2.05	2.05	2.00	**2.34**	2.08
Feb 23	S	2.07	2.10	2.12	2.20	2.22	2.22	2.19	2.16	2.10	2.04	2.02	2.01	2.00	1.99	2.00	2.01	2.02	2.04	2.04	2.05	2.04	2.05	S	1.99	2.22	2.08
Feb 24	2.15	2.09	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.07	2.06	2.06	2.06	2.05	2.06	2.07	2.06	2.08	2.07	2.09	S	2.00	2.00	2.15	2.06
Feb 25	1.99	1.98	1.98	1.98	1.98	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.97	1.98	S	1.99	1.99	1.96	1.99	1.98
Feb 26	2.00	2.00	2.00	2.03	2.00	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.96	1.95	1.94	1.95	1.96	1.96	1.97	S	1.98	1.98	1.99	1.94	2.03	1.98
Feb 27	2.00	2.00	2.00	2.00	1.99	2.10	2.06	2.07	2.06	2.01	2.00	1.99	1.98	1.98	1.96	1.96	1.96	1.97	1.99	S	1.99	2.00	2.01	2.04	1.96	2.10	2.01
Feb 28	2.10	2.03	2.01	2.02	2.01	2.05	2.09	2.12	2.08	2.05	2.02	2.00	1.99	1.98	1.98	1.97	1.98	1.99	S	2.02	2.02	2.02	2.03	2.05	1.97	2.12	2.03
Diurnal Maximum	2.15	2.12	2.11	2.16	2.20	2.22	2.22	2.26	2.32	2.34	2.20	2.31	2.20	2.11	2.12	2.13	2.12	2.09	2.11	2.11	2.14	2.14	2.10	2.14			
Diurnal Average	2.05	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.05	2.04	2.04	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.04	2.04	2.04	2.04			

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.



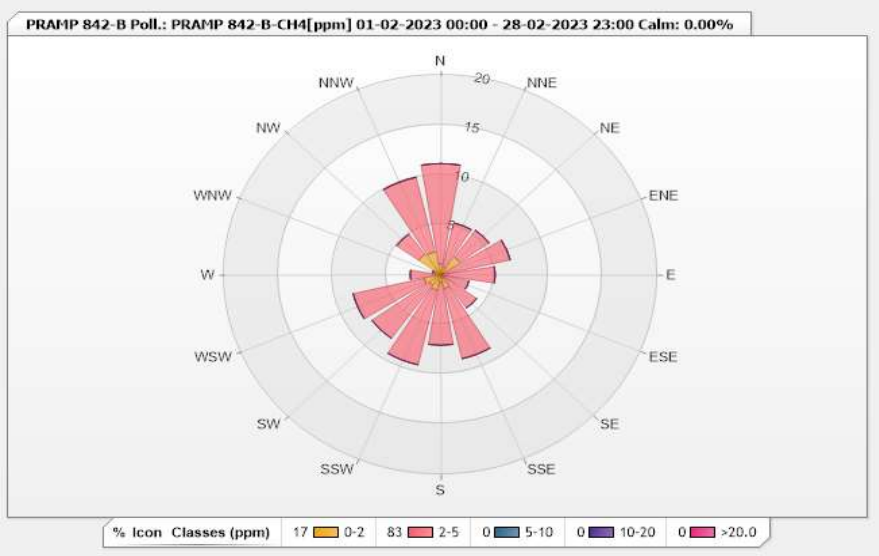


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.1	10.03	0	0	0	11.13
NNE	0.78	4.55	0	0	0	5.33
NE	2.19	3.29	0	0	0	5.48
ENE	0	6.58	0	0	0	6.58
E	0	5.02	0	0	0	5.02
ESE	0.16	2.51	0	0	0	2.67
SE	0.31	3.76	0	0	0	4.07
SSE	1.41	7.21	0	0	0	8.62
S	0.78	6.27	0	0	0	7.05
SSW	1.57	7.68	0	0	0	9.25
SW	1.25	6.58	0	0	0	7.83
WSW	1.57	6.74	0	0	0	8.31
W	0.47	2.35	0	0	0	2.82
WNW	0.47	0.31	0	0	0	0.78
NW	2.51	2.51	0	0	0	5.02
NNW	2.35	7.68	0	0	0	10.03
Summary	16.92	83.07	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

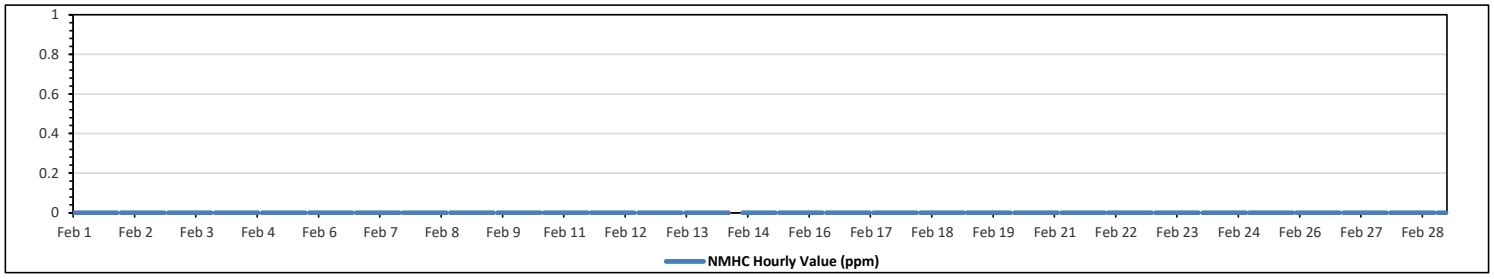
NON-METHANE HYDROCARBONS (NMHC) in ppm

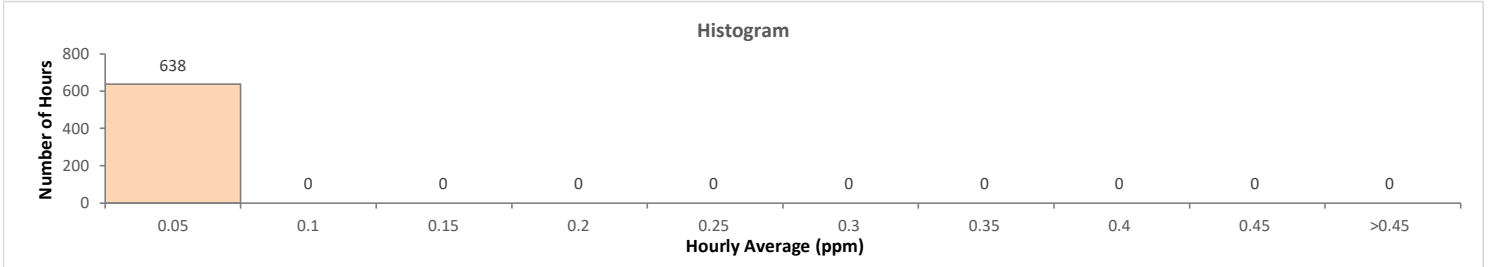
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	672	
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	638	
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	34	
Monthly Average:	0.00	ppm		Operational 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	0.00	0.00	0.00	0.00	0.00	0.00	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 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 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	S	0.00	0.00	0.00	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	S	0.00	0.00	0.00	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	S	0.00	0.00	0.00	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	S	0.00	0.00	0.00	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	S	0.00	0.00	0.00	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	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 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	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 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	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 12	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 13	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 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	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
Feb 15	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 16	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 17	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 18	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 19	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 20	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 21	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 22	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 23	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 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 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	S	0.00	0.00	0.00	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	S	0.00	0.00	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.



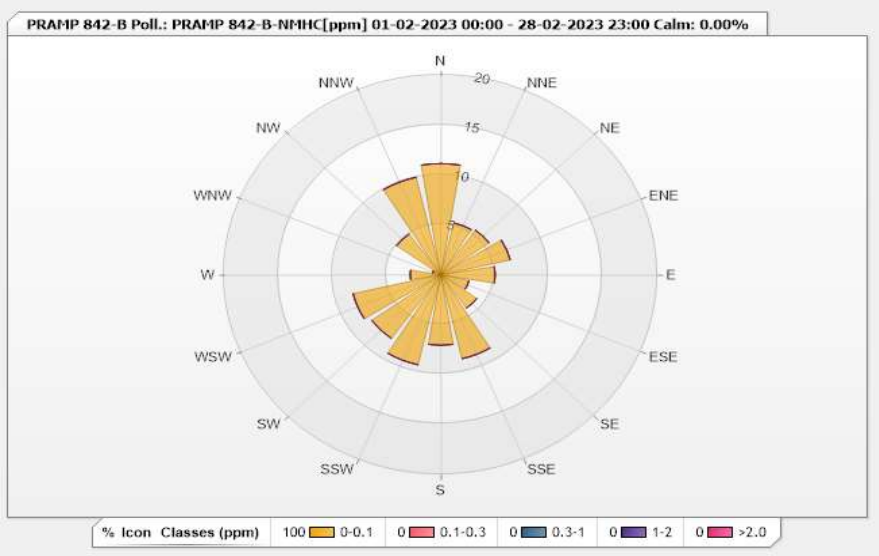


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	11.13	0	0	0	0	11.13
NNE	5.33	0	0	0	0	5.33
NE	5.49	0	0	0	0	5.49
ENE	6.58	0	0	0	0	6.58
E	5.02	0	0	0	0	5.02
ESE	2.66	0	0	0	0	2.66
SE	4.08	0	0	0	0	4.08
SSE	8.62	0	0	0	0	8.62
S	7.05	0	0	0	0	7.05
SSW	9.25	0	0	0	0	9.25
SW	7.84	0	0	0	0	7.84
WSW	8.31	0	0	0	0	8.31
W	2.82	0	0	0	0	2.82
WNW	0.78	0	0	0	0	0.78
NW	5.02	0	0	0	0	5.02
NNW	10.03	0	0	0	0	10.03
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

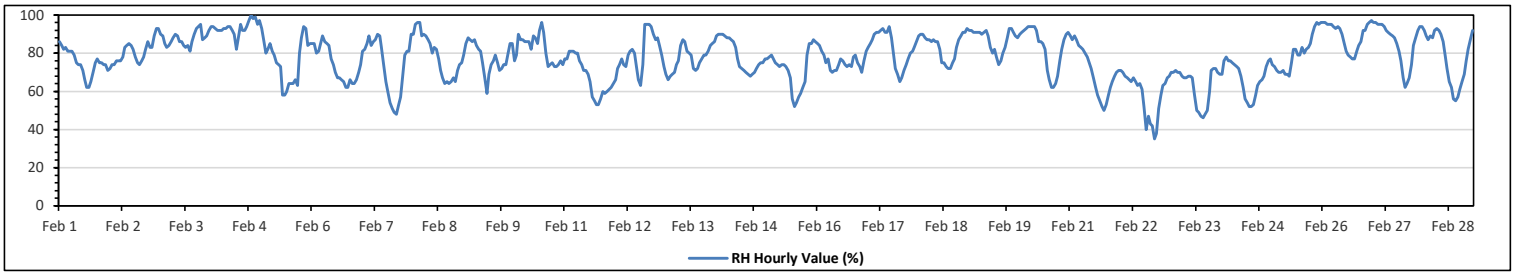
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Feb 4 at hr 19	Hours in Service:	672	
Maximum Daily Value:	93.5	%	on Feb 4	Hours of Data:	672	
Minimum Hourly Value:	35	%	on Feb 22 at hr 16	Hours of Missing Data:	0	
Minimum Daily Value:	58.1	%	on Feb 22	Hours of Calibration:	0	
Monthly Average:	77.8	%		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	86	84	82	83	81	81	81	79	75	74	74	71	66	62	62	65	70	75	77	75	75	74	74	71	62	86	74.9
Feb 2	72	74	74	76	76	76	78	83	84	85	84	82	78	75	74	76	78	82	86	83	83	89	93	93	72	93	80.6
Feb 3	90	89	85	83	84	86	88	90	89	86	86	84	83	84	81	86	90	93	94	95	87	88	89	92	81	95	87.6
Feb 4	94	94	93	92	92	92	93	93	94	94	92	90	82	89	95	92	92	94	97	**100**	98	99	95	97	82	**100**	**93.5**
Feb 5	93	87	80	82	85	81	79	75	74	73	58	58	60	64	64	64	66	63	80	88	94	93	84	85	58	94	76.3
Feb 6	85	85	80	81	85	89	86	85	84	77	74	70	67	67	66	65	62	62	66	64	64	66	70	74	62	89	73.9
Feb 7	81	82	85	89	84	86	87	90	89	83	74	65	60	54	51	49	48	53	57	67	79	81	81	90	48	90	73.5
Feb 8	90	95	96	96	89	90	89	87	85	80	83	82	77	71	67	64	65	64	65	67	65	71	74	75	64	96	78.6
Feb 9	79	85	88	87	86	87	84	82	81	75	67	59	69	74	76	79	75	71	72	74	74	80	85	85	59	88	78.1
Feb 10	76	79	90	87	87	86	86	86	82	89	88	85	92	96	91	80	73	74	75	73	73	74	76	74	73	96	82.2
Feb 11	77	77	81	81	81	80	80	76	74	71	71	69	65	57	55	53	53	56	60	59	60	61	62	64	53	81	67.6
Feb 12	66	72	74	77	74	73	79	81	82	80	73	66	63	74	95	95	95	94	90	87	88	84	79	73	63	95	79.8
Feb 13	69	66	68	69	70	74	76	84	87	86	81	80	79	72	71	72	75	77	79	79	81	84	85	86	66	87	77.1
Feb 14	89	90	90	90	89	88	88	87	86	83	77	73	72	71	70	69	68	69	70	72	74	75	75	77	68	90	78.8
Feb 15	77	78	79	77	75	74	73	74	74	73	71	67	56	52	54	57	59	62	65	79	85	85	87	86	52	87	71.6
Feb 16	85	84	81	79	75	77	71	70	71	71	74	77	76	74	73	74	73	78	79	75	73	70	76	81	70	85	75.7
Feb 17	83	85	87	90	91	91	92	93	91	91	94	88	80	72	69	65	67	71	74	77	80	81	83	86	65	94	82.5
Feb 18	89	90	90	88	87	87	86	87	86	86	82	75	75	73	72	72	75	77	83	87	89	91	91	93	72	93	83.8
Feb 19	92	92	91	91	91	91	90	91	92	89	83	80	82	78	74	76	80	83	88	93	93	91	89	88	74	93	87.0
Feb 20	90	91	92	93	94	94	94	94	92	86	86	85	82	71	66	62	62	64	68	76	82	87	90	91	62	94	83.0
Feb 21	89	87	89	87	84	83	82	80	78	75	72	67	62	58	55	52	50	53	58	62	65	68	70	71	50	89	70.7
Feb 22	71	70	68	67	66	65	67	65	63	64	61	52	40	47	43	42	**35**	38	51	58	63	64	67	68	**35**	71	**58.1**
Feb 23	70	70	71	70	70	68	67	67	68	68	67	58	50	49	47	46	48	50	60	71	72	72	70	69	46	72	63.3
Feb 24	69	76	78	76	76	75	74	73	72	68	62	56	54	52	52	53	58	63	65	66	68	73	76	77	52	78	67.2
Feb 25	74	73	71	70	70	71	69	69	68	75	82	82	79	79	83	80	82	83	85	90	94	96	95	96	68	96	79.8
Feb 26	96	96	95	95	95	94	93	94	93	90	85	81	79	78	77	77	81	84	86	92	92	95	96	97	77	97	89.2
Feb 27	96	96	95	95	95	94	92	91	90	89	88	85	81	76	67	62	64	67	74	84	88	92	94	94	62	96	85.4
Feb 28	92	89	87	89	88	92	93	92	90	86	78	72	65	62	56	55	57	61	65	69	76	82	87	92	55	93	78.1
Diurnal Maximum	96	96	96	96	95	94	94	94	94	94	94	90	92	96	95	95	95	94	97	100	98	99	96	97			
Diurnal Average	82.9	83.4	83.6	83.6	82.9	83.0	82.8	82.8	81.9	80.3	77.4	73.5	70.5	69.0	68.1	67.2	67.9	70.0	73.9	77.2	79.1	80.9	81.9	83.0			

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

842-B Station - February 2023

Summary of Hourly Averages

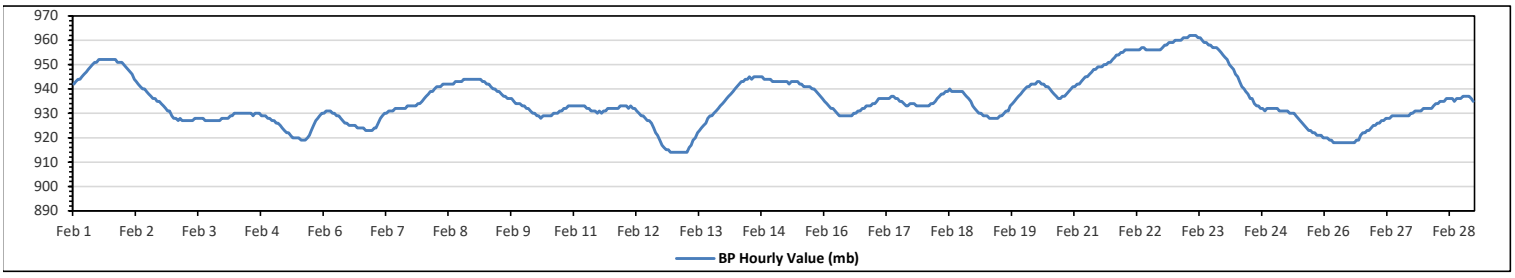
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	962	mb	on Feb 23 at hr 7	Hours in Service:	672	
Maximum Daily Value:	959	mb	on Feb 23	Hours of Data:	672	
Minimum Hourly Value:	914	mb	on Feb 12 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	920	mb	on Feb 26	Hours of Calibration:	0	
Monthly Average:	935	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	942	943	944	944	945	946	947	948	949	950	951	951	952	952	952	952	952	952	952	952	952	951	951	951	942	952	949
Feb 2	950	949	948	947	946	944	943	942	941	940	940	939	938	937	936	936	935	935	934	933	932	931	931	929	929	950	939
Feb 3	928	928	927	928	927	927	927	927	927	927	928	928	928	928	928	927	927	927	927	927	927	927	927	928	927	928	927
Feb 4	928	928	928	929	929	930	930	930	930	930	930	930	930	930	929	930	930	930	929	929	929	928	928	927	927	930	929
Feb 5	927	926	926	925	924	923	922	922	921	920	920	920	920	919	919	919	920	921	923	925	927	928	929	930	919	930	923
Feb 6	930	931	931	931	930	930	929	929	928	927	926	926	925	925	925	925	924	924	924	924	923	923	923	923	923	931	927
Feb 7	924	924	926	928	929	930	930	931	931	931	932	932	932	932	932	932	933	933	933	933	933	934	934	935	924	935	931
Feb 8	936	937	938	939	939	940	941	941	941	942	942	942	942	942	942	943	943	943	943	944	944	944	944	944	936	944	942
Feb 9	944	944	944	944	943	943	942	942	941	940	940	939	939	938	937	937	936	936	936	935	934	934	934	933	933	944	939
Feb 10	933	932	932	931	930	930	929	929	928	929	929	929	929	929	930	930	930	931	931	932	932	933	933	933	928	933	931
Feb 11	933	933	933	933	933	933	932	932	931	931	931	930	931	930	931	931	932	932	932	932	932	932	933	933	930	933	932
Feb 12	933	933	932	933	932	932	931	930	929	929	928	927	927	926	924	922	921	919	917	916	915	915	**914**	**914**	**914**	933	925
Feb 13	**914**	**914**	**914**	**914**	**914**	**914**	**914**	916	917	919	920	922	923	924	925	926	928	929	929	930	931	932	933	934	**914**	934	922
Feb 14	935	936	937	938	939	940	941	942	943	943	944	944	945	944	945	945	945	945	945	944	944	944	944	943	935	945	942
Feb 15	943	943	943	943	943	943	943	942	943	943	943	943	942	942	941	941	941	941	940	940	939	938	937	936	936	943	941
Feb 16	935	934	933	932	932	931	930	929	929	929	929	929	929	929	930	930	931	931	932	932	933	933	933	934	929	935	931
Feb 17	934	935	936	936	936	936	936	936	937	937	936	936	935	935	934	933	933	934	934	934	933	933	933	933	933	937	935
Feb 18	933	933	933	934	934	935	936	937	938	938	939	939	940	939	939	939	939	939	939	938	937	936	935	933	933	940	937
Feb 19	932	931	930	930	929	929	929	928	928	928	928	928	929	929	930	931	931	933	934	935	936	937	938	939	928	939	931
Feb 20	940	941	941	942	942	942	943	943	942	942	941	941	940	939	938	937	936	936	937	937	938	939	940	941	936	943	940
Feb 21	941	942	942	943	944	945	945	946	947	948	948	949	949	949	950	950	951	951	952	953	954	954	955	955	941	955	948
Feb 22	956	956	956	956	956	956	956	956	957	957	956	956	956	956	956	956	956	956	957	958	958	959	959	959	956	959	957
Feb 23	960	960	960	960	961	961	961	**962**	**962**	**962**	**962**	961	961	960	959	959	958	958	957	957	957	956	955	954	954	**962**	**959**
Feb 24	953	952	950	949	948	946	945	943	941	940	939	938	936	936	934	933	933	932	932	931	932	932	932	932	931	953	939
Feb 25	932	932	931	931	931	931	931	930	930	930	929	928	927	926	925	924	923	923	922	922	921	921	921	920	920	932	927
Feb 26	920	920	919	919	918	918	918	918	918	918	918	918	918	918	918	919	919	921	922	922	923	923	924	925	918	925	**920**
Feb 27	925	926	926	927	927	928	928	928	929	929	929	929	929	929	929	929	929	930	930	931	931	931	931	932	925	932	929
Feb 28	932	932	932	932	933	934	934	935	935	935	936	936	936	936	935	936	936	936	937	937	937	937	936	935	932	937	935
Diurnal Maximum	960	960	960	960	961	961	961	962	962	962	962	961	961	960	959	959	958	958	957	958	958	959	959	959			
Diurnal Average	935	936	935	936	936	936	935	936	935	936	936	935	935	935	935	935	935	935	935	935	935	935	935	935			

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 2023

Summary of Hourly Averages

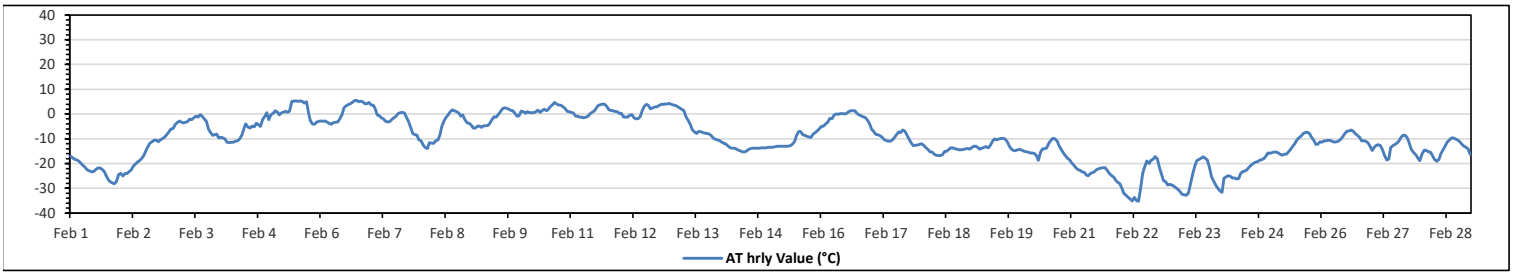
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	5.6	°C	on Feb 6 at hr 17	Hours in Service:	672	
Maximum Daily Value:	1.9	°C	on Feb 10	Hours of Data:	672	
Minimum Hourly Value:	-35.2	°C	on Feb 22 at hr 8	Hours of Missing Data:	0	
Minimum Daily Value:	-26.9	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	-10.1	°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	-17.1	-17.8	-18.3	-18.6	-19.1	-20	-20.9	-21.7	-22.6	-23	-23.4	-23.2	-22.4	-21.9	-21.8	-22.3	-23.2	-24.9	-26.5	-27.4	-27.9	-28.2	-27.2	-24.4	-28.2	-17.1	-22.7
Feb 2	-24	-25	-24.1	-24	-23.3	-22.5	-21.1	-20.1	-19.4	-18.8	-17.9	-16.6	-14.8	-13.1	-11.7	-11.2	-10.6	-10.6	-11.2	-10.5	-9.9	-9.2	-8.4	-7.2	-25.0	-7.2	-16.1
Feb 3	-6	-5.9	-4.4	-3.4	-2.8	-3.2	-3.6	-3.3	-3	-2.1	-2.3	-1.6	-0.9	-1.3	-0.2	-0.8	-1.9	-2.9	-6.2	-7.4	-8.6	-8.4	-8.1	-9.6	-9.6	-0.2	-4.1
Feb 4	-9.4	-9.7	-10.1	-11.4	-11.4	-11.5	-11.3	-11	-10.9	-10.1	-8.5	-5.7	-4	-5.3	-5.6	-4.9	-5.1	-3.7	-4.4	-5	-2.2	-0.8	0.5	-2.3	-11.5	0.5	-6.8
Feb 5	-0.2	0.2	1.3	0.8	-0.3	0.4	0.8	1.1	0.7	1.2	5	5.2	5.3	5	5.3	5	4.4	4.9	0	-2.7	-4.1	-4.1	-3.2	-2.9	-4.1	5.3	1.2
Feb 6	-2.8	-2.9	-2.8	-3.3	-3.9	-4.2	-3.4	-3.3	-3.2	-2	-0.2	2.5	3.3	3.8	4.2	4.7	5.3	**5.6**	4.9	5.2	4.9	4.2	4.2	4.6	-4.2	**5.6**	1.1
Feb 7	3.7	3.5	2.3	-0.3	-0.7	-1.5	-2.1	-2.9	-3.2	-3	-2.2	-1.4	-0.8	0.1	0.5	0.7	0.4	-1.6	-3.1	-5.3	-7.9	-8.4	-8.5	-10.4	-10.4	3.7	-2.2
Feb 8	-10.8	-12.6	-13.5	-13.9	-11.6	-11.7	-11.9	-10.9	-10.5	-8.4	-4.9	-2.7	-1.4	-0.2	1	1.7	1.3	0.9	0.4	-0.8	-0.3	-2.3	-3.6	-3.7	-13.9	1.7	-5.4
Feb 9	-4.5	-5.6	-5.7	-4.9	-4.9	-5.4	-4.7	-4.7	-4.6	-3.7	-2.2	-1.1	-1.2	-0.2	1	2.2	2.4	2.3	2	1.5	1.3	0.3	-0.8	-0.7	-5.7	2.4	-1.7
Feb 10	1.2	1	0.3	1	0.5	0.5	0.5	0.9	1.6	0.7	1.4	2	1.4	1.9	3	3.8	4.6	4.1	3.7	3.6	3	2.2	1.1	1	0.3	4.6	**1.9**
Feb 11	0.6	0.4	-0.8	-0.8	-1.2	-1.3	-1.6	-1.3	-0.8	0.1	0.6	1.2	2.4	3.5	3.8	4.1	4	3.1	1.8	1.5	1.3	1.1	0.9	0.3	-1.6	4.1	1.0
Feb 12	0.2	-1.1	-1.2	-1.3	-0.4	-0.2	-1.5	-2	-1.9	-1	1.3	3	3.9	3.5	2.1	2.5	2.8	2.9	3.4	3.9	3.9	4.1	4.1	4.3	-2.0	4.3	1.5
Feb 13	3.9	3.7	3.4	3	2.4	1.9	1.5	-1.1	-2.4	-4.1	-6.2	-7.2	-7.8	-7.1	-7	-7.5	-7.7	-7.8	-8	-8.6	-9.5	-10.2	-10.5	-10.7	-10.7	3.9	-4.3
Feb 14	-11.2	-11.7	-12.1	-12.8	-13.5	-13.8	-13.8	-14.1	-14.6	-14.8	-15.3	-15.4	-15	-14.3	-13.9	-13.8	-13.8	-13.8	-13.8	-13.7	-13.7	-13.6	-13.5	-13.4	-15.4	-11.2	-13.7
Feb 15	-13.4	-13.3	-13.2	-13.1	-13	-13.1	-13	-13.1	-13.1	-12.8	-12.2	-11.2	-8.8	-7.1	-7.1	-8.4	-8.7	-9	-9.2	-9.4	-8.1	-7.4	-6.8	-5.9	-13.4	-5.9	-10.4
Feb 16	-5	-4.8	-3.9	-3.3	-1.8	-2	-0.3	0	-0.1	0.1	0.1	0	0.3	0.9	1.4	1.4	1.4	0.3	-0.3	-0.7	-1.1	-1.4	-2.4	-4.1	-5.0	1.4	-1.1
Feb 17	-6.2	-6.9	-8.2	-8.4	-8.8	-9.2	-10.3	-10.7	-11	-11	-10.5	-9.5	-8.2	-7.2	-7.4	-6.5	-6.9	-8.6	-10.2	-11.7	-12.8	-12.7	-12.5	-12.2	-12.8	-6.2	-9.5
Feb 18	-12	-12.6	-13.5	-14.3	-15.2	-15.4	-16.2	-16.7	-16.8	-16.8	-16.4	-15.1	-15.1	-14.3	-13.7	-13.6	-14.1	-14.2	-14.4	-14.4	-14.3	-14.1	-13.9	-14.2	-16.8	-12.0	-14.6
Feb 19	-13.5	-13	-13.1	-13.5	-14.2	-13.8	-13.3	-13.2	-13.7	-12.7	-11	-10	-10.5	-10	-9.9	-9.8	-10	-11.2	-12.9	-14	-14.7	-14.9	-14.5	-14.3	-14.9	-9.8	-12.6
Feb 20	-14.6	-15	-15.2	-15.4	-15.7	-15.7	-15.8	-16.8	-18.7	-15.4	-14	-14.1	-13.7	-11.7	-10.7	-9.8	-10	-11	-12.9	-14.5	-15.8	-16.9	-17.8	-18.6	-18.7	-9.8	-14.6
Feb 21	-19.8	-20.7	-21.7	-22.4	-22.7	-23.4	-23.6	-24.6	-24.9	-24.1	-23.6	-23.2	-22.4	-22	-21.8	-21.7	-21.7	-22.7	-23.9	-24.7	-25.5	-26.6	-27.5	-28	-28.0	-19.8	-23.5
Feb 22	-29.9	-32	-32.9	-33.7	-34.4	-35.1	-33.7	-35	**-35.2**	-30.5	-24	-21.4	-19	-20	-18.7	-18.3	-17.2	-18.2	-21.5	-24.1	-26.8	-27.3	-28.6	-28.5	**-35.2**	-17.2	**-26.9**
Feb 23	-28.6	-29.1	-29.8	-30.5	-31.4	-32.4	-32.7	-32.9	-31.9	-27.9	-23.9	-21.1	-18.9	-18.3	-17.7	-17.3	-17.7	-18.6	-21.7	-25.3	-27.1	-28.6	-29.8	-31	-32.9	-17.3	-26.0
Feb 24	-31.6	-26	-25.5	-24.9	-25.1	-25.9	-25.9	-26.2	-26.1	-24.1	-23.3	-22.9	-22.5	-21.6	-20.7	-19.9	-19.5	-19.3	-18.7	-18.4	-18	-17.1	-15.7	-15.9	-31.6	-15.7	-22.3
Feb 25	-15.5	-15.4	-15.4	-15.7	-16.2	-16.7	-16.3	-16.1	-15.2	-14.3	-13.1	-11.8	-10.5	-9.5	-8.9	-7.8	-7.4	-7.3	-8	-9.3	-10.5	-12.2	-12.3	-11.2	-16.7	-7.3	-12.4
Feb 26	-11.3	-10.8	-10.9	-10.6	-10.7	-11.1	-11.3	-11.2	-10.9	-10.2	-9	-7.8	-6.9	-6.8	-6.5	-6.9	-7.9	-8.6	-9.4	-10.9	-10.9	-11	-11.6	-12.9	-12.9	-6.5	-9.8
Feb 27	-14.7	-13.4	-12.8	-12.4	-12.8	-14.3	-16.8	-18.6	-18.1	-13.5	-12.8	-12.2	-11.7	-10.8	-9.2	-8.5	-8.7	-9.9	-12.1	-14.4	-15.6	-16.5	-17.8	-18.9	-18.9	-8.5	-13.6
Feb 28	-16.1	-14.6	-14.7	-15.3	-15.4	-16.9	-18.3	-19.1	-18.3	-16.3	-14.6	-13	-11.5	-10.6	-9.7	-9.6	-10	-10.5	-11.2	-12.1	-12.9	-13.3	-14.1	-16.2	-19.1	-9.6	-13.9
Diurnal Maximum	3.9	3.7	3.4	3.0	2.4	1.9	1.5	1.1	1.6	1.2	5.0	5.2	5.3	5.0	5.3	5.0	5.3	5.6	4.9	5.2	4.9	4.2	4.2	4.6			
Diurnal Average	-11.0	-11.1	-11.3	-11.6	-11.7	-12.1	-12.2	-12.5	-12.5	-11.4	-10.1	-9.1	-8.3	-7.7	-7.1	-6.9	-7.0	-7.5	-8.7	-9.6	-10.1	-10.5	-10.7	-11.0			

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

842-B Station - February 2023

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

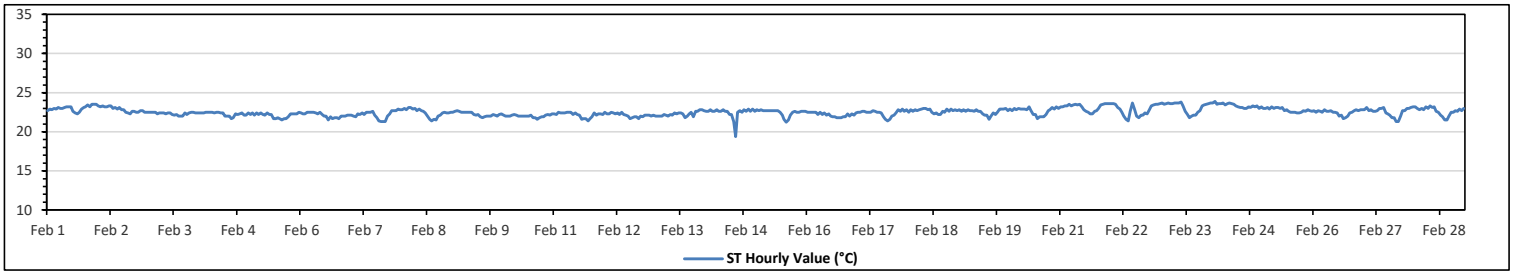
Maximum Hourly Value:	23.9	°C	on Feb 24 at hr 1	Hours in Service:	672
Maximum Daily Value:	23.4	°C	on Feb 24	Hours of Data:	672
Minimum Hourly Value:	19.4	°C	on Feb 14 at hr 14	Hours of Missing Data:	0
Minimum Daily Value:	22.0	°C	on Feb 10	Hours of Calibration:	0
Monthly Average:	22.5	°C		Operational 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	22.7	22.9	22.8	23.0	22.9	23.1	23.0	23.0	23.1	23.2	23.2	23.2	22.6	22.4	22.3	22.5	22.9	23.1	23.2	23.4	23.2	23.5	23.5	23.5	22.3	23.5	23.0
Feb 2	23.3	23.2	23.3	23.2	23.2	23.3	23.3	23.0	23.1	22.9	23.1	22.8	22.8	22.5	22.4	22.3	22.6	22.6	22.5	22.5	22.7	22.7	22.5	22.5	22.3	23.3	22.8
Feb 3	22.5	22.5	22.5	22.5	22.3	22.4	22.4	22.4	22.3	22.4	22.4	22.2	22.1	22.2	22.0	22.0	22.0	22.4	22.2	22.4	22.5	22.5	22.4	22.4	22.0	22.5	22.3
Feb 4	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.4	22.5	22.5	22.4	22.4	22.0	22.0	22.0	21.7	21.8	22.3	22.2	22.3	22.4	22.1	22.1	22.4	21.7	22.5	22.3
Feb 5	22.2	22.4	22.1	22.4	22.2	22.4	22.2	22.1	22.4	22.2	22.2	21.7	21.7	21.8	21.7	21.5	21.7	21.7	21.9	22.3	22.3	22.3	22.3	22.5	21.5	22.5	22.1
Feb 6	22.4	22.3	22.3	22.5	22.5	22.5	22.5	22.4	22.3	22.5	22.2	22.0	22.0	21.5	21.9	21.7	21.8	21.8	21.7	22.0	22.0	22.0	22.1	22.1	21.5	22.5	22.1
Feb 7	22.1	22.0	21.9	22.3	22.2	22.4	22.2	22.5	22.5	22.5	22.6	22.1	21.8	21.4	21.3	21.3	21.3	22.0	22.3	22.7	22.7	22.7	22.9	22.8	21.3	22.9	22.2
Feb 8	22.8	23.0	22.8	23.1	23.1	22.9	23.0	22.7	22.9	22.7	22.6	22.4	22.0	21.6	21.4	21.6	21.5	22.0	22.1	22.4	22.5	22.4	22.4	22.5	21.4	23.1	22.4
Feb 9	22.5	22.6	22.7	22.6	22.5	22.5	22.5	22.5	22.5	22.5	22.2	22.1	22.2	21.9	21.8	21.9	22.0	22.0	22.0	22.2	22.1	22.0	22.2	22.3	21.8	22.7	22.3
Feb 10	22.1	22.0	22.0	22.0	22.1	22.2	22.1	22.0	22.0	22.0	22.0	22.0	22.0	22.1	21.8	21.8	21.6	21.8	21.9	21.9	22.1	22.2	22.1	22.3	21.6	22.3	**22.0**
Feb 11	22.3	22.2	22.5	22.4	22.4	22.4	22.5	22.5	22.5	22.2	22.4	22.2	22.1	21.6	21.7	21.7	21.4	21.7	21.9	22.4	22.1	22.3	22.3	22.2	21.4	22.5	22.2
Feb 12	22.5	22.3	22.3	22.5	22.4	22.3	22.4	22.2	22.5	22.2	22.1	22.0	21.7	21.8	21.9	21.9	21.7	22.0	21.9	22.1	22.1	22.1	22.0	22.1	21.7	22.5	22.1
Feb 13	22.0	22.0	22.0	22.0	22.2	22.1	22.0	22.2	22.1	22.4	22.3	22.4	22.4	22.3	21.8	22.0	22.3	22.5	21.9	22.6	22.6	22.8	22.8	22.7	21.8	22.8	22.3
Feb 14	22.6	22.6	22.8	22.6	22.6	22.8	22.6	22.6	22.8	22.6	22.6	22.2	22.2	21.3	**19.4**	22.5	22.7	22.5	22.8	22.6	22.9	22.6	22.9	22.6	**19.4**	22.9	22.4
Feb 15	22.8	22.7	22.8	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.5	22.1	21.6	21.2	21.5	22.1	22.5	22.6	22.5	22.5	22.6	22.6	22.6	21.2	22.8	22.5
Feb 16	22.5	22.5	22.5	22.5	22.5	22.2	22.5	22.2	22.4	22.1	22.3	22.0	21.9	21.9	21.8	21.8	21.8	21.9	21.9	22.3	22.0	22.3	22.1	22.4	21.8	22.5	22.2
Feb 17	22.5	22.5	22.6	22.6	22.5	22.5	22.5	22.7	22.6	22.5	22.5	22.4	21.9	21.6	21.4	21.6	22.0	22.1	22.4	22.8	22.6	22.9	22.6	22.8	21.4	22.9	22.4
Feb 18	22.5	22.8	22.6	22.8	22.7	22.8	22.9	23.0	23.0	22.8	22.9	22.5	22.3	22.4	22.2	22.2	22.6	22.5	22.9	22.6	22.9	22.7	22.8	22.7	22.2	23.0	22.7
Feb 19	22.8	22.6	22.8	22.6	22.8	22.7	22.7	22.6	22.8	22.6	22.6	22.3	22.1	22.1	21.6	22.0	22.4	22.2	22.5	22.9	22.9	22.9	23.0	22.7	21.6	23.0	22.6
Feb 20	22.9	22.7	23.0	22.8	23.0	22.9	22.9	22.9	22.8	23.2	22.7	22.2	22.2	21.7	21.9	21.9	21.9	22.2	22.7	22.8	23.1	22.9	23.2	23.0	21.7	23.2	22.6
Feb 21	23.2	23.2	23.3	23.3	23.5	23.3	23.4	23.5	23.4	23.5	23.2	22.8	22.6	22.5	22.3	22.3	22.6	22.7	23.0	23.4	23.5	23.6	23.6	23.6	22.3	23.6	23.1
Feb 22	23.6	23.6	23.5	23.1	22.9	22.5	22.0	21.6	21.4	22.6	23.7	22.8	22.0	21.8	22.1	22.1	22.4	22.3	22.8	23.3	23.4	23.5	23.5	23.6	21.4	23.7	22.8
Feb 23	23.7	23.5	23.6	23.7	23.6	23.6	23.7	23.7	23.7	23.8	23.3	22.6	22.2	21.8	22.0	22.1	22.1	22.5	22.7	23.3	23.4	23.5	23.6	23.7	21.8	23.8	23.1
Feb 24	23.7	**23.9**	23.5	23.6	23.6	23.7	23.4	23.6	23.7	23.6	23.5	23.3	23.2	23.1	23.1	23.0	23.0	23.2	23.1	23.3	23.2	23.3	23.0	23.2	23.0	**23.9**	**23.4**
Feb 25	23.0	23.0	23.1	22.9	23.2	23.0	23.1	23.1	23.0	23.1	22.7	22.8	22.6	22.5	22.5	22.5	22.4	22.4	22.5	22.7	22.6	22.8	22.7	22.6	22.4	23.2	22.8
Feb 26	22.7	22.5	22.7	22.6	22.5	22.8	22.6	22.6	22.7	22.5	22.5	22.4	22.0	22.1	21.7	21.8	22.0	22.4	22.5	22.7	22.8	22.7	22.8	22.8	21.7	22.8	22.5
Feb 27	22.8	23.1	22.7	22.8	22.6	22.6	22.7	23.0	23.0	23.1	22.4	22.3	22.1	21.8	21.8	21.3	21.3	22.0	22.7	22.7	23.0	23.0	23.1	23.2	21.3	23.2	22.5
Feb 28	23.2	23.0	22.8	23.0	22.8	23.2	23.0	23.3	23.1	23.2	22.6	22.5	22.1	21.9	21.5	21.5	22.0	22.5	22.5	22.7	22.6	22.9	22.7	23.0	21.5	23.3	22.7
Diurnal Maximum	23.7	23.9	23.6	23.7	23.6	23.7	23.7	23.7	23.7	23.8	23.7	23.3	23.2	23.1	23.1	23.0	23.0	23.2	23.2	23.4	23.5	23.6	23.6	23.7			
Diurnal Average	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.4	22.2	22.0	21.8	21.9	22.1	22.3	22.4	22.6	22.7	22.7	22.7	22.7			

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

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

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



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

PRECIPITATION in mm

Maximum Hourly Value:	0.4	mm	on Feb 4 at hr 1	Hours in Service:	672		
Maximum Daily Value:	1.0	mm	on Feb 4	Hours of Data:	577		
Minimum Hourly Value:	0.0	mm	on Feb 1 at hr 0	Hours of Missing Data:	95		
Minimum Daily Value:	0.0	mm	on Feb 1	Hours of Calibration:	0		
Monthly Total:	2.7	mm		Operational Uptime:	85.9		

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	Total
Feb 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0.0	0.1	0.1
Feb 3	0	0.1	0.2	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.0	0.3	0.7
Feb 4	0.2	**0.4**	0.1	0.2	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	**0.4**	**1.0**
Feb 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0.0	0.1	0.1
Feb 6	0	0	0	0	0	0	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 7	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Feb 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 10	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.2	0.1	X	X	X	X	X	X	X	X	X	0.0	0.3	NA
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	NRM	NRM	0	0	0	0	0	0	0	0	0	0	0.0	0.0	NA
Feb 15	0	0	0	0	0	0	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 16	0	0	0	0	0	0	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 17	0	0	0	0	0	0	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 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 19	0	0	0	0	0	0	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 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 22	0	0	0	0	0	0	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 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 26	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Feb 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 28	0	0	0	0	0	0	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 Maximum	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3			
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)			

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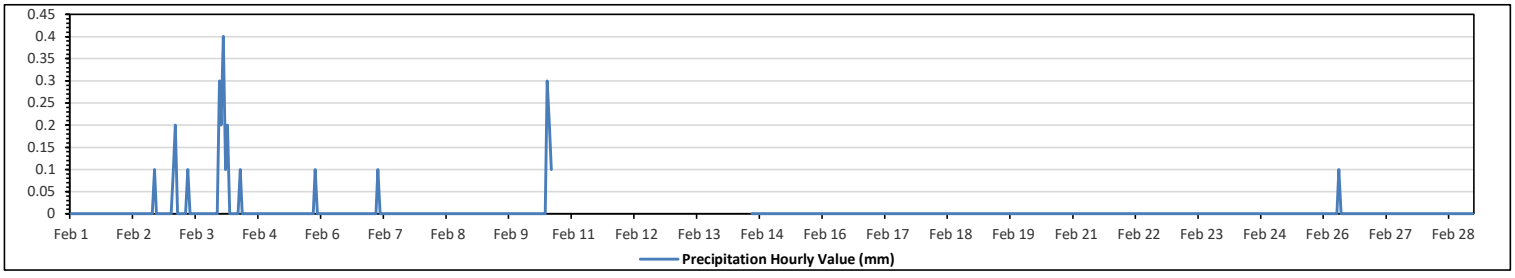


Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

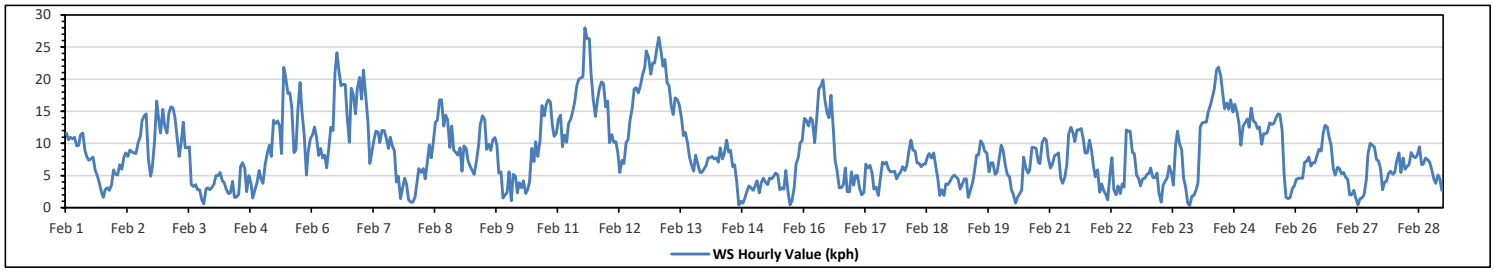
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	28.0	kph	on Feb 11 at hr 13	Hours in Service:	672	
Maximum Daily Value:	17.5	kph	on Feb 11	Hours of Data:	672	
Minimum Hourly Value:	0.3	kph	on Feb 23 at hr 20	Hours of Missing Data:	0	
Minimum Daily Value:	3.9	kph	on Feb 4	Hours of Calibration:	0	
Monthly Average:	2.2	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	11.6	10.6	11.0	10.7	11.0	9.6	9.7	11.4	11.6	8.8	7.9	7.4	7.6	7.9	5.8	5.2	4.0	2.5	1.6	2.8	3.1	2.7	3.6	5.9	1.6	11.6	7.3
Feb 2	5.2	5.1	6.7	6.0	7.8	8.5	8.0	9.0	8.7	8.5	8.4	10.1	11.1	13.5	14.3	14.6	7.6	4.9	6.2	10.2	16.6	13.8	11.6	15.3	4.9	16.6	9.7
Feb 3	12.7	11.6	14.7	15.7	15.5	14.0	10.8	8.0	9.9	13.3	9.3	9.3	9.5	3.6	3.3	3.6	2.8	2.8	1.2	0.6	2.9	3.1	2.8	3.2	0.6	15.7	7.7
Feb 4	3.7	5.0	5.0	5.5	4.2	3.9	2.9	2.2	2.3	4.1	1.6	1.7	2.1	6.4	7.0	6.2	2.5	5.0	3.7	1.5	2.8	4.0	5.8	4.5	1.5	7.0	**3.9**
Feb 5	3.8	6.8	8.6	9.7	8.0	13.6	13.1	13.5	12.7	8.4	21.8	20.3	17.8	17.9	15.6	8.6	9.0	15.1	19.5	14.9	11.2	5.1	8.6	10.7	3.8	21.8	12.3
Feb 6	11.4	12.6	11.1	8.1	9.2	7.7	8.2	6.2	9.4	12.5	12.0	20.9	24.1	21.1	19.0	19.2	19.2	14.3	10.2	18.6	17.7	14.6	18.6	20.3	6.2	24.1	14.4
Feb 7	16.9	21.4	17.5	13.4	6.9	8.6	10.6	11.9	11.8	10.1	12.0	12.0	10.9	9.2	11.0	9.6	8.8	4.0	4.9	1.4	3.0	4.6	3.6	1.3	1.3	21.4	9.4
Feb 8	0.9	0.9	1.6	3.8	6.1	5.5	6.1	4.5	6.8	9.8	7.8	10.5	13.3	13.6	16.8	16.8	12.7	14.4	13.7	9.4	12.7	9.0	8.6	8.2	0.9	16.8	8.9
Feb 9	9.3	5.7	9.6	9.2	7.3	6.4	5.8	5.2	7.2	9.8	12.9	14.3	13.7	9.1	9.9	8.9	10.5	10.9	9.8	5.4	5.6	1.5	2.0	2.4	1.5	14.3	8.0
Feb 10	5.6	1.1	5.2	4.9	2.3	3.9	3.1	4.2	2.2	2.8	4.0	9.2	7.2	10.3	8.0	10.6	15.9	14.3	16.0	16.8	16.5	13.0	11.1	11.6	1.1	16.8	8.3
Feb 11	13.7	14.4	9.5	11.3	10.2	13.1	13.8	15.0	16.4	19.1	20.0	20.2	20.4	**28.0**	26.3	26.3	21.0	16.9	14.2	16.6	18.5	19.6	19.3	15.7	9.5	**28.0**	**17.5**
Feb 12	16.6	10.1	11.4	10.2	10.3	8.6	5.5	7.4	6.9	10.2	10.6	13.6	15.5	18.5	18.7	17.9	18.9	20.6	21.8	24.4	23.4	20.8	22.5	22.5	5.5	24.4	15.3
Feb 13	24.8	26.5	24.3	22.0	23.1	19.4	19.0	15.8	14.5	17.1	16.8	16.0	13.9	11.2	11.7	10.0	7.9	6.7	5.7	8.2	6.8	5.5	5.5	6.0	5.5	26.5	14.1
Feb 14	6.6	7.7	7.8	8.0	7.6	7.8	7.1	9.3	7.6	8.5	10.5	8.7	8.9	6.4	6.7	4.3	0.4	1.0	0.7	1.5	2.5	3.4	3.1	2.7	0.4	10.5	5.8
Feb 15	3.4	4.2	2.3	4.0	4.6	4.0	3.6	4.6	4.5	4.9	5.4	5.1	2.8	3.1	2.9	5.8	2.4	0.5	1.0	3.1	6.8	7.9	10.1	10.4	0.5	10.4	4.5
Feb 16	13.9	13.6	12.7	14.0	13.6	10.1	14.2	18.5	18.9	19.9	16.8	14.7	14.0	17.5	12.5	7.4	5.8	3.1	3.1	3.6	6.2	2.5	2.5	5.6	2.5	19.9	11.0
Feb 17	3.5	5.0	5.0	2.9	2.0	2.4	6.8	6.2	6.6	5.3	2.9	3.2	1.9	4.4	7.1	6.8	7.1	6.0	5.6	5.6	5.7	4.5	5.2	5.6	1.9	7.1	4.9
Feb 18	6.4	5.8	6.6	8.9	10.5	9.0	8.8	7.0	6.9	6.4	6.8	6.8	8.0	8.4	7.7	8.5	6.6	4.5	1.9	2.8	1.9	3.7	3.6	4.1	1.9	10.5	6.3
Feb 19	4.7	5.1	4.8	4.5	2.9	3.6	4.5	4.5	1.6	2.7	4.0	5.5	8.2	8.2	10.4	9.9	8.8	8.5	5.6	7.0	7.0	5.2	5.5	7.7	1.6	10.4	5.9
Feb 20	9.7	8.9	6.6	5.2	4.8	2.8	2.1	0.7	1.6	2.2	2.7	7.9	6.2	5.4	5.9	9.4	9.4	9.2	7.1	6.9	10.1	10.8	10.5	7.7	0.7	10.8	6.4
Feb 21	6.2	6.8	8.1	8.3	8.5	4.6	3.8	4.8	6.7	11.5	12.5	11.7	10.3	12.1	12.1	12.3	10.6	8.5	8.5	10.5	9.0	6.6	4.8	5.9	3.8	12.5	8.5
Feb 22	2.4	3.7	2.7	2.1	1.2	5.3	7.8	2.8	2.0	3.4	2.2	3.7	3.2	12.1	11.9	11.9	8.6	8.4	5.1	4.5	3.4	4.5	4.6	5.2	1.2	12.1	5.1
Feb 23	5.3	6.2	4.7	4.7	5.4	2.3	0.9	3.5	4.2	4.7	6.5	5.4	3.5	9.8	11.9	10.0	9.0	4.6	3.3	0.7	**0.3**	1.8	1.9	2.6	**0.3**	11.9	4.7
Feb 24	3.9	12.6	13.2	13.3	13.3	14.9	16.0	17.0	18.5	21.5	21.9	20.5	17.9	15.4	16.3	15.3	16.8	14.9	16.1	14.8	13.1	9.7	12.7	13.2	3.9	21.9	15.1
Feb 25	13.8	12.5	15.5	13.5	13.2	12.3	12.6	9.9	11.5	11.5	11.8	13.2	13.0	13.1	14.0	14.6	14.5	12.0	5.3	1.6	1.4	1.6	3.0	3.4	1.4	15.5	10.4
Feb 26	4.4	4.6	4.6	4.6	7.1	7.2	7.9	6.5	7.0	7.0	8.1	9.1	8.8	11.5	12.8	12.6	10.9	9.7	6.0	5.1	6.3	6.1	5.3	5.5	4.4	12.8	7.4
Feb 27	4.8	4.4	2.0	2.0	2.7	1.5	0.5	1.4	1.5	2.0	4.4	8.3	10.0	9.7	9.5	7.5	7.3	6.2	2.8	4.0	4.1	5.4	5.7	5.2	0.5	10.0	4.7
Feb 28	5.5	7.3	8.5	5.5	7.7	6.0	6.4	6.8	8.6	8.0	7.8	8.1	9.5	6.7	6.8	7.7	7.5	7.1	5.8	4.5	3.8	5.1	4.5	2.7	2.7	9.5	6.6
Diurnal Maximum	24.8	26.5	24.3	22.0	23.1	19.4	19.0	18.5	18.9	21.5	21.9	20.9	24.1	28.0	26.3	26.3	21.0	20.6	21.8	24.4	23.4	20.8	22.5	22.5			
Diurnal Average	8.2	8.6	8.6	8.3	8.1	7.7	7.8	7.8	8.1	9.1	9.6	10.6	10.5	11.2	11.3	10.8	9.5	8.5	7.4	7.4	7.9	7.0	7.4	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.

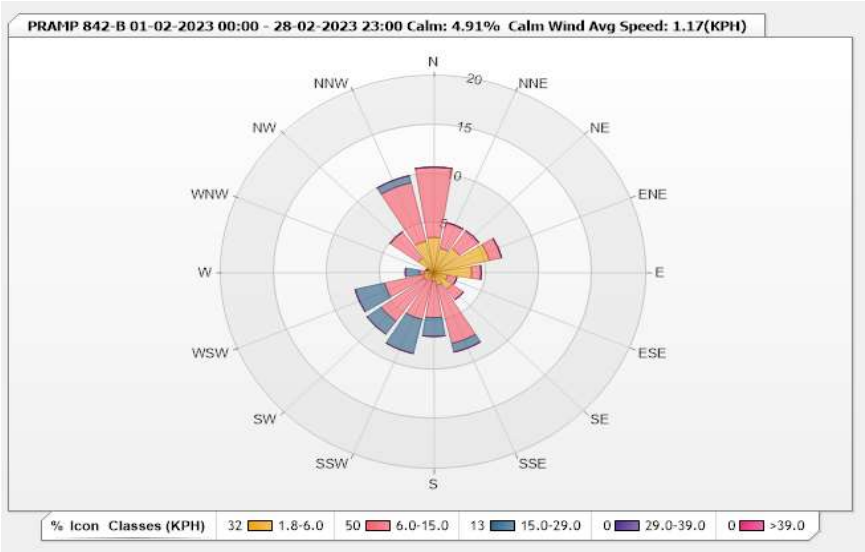


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 02-2023

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

Calm (WS<1.8kph): 4.91% 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	3.57	7.14	0	0	0	10.71
NNE	2.53	2.68	0	0	0	5.21
NE	2.98	2.23	0	0	0	5.21
ENE	5.36	1.19	0	0	0	6.55
E	3.57	0.89	0	0	0	4.46
ESE	1.34	0.89	0	0	0	2.23
SE	2.08	1.34	0	0	0	3.42
SSE	1.34	6.1	0.89	0	0	8.33
S	0.89	3.72	1.93	0	0	6.54
SSW	0.15	4.76	3.57	0	0	8.48
SW	1.04	5.06	1.64	0	0	7.74
WSW	1.04	3.72	2.83	0	0	7.59
W	0.89	0.45	1.34	0	0	2.68
WNW	0.45	0.15	0.15	0	0	0.75
NW	1.79	3.27	0	0	0	5.06
NNW	3.27	6.1	0.74	0	0	10.11
Summary	32.29	49.69	13.09	0	0	95.07



Peace River Area Monitoring Program

842-B Station - February 2023

Summary of Hourly Averages

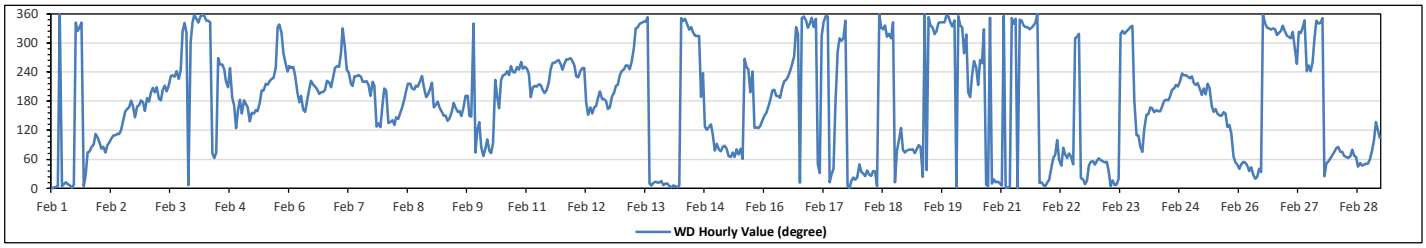
WIND DIRECTION (VWD) in sector

Monthly Average:	227 (SW)	degree	
Hours in Service:	672		
Hours of Data:	672		
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	N	N	N	N	N	N	N	NNE	N	N	N	N	NNW	NW	NNW	NNW	N	NNE	ENE	ENE	E	E	ESE	ESE	8	N
Feb 2	E	E	E	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	SSE	S	SSE	SE	SSE	S	S	S	SSE	141	SE
Feb 3	S	S	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	WSW	NW	NNW	NW	N	WNW	NNW	207	SSW
Feb 4	N	N	NNW	N	N	N	NNW	NNW	NNW	ENE	ENE	ENE	W	WSW	WSW	WSW	SW	SSW	WSW	S	S	ESE	SSE	S	286	WNW
Feb 5	SSE	S	S	SSE	SE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SSW	SW	SW	SW	WSW	NNW	NNW	NW	W	WSW	WSW	209	SSW
Feb 6	WSW	WSW	WSW	SW	SSW	S	S	SSE	SSE	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	WSW	212	SSW
Feb 7	WSW	WSW	W	NNW	WNW	WSW	WSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	S	SW	SSW	SE	SE	SE	S	237	SW
Feb 8	SSW	SSW	SE	SE	SE	SE	SE	SE	SSE	SSE	S	SSW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SSW	S	S	SSW	197	SSW
Feb 9	SW	SSE	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	S	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SE	NNW	ENE	ESE	165	SSE
Feb 10	SE	E	ENE	E	E	ENE	ENE	E	SW	S	SSE	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	236	SW
Feb 11	WSW	SW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	W	W	W	W	240	WSW
Feb 12	WSW	SW	SW	WSW	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	S	SSW	S	S	S	SSE	SSE	S	SSW	SSW	SSW	SW	198	SSW
Feb 13	WSW	WSW	WSW	WSW	WSW	W	WNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N	307	NW
Feb 14	N	N	N	N	N	N	N	NNW	N	NNW	NW	NNW	NW	NW	NW	NW	S	SW	SE	ESE	SE	SE	ESE	ENE	349	NNW
Feb 15	E	E	ENE	E	E	E	ENE	ENE	ENE	ENE	E	ENE	E	ENE	W	WSW	WSW	SSW	WSW	SE	SE	ESE	SE	SE	102	E
Feb 16	SSE	SSE	SSE	S	SSW	SSW	S	S	S	SSW	SW	SW	SW	WSW	WSW	W	NNW	NW	NNE	N	N	NNW	NNW	NNW	209	SSW
Feb 17	N	NNW	N	NE	NNE	NW	NNW	N	N	NNE	NNE	NE	S	W	NW	WNW	NW	NNW	N	N	NNE	NNE	NNE	NNE	351	N
Feb 18	NE	NE	NNE	NNE	NE	NNE	NNE	NE	NE	N	N	NNW	NNW	NNW	NW	NW	NW	NNW	NNE	ENE	E	SE	ENE	ENE	13	NNE
Feb 19	ENE	E	E	E	ENE	E	E	E	NNE	N	NE	N	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	1	N
Feb 20	NNW	N	N	NNW	NNW	W	NW	SSW	S	SW	W	WSW	SSW	W	WSW	NNW	N	N	N	N	NNE	NNE	NNE	N	343	NNW
Feb 21	N	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	N	NNE	350	N
Feb 22	NNE	NE	ENE	ENE	E	ENE	NE	E	ENE	ENE	ENE	ENE	NE	NW	NW	NW	NNE	NNE	N	NNE	NE	NE	NE	NE	21	NNE
Feb 23	ENE	ENE	ENE	NE	NE	NE	NE	N	NNE	N	N	NNE	NW	NW	NW	NW	NNW	NNW	NNW	S	ESE	ESE	E	ENE	4	N
Feb 24	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	188	S
Feb 25	SW	SW	SSW	SW	SSW	S	SSW	SSW	SW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	ENE	NE	NE	182	S
Feb 26	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	N	NNW	NNW	NNW	NW	NNW	NNW	NW	NW	NW	NNW	NW	0	N
Feb 27	NW	NW	NW	NW	WNW	WSW	NW	NW	NNW	NNW	WSW	WSW	WSW	WSW	NW	NNW	NNW	NNW	N	NNE	NE	NE	ENE	ENE	319	NW
Feb 28	ENE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	SE	ESE	ESE	69	ENE

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 2023

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	28.0	kph	on Feb 11 at hr 13	Hours in Service:	672
Maximum Daily Value:	17.5	kph	on Feb 11	Hours of Data:	672
Minimum Hourly Value:	0.3	kph	on Feb 23 at hr 20	Hours of Missing Data:	0
Minimum Daily Value:	3.9	kph	on Feb 4	Hours of Calibration:	0
Monthly Average:	2.2	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 227 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	11.6	10.6	11.0	10.7	11.0	9.6	9.7	11.4	11.6	8.8	7.9	7.4	7.6	7.9	5.8	5.2	4.0	2.5	1.6	2.8	3.1	2.7	3.6	5.9	1.6	11.6	7.3
	N	N	N	N	N	N	N	NNE	N	N	N	N	NNW	NW	NNW	NNW	N	NNE	ENE	ENE	E	E	ESE	ESE			
Feb 2	5.2	5.1	6.7	6.0	7.8	8.5	8.0	9.0	8.7	8.5	8.4	10.1	11.1	13.5	14.3	14.6	7.6	4.9	6.2	10.2	16.6	13.8	11.6	15.3	4.9	16.6	9.7
	E	E	E	ENE	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	SSE	SSE	SSE	S	SSE	SE	SSE	S	S	S	SSE			
Feb 3	12.7	11.6	14.7	15.7	15.5	14.0	10.8	8.0	9.9	13.3	9.3	9.3	9.5	3.6	3.3	3.6	2.8	2.8	1.2	0.6	2.9	3.1	2.8	3.2	0.6	15.7	7.7
	S	S	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	WSW	NW	NNW	NW	N	WNW	NNW			
Feb 4	3.7	5.0	5.0	5.5	4.2	3.9	2.9	2.2	2.3	4.1	1.6	1.7	2.1	6.4	7.0	6.2	2.5	5.0	3.7	1.5	2.8	4.0	5.8	4.5	1.5	7.0	**3.9**
	N	N	NNW	N	N	N	NNW	NNW	NNW	ENE	ENE	ENE	W	WSW	WSW	WSW	SW	SSW	WSW	S	S	ESE	SSE	S			
Feb 5	3.8	6.8	8.6	9.7	8.0	13.6	13.1	13.5	12.7	8.4	21.8	20.3	17.8	17.9	15.6	8.6	9.0	15.1	19.5	14.9	11.2	5.1	8.6	10.7	3.8	21.8	12.3
	SSE	S	S	SSE	SE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SSW	SW	SW	SW	WSW	NNW	NNW	NW	W	WSW	WSW			
Feb 6	11.4	12.6	11.1	8.1	9.2	7.7	8.2	6.2	9.4	12.5	12.0	20.9	24.1	21.1	19.0	19.2	19.2	14.3	10.2	18.6	17.7	14.6	18.6	20.3	6.2	24.1	14.4
	WSW	WSW	WSW	SW	SSW	S	S	SSE	SSE	S	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	WSW			
Feb 7	16.9	21.4	17.5	13.4	6.9	8.6	10.6	11.9	11.8	10.1	12.0	12.0	10.9	9.2	11.0	9.6	8.8	4.0	4.9	1.4	3.0	4.6	3.6	1.3	1.3	21.4	9.4
	WSW	WSW	W	NNW	WNW	WSW	WSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	S	SW	SSW	SE	SE	SE	S			
Feb 8	0.9	0.9	1.6	3.8	6.1	5.5	6.1	4.5	6.8	9.8	7.8	10.5	13.3	13.6	16.8	16.8	12.7	14.4	13.7	9.4	12.7	9.0	8.6	8.2	0.9	16.8	8.9
	SSW	SSW	SE	SE	SE	SE	SE	SE	SSE	SSE	S	SSW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SSW	S	S	SSW			
Feb 9	9.3	5.7	9.6	9.2	7.3	6.4	5.8	5.2	7.2	9.8	12.9	14.3	13.7	9.1	9.9	8.9	10.5	10.9	9.8	5.4	5.6	1.5	2.0	2.4	1.5	14.3	8.0
	SW	SSE	S	S	SSE	SSE	SSE	SSE	SE	SE	SSE	S	SSE	SSE	SSE	SSE	SSE	S	S	SSE	SE	NNW	ENE	ESE			
Feb 10	5.6	1.1	5.2	4.9	2.3	3.9	3.1	4.2	2.2	2.8	4.0	9.2	7.2	10.3	8.0	10.6	15.9	14.3	16.0	16.8	16.5	13.0	11.1	11.6	1.1	16.8	8.3
	SE	E	ENE	E	E	ENE	ENE	E	SW	S	SSE	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW			
Feb 11	13.7	14.4	9.5	11.3	10.2	13.1	13.8	15.0	16.4	19.1	20.0	20.2	20.4	**28.0**	26.3	26.3	21.0	16.9	14.2	16.6	18.5	19.6	19.3	15.7	9.5	**28.0**	**17.5**
	WSW	SW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	W	W	W	W			
Feb 12	16.6	10.1	11.4	10.2	10.3	8.6	5.5	7.4	6.9	10.2	10.6	13.6	15.5	18.5	18.7	17.9	18.9	20.6	21.8	24.4	23.4	20.8	22.5	22.5	5.5	24.4	15.3
	WSW	SW	SW	WSW	WSW	WSW	S	SSE	SSE	SSE	SSE	SSE	S	SSW	S	S	S	SSE	SSE	S	SSW	SSW	SSW	SW			
Feb 13	24.8	26.5	24.3	22.0	23.1	19.4	19.0	15.8	14.5	17.1	16.8	16.0	13.9	11.2	11.7	10.0	7.9	6.7	5.7	8.2	6.8	5.5	5.5	6.0	5.5	26.5	14.1
	WSW	WSW	WSW	WSW	WSW	W	WNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N			
Feb 14	6.6	7.7	7.8	8.0	7.6	7.8	7.1	9.3	7.6	8.5	10.5	8.7	8.9	6.4	6.7	4.3	0.4	1.0	0.7	1.5	2.5	3.4	3.1	2.7	0.4	10.5	5.8
	N	N	N	N	N	N	N	NNW	N	NNW	NW	NNW	NW	NW	NW	NW	S	SW	SE	ESE	SE	SE	ESE	ENE			
Feb 15	3.4	4.2	2.3	4.0	4.6	4.0	3.6	4.6	4.5	4.9	5.4	5.1	2.8	3.1	2.9	5.8	2.4	0.5	1.0	3.1	6.8	7.9	10.1	10.4	0.5	10.4	4.5
	E	E	ENE	E	E	E	ENE	ENE	ENE	ENE	E	ENE	E	ENE	W	WSW	WSW	SSW	WSW	SE	SE	ESE	SE	SE			
Feb 16	13.9	13.6	12.7	14.0	13.6	10.1	14.2	18.5	18.9	19.9	16.8	14.7	14.0	17.5	12.5	7.4	5.8	3.1	3.1	3.6	6.2	2.5	2.5	5.6	2.5	19.9	11.0
	SSE	SSE	SSE	S	SSW	SSW	S	S	S	SSW	SW	SW	SW	WSW	WSW	W	NNW	NW	NNE	N	N	NNW	NNW	NNW			
Feb 17	3.5	5.0	5.0	2.9	2.0	2.4	6.8	6.2	6.6	5.3	2.9	3.2	1.9	4.4	7.1	6.8	7.1	6.0	5.6	5.6	5.7	4.5	5.2	5.6	1.9	7.1	4.9
	N	NNW	N	NE	NNE	NW	NNW	N	N	NNE	NNE	NE	S	W	NW	WNW	NW	NNW	N	N	NNE	NNE	NNE	NNE			
Feb 18	6.4	5.8	6.6	8.9	10.5	9.0	8.8	7.0	6.9	6.4	6.8	6.8	8.0	8.4	7.7	8.5	6.6	4.5	1.9	2.8	1.9	3.7	3.6	4.1	1.9	10.5	6.3
	NE	NE	NNE	NNE	NE	NNE	NNE	NE	NE	N	N	NNW	NNW	NNW	NW	NW	NW	NNW	NNE	ENE	E	SE	ENE	ENE			
Feb 19	4.7	5.1	4.8	4.5	2.9	3.6	4.5	4.5	1.6	2.7	4.0	5.5	8.2	8.2	10.4	9.9	8.8	8.5	5.6	7.0	7.0	5.2	5.5	7.7	1.6	10.4	5.9
	ENE	E	E	E	ENE	E	E	E	NNE	N	NE	N	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNW	NNW			
Feb 20	9.7	8.9	6.6	5.2	4.8	2.8	2.1	0.7	1.6	2.2	2.7	7.9	6.2	5.4	5.9	9.4	9.4	9.2	7.1	6.9	10.1	10.8	10.5	7.7	0.7	10.8	6.4
	NNW	N	N	NNW	NNW	W	NW	SSW	S	SW	W	WSW	SSW	W	WSW	NNW	N	N	N	N	NNE	NNE	NNE	N			
Feb 21	6.2	6.8	8.1	8.3	8.5	4.6	3.8	4.8	6.7	11.5	12.5	11.7	10.3	12.1	12.1	12.3	10.6	8.5	8.5	10.5	9.0	6.6	4.8	5.9	3.8	12.5	8.5
	N	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	N	NNE			
Feb 22	2.4	3.7	2.7	2.1	1.2	5.3	7.8	2.8	2.0	3.4	2.2	3.7	3.2	12.1	11.9	11.9	8.6	8.4	5.1	4.5	3.4	4.5	4.6	5.2	1.2	12.1	5.1
	NNE	NE	ENE	ENE	E	ENE	NE	E	ENE	ENE	ENE	ENE	NE	NW	NW	NW	NNE	NNE	N	NNE	NE	NE	NE	NE			
Feb 23	5.3	6.2	4.7	4.7	5.4	2.3	0.9	3.5	4.2	4.7	6.5	5.4	3.5	9.8	11.9	10.0	9.0	4.6	3.3	0.7	**0.3**	1.8	1.9	2.6	**0.3**	11.9	4.7
	ENE	ENE	ENE	NE	NE	NE	NE	N	NNE	N	N	NNE	NW	NW	NW	NW	NNW	NNW	NNW	S	ESE	ESE	E	ENE			
Feb 24	3.9	12.6	13.2	13.3	13.3	14.9	16.0	17.0	18.5	21.5	21.9	20.5	17.9	15.4	16.3	15.3	16.8	14.9	16.1	14.8	13.1	9.7	12.7	13.2	3.9	21.9	15.1
	ESE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW			
Feb 25	13.8	12.5	15.5	13.5	13.2	12.3	12.6	9.9	11.5	11.5	11.8	13.2	13.0	13.1	14.0	14.6	14.5	12.0	5.3	1.6	1.4	1.6	3.0	3.4	1.4	15.5	10.4
	SW	SW	SSW	SW	SSW	S	SSW	SSW	SW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	ESE	ENE	NE	NE			
Feb 26	4.4	4.6	4.6	4.6	7.1	7.2	7.9	6.5	7.0	7.0	8.1	9.1	8.8	11.5	12.8	12.6	10.9	9.7	6.0	5.1	6.3	6.1	5.3	5.5	4.4	12.8	7.4
	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NE	N	NNW	NNW	NNW	NW	NNW	NNW	NW	NW	NW	NNW	NW			
Feb 27	4.8	4.4	2.0	2.0	2.7	1.5	0.5	1.4	1.5	2.0	4.4	8.3	10.0	9.7	9.5	7.5	7.3	6.2	2.8	4.0	4.1	5.4	5.7	5.2	0.5	10.0	4.7
	NW	NW	NW	NW	WNW	WSW	NW	NW	NNW	NNW	WSW	WSW	WSW	WSW	NW	NNW	NNW	NNW	N	NNE	NE	NE	ENE	ENE			
Feb 28	5.5	7.3	8.5	5.5	7.7	6.0	6.4	6.8	8.6	8.0	7.8	8.1	9.5	6.7	6.8	7.7	7.5	7.1	5.8	4.5	3.8	5.1	4.5	2.7	2.7	9.5	6.6
	ENE	E	E	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	SE	ESE	ESE			

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 2023

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

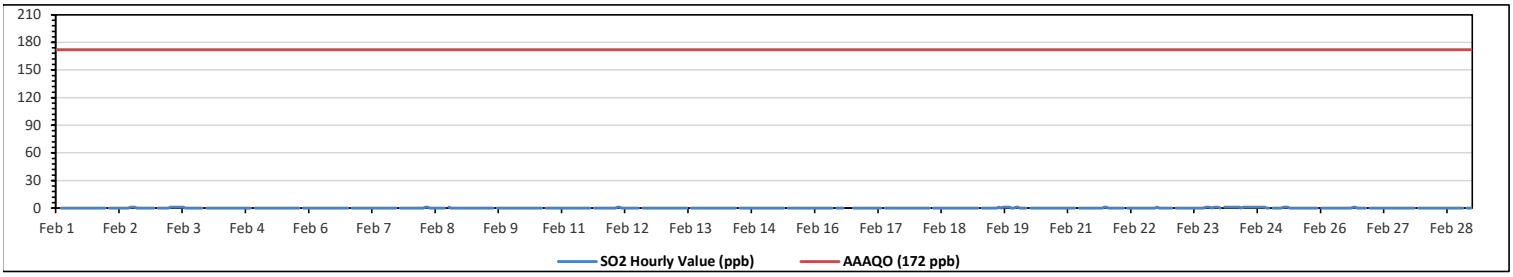
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

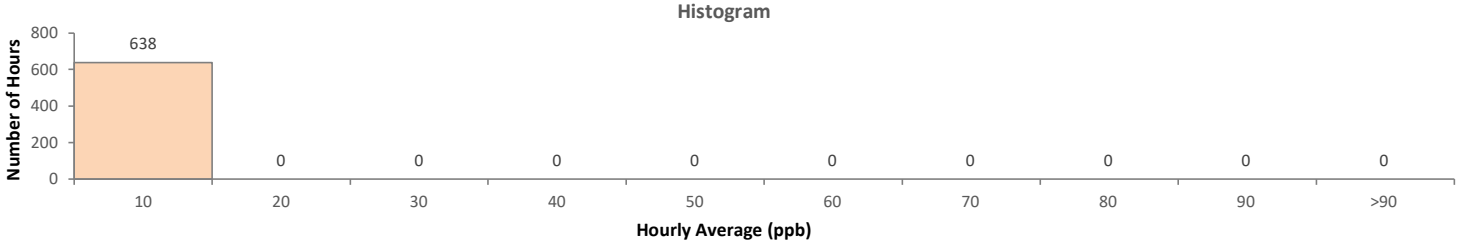
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Feb 2 at hr 11	Hours in Service:	672	
Maximum Daily Value:	0.8	ppb	on Feb 24	Hours of Data:	638	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 1	Hours of Calibration:	34	
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	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 2	S	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	S	0	1	0.1
Feb 3	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	S	0	0	1	0.3
Feb 4	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 5	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 6	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 7	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 8	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	1	0.1
Feb 9	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 10	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 11	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 12	0	0	1	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Feb 13	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 14	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 15	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 16	0	0	0	0	0	0	0	0	0	S	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0.0
Feb 17	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 18	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 19	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	0	1	0.3
Feb 20	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	1	0.0
Feb 21	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0.1
Feb 22	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.0
Feb 23	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	1	0.3
Feb 24	0	S	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	**0.8**
Feb 25	S	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.1
Feb 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	S	0	0	1	0.1
Feb 27	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 28	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	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.2	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.



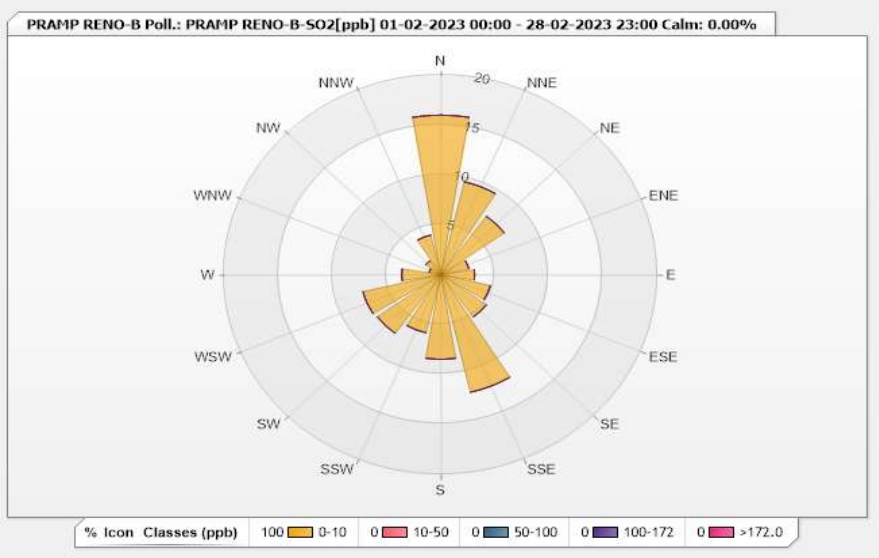


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	15.99	0	0	0	0	15.99
NNE	9.56	0	0	0	0	9.56
NE	7.21	0	0	0	0	7.21
ENE	2.66	0	0	0	0	2.66
E	3.13	0	0	0	0	3.13
ESE	4.7	0	0	0	0	4.7
SE	5.17	0	0	0	0	5.17
SSE	12.07	0	0	0	0	12.07
S	8.46	0	0	0	0	8.46
SSW	5.96	0	0	0	0	5.96
SW	7.21	0	0	0	0	7.21
WSW	7.37	0	0	0	0	7.37
W	3.61	0	0	0	0	3.61
WNW	1.1	0	0	0	0	1.1
NW	1.72	0	0	0	0	1.72
NNW	4.08	0	0	0	0	4.08
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

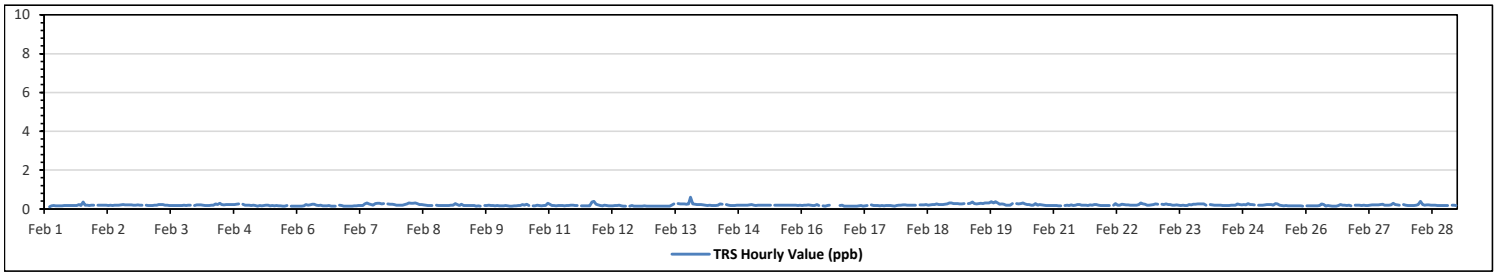
TOTAL REDUCED SULPHUR (TRS) in ppb

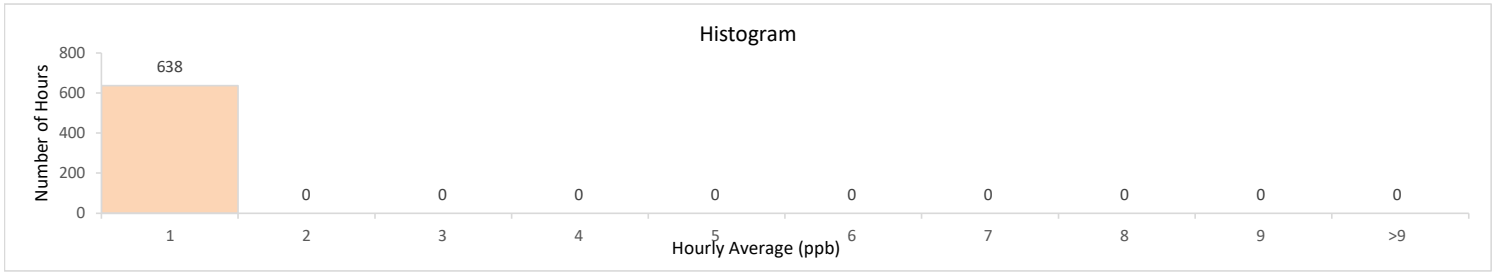
Maximum Hourly Value:	0.61	ppb	on Feb 13 at hr 19	Hours in Service:	672	
Maximum Daily Value:	0.29	ppb	on Feb 19	Hours of Data:	638	
Minimum Hourly Value:	0.11	ppb	on Feb 1 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	0.16	ppb	on Feb 12	Hours of Calibration:	34	
Monthly Average:	0.20	ppb		Operational 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	0.16	S	0.11	0.16	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.17	0.18	0.18	0.18	0.22	0.18	0.35	0.19	0.2	0.18	0.19	0.19	0.11	0.35	0.18
Feb 2	S	0.2	0.19	0.19	0.19	0.19	0.18	0.19	0.18	0.19	0.2	0.2	0.21	0.22	0.21	0.21	0.21	0.21	0.2	0.2	0.21	0.2	0.2	S	0.18	0.22	0.20
Feb 3	0.19	0.18	0.17	0.17	0.19	0.19	0.22	0.23	0.22	0.19	0.19	0.18	0.17	0.18	0.18	0.17	0.17	0.18	0.19	0.17	0.2	0.19	S	0.18	0.17	0.23	0.19
Feb 4	0.21	0.21	0.21	0.19	0.18	0.17	0.18	0.19	0.2	0.26	0.23	0.29	0.22	0.21	0.22	0.22	0.22	0.23	0.22	0.24	0.25	S	0.24	0.19	0.17	0.29	0.22
Feb 5	0.2	0.19	0.18	0.2	0.18	0.15	0.18	0.16	0.17	0.2	0.2	0.16	0.18	0.16	0.17	0.16	0.16	0.14	0.13	0.17	S	0.14	0.14	0.14	0.13	0.20	0.17
Feb 6	0.14	0.15	0.14	0.16	0.22	0.19	0.21	0.24	0.24	0.2	0.17	0.19	0.16	0.16	0.16	0.17	0.15	0.15	0.14	S	0.19	0.18	0.15	0.14	0.14	0.24	0.17
Feb 7	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.26	0.31	0.26	0.22	0.2	0.28	0.29	0.29	0.26	0.28	S	0.26	0.24	0.24	0.22	0.2	0.14	0.31	0.22
Feb 8	0.2	0.2	0.2	0.23	0.25	0.32	0.29	0.29	0.31	0.28	0.23	0.23	0.21	0.2	0.18	0.18	0.18	S	0.19	0.17	0.17	0.17	0.18	0.17	0.17	0.32	0.22
Feb 9	0.18	0.19	0.2	0.28	0.22	0.17	0.24	0.18	0.18	0.18	0.17	0.17	0.17	0.15	0.16	0.15	S	0.17	0.17	0.19	0.18	0.18	0.16	0.17	0.15	0.28	0.18
Feb 10	0.16	0.16	0.16	0.17	0.16	0.15	0.15	0.16	0.16	0.18	0.18	0.23	0.2	0.24	0.17	S	0.16	0.16	0.19	0.17	0.16	0.17	0.18	0.29	0.15	0.29	0.18
Feb 11	0.24	0.17	0.17	0.16	0.17	0.18	0.17	0.16	0.18	0.18	0.19	0.19	0.18	0.18	S	0.16	0.16	0.16	0.16	0.16	0.35	0.39	0.24	0.21	0.16	0.39	0.20
Feb 12	0.18	0.16	0.19	0.17	0.16	0.16	0.16	0.18	0.17	0.19	0.16	0.13	0.13	S	0.15	0.17	0.15	0.13	0.13	0.15	0.14	0.16	0.15	0.14	0.13	0.19	0.16
Feb 13	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.19	0.26	S	0.28	0.26	0.25	0.25	0.24	0.25	**0.61**	0.25	0.24	0.23	0.22	0.14	**0.61**	0.22
Feb 14	0.22	0.21	0.2	0.18	0.19	0.17	0.18	0.18	0.2	0.26	0.24	S	0.22	0.2	0.17	0.18	0.18	0.19	0.19	0.2	0.2	0.19	0.2	0.21	0.17	0.26	0.20
Feb 15	0.23	0.19	0.18	0.19	0.2	0.2	0.19	0.19	0.2	0.2	S	0.2	0.2	0.19	0.19	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.18	0.19	0.18	0.23	0.20
Feb 16	0.18	0.19	0.2	0.21	0.2	0.17	0.18	0.23	0.18	S	0.16	0.15	0.18	0.19	C	C	C	C	0.18	0.19	0.15	0.13	0.14	0.15	0.13	0.23	0.18
Feb 17	0.14	0.14	0.14	0.16	0.18	0.14	0.16	0.18	S	0.21	0.18	0.18	0.17	0.16	0.17	0.16	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.2	0.14	0.21	0.17
Feb 18	0.21	0.21	0.19	0.19	0.2	0.2	0.2	S	0.21	0.21	0.21	0.22	0.2	0.21	0.22	0.22	0.26	0.23	0.23	0.23	0.24	0.25	0.3	0.3	0.19	0.30	0.22
Feb 19	0.28	0.27	0.27	0.25	0.26	0.27	S	0.28	0.29	0.36	0.27	0.26	0.27	0.29	0.28	0.31	0.31	0.32	0.37	0.32	0.38	0.31	0.24	0.25	0.24	0.38	**0.29**
Feb 20	0.24	0.19	0.19	0.2	0.28	S	0.27	0.26	0.27	0.3	0.25	0.23	0.22	0.2	0.19	0.28	0.19	0.22	0.21	0.19	0.17	0.17	0.17	0.17	0.17	0.30	0.22
Feb 21	0.17	0.17	0.16	0.16	S	0.18	0.19	0.18	0.21	0.17	0.2	0.22	0.22	0.19	0.2	0.2	0.18	0.21	0.2	0.23	0.23	0.19	0.17	0.17	0.16	0.23	0.19
Feb 22	0.17	0.17	0.18	S	0.19	0.27	0.2	0.19	0.24	0.22	0.21	0.21	0.2	0.19	0.19	0.2	0.22	0.32	0.26	0.24	0.19	0.2	0.21	0.23	0.17	0.32	0.21
Feb 23	0.25	0.24	S	0.24	0.23	0.25	0.22	0.23	0.2	0.2	0.21	0.2	0.18	0.19	0.18	0.17	0.23	0.21	0.24	0.24	0.25	0.26	0.26	0.26	0.17	0.26	0.22
Feb 24	0.19	S	0.23	0.21	0.2	0.2	0.2	0.19	0.18	0.18	0.18	0.18	0.19	0.19	0.2	0.25	0.23	0.21	0.22	0.21	0.27	0.23	0.22	0.21	0.18	0.27	0.21
Feb 25	S	0.2	0.19	0.19	0.21	0.22	0.23	0.22	0.19	0.28	0.25	0.19	0.17	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.14	S	0.14	0.28	0.19
Feb 26	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.25	0.22	0.15	0.17	0.16	0.15	0.15	0.15	0.18	0.22	0.2	0.19	0.17	0.19	0.16	S	0.2	0.15	0.25	0.18
Feb 27	0.19	0.19	0.18	0.19	0.18	0.18	0.19	0.21	0.21	0.21	0.21	0.22	0.24	0.19	0.19	0.19	0.21	0.29	0.22	0.21	0.19	S	0.22	0.19	0.18	0.29	0.20
Feb 28	0.17	0.18	0.18	0.17	0.19	0.22	0.39	0.22	0.2	0.21	0.21	0.2	0.2	0.19	0.18	0.18	0.18	0.18	0.18	0.18	S	0.19	0.19	0.18	0.17	0.39	0.20
Diurnal Maximum	0.28	0.27	0.27	0.28	0.28	0.32	0.39	0.29	0.31	0.36	0.27	0.29	0.27	0.29	0.29	0.31	0.31	0.32	0.37	0.61	0.38	0.39	0.30	0.30			
Diurnal Average	0.19	0.19	0.18	0.19	0.20	0.19	0.20	0.20	0.21	0.22	0.20	0.20	0.19	0.20	0.19	0.20	0.20	0.21	0.21	0.22	0.21	0.20	0.20	0.20			

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.



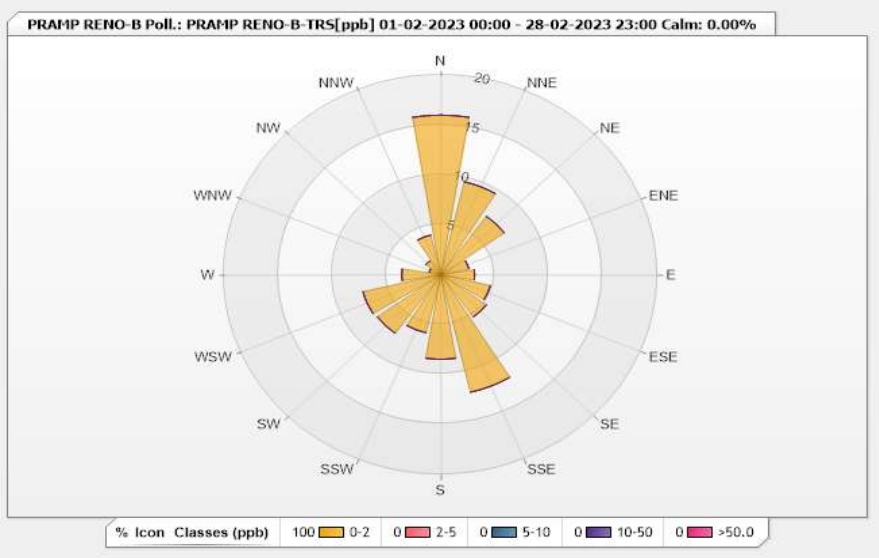


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	15.99	0	0	0	0	15.99
NNE	9.56	0	0	0	0	9.56
NE	7.21	0	0	0	0	7.21
ENE	2.66	0	0	0	0	2.66
E	3.13	0	0	0	0	3.13
ESE	4.7	0	0	0	0	4.7
SE	5.17	0	0	0	0	5.17
SSE	12.07	0	0	0	0	12.07
S	8.46	0	0	0	0	8.46
SSW	5.96	0	0	0	0	5.96
SW	7.21	0	0	0	0	7.21
WSW	7.37	0	0	0	0	7.37
W	3.61	0	0	0	0	3.61
WNW	1.1	0	0	0	0	1.1
NW	1.72	0	0	0	0	1.72
NNW	4.08	0	0	0	0	4.08
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

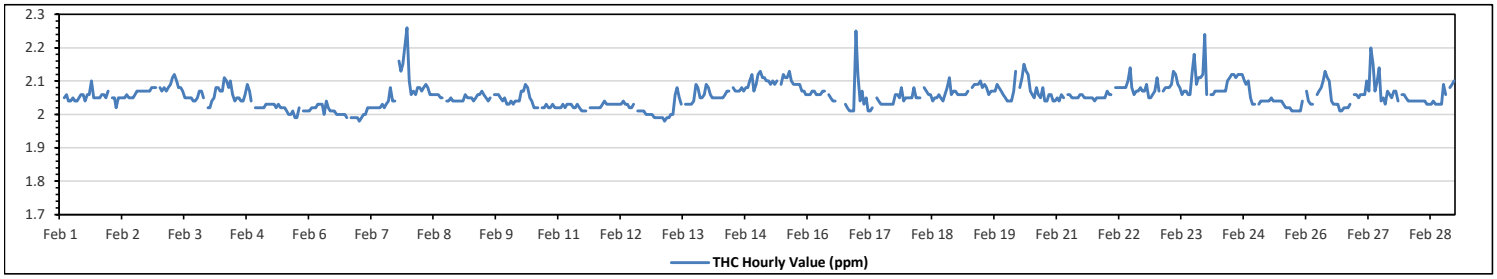
TOTAL HYDROCARBONS (THC) in ppm

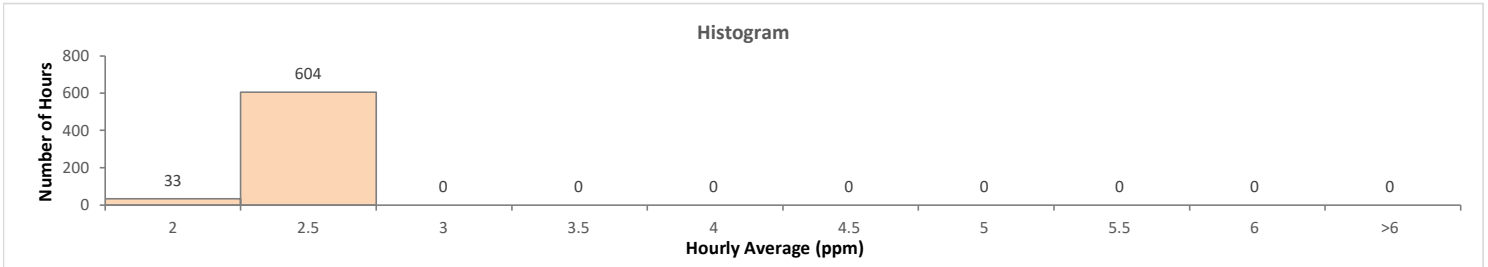
Maximum Hourly Value:	2.26	ppm	on Feb 7 at hr 23	Hours in Service:	672
Maximum Daily Value:	2.10	ppm	on Feb 23	Hours of Data:	637
Minimum Hourly Value:	1.98	ppm	on Feb 7 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	2.01	ppm	on Feb 6	Hours of Calibration:	34
Monthly Average:	2.05	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	2.05	S	2.05	2.06	2.04	2.04	2.05	2.04	2.04	2.05	2.06	2.06	2.04	2.06	2.06	2.10	2.05	2.05	2.05	2.05	2.06	2.06	2.05	2.07	2.04	2.10	2.05
Feb 2	S	2.05	2.05	2.02	2.05	2.05	2.05	2.05	2.06	2.05	2.05	2.05	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	S	2.02	2.08	2.06
Feb 3	2.08	2.07	2.08	2.07	2.08	2.09	2.11	2.12	2.10	2.08	2.08	2.07	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.07	2.07	2.05	S	2.02	2.02	2.12	2.07
Feb 4	2.02	2.04	2.05	2.08	2.08	2.07	2.07	2.11	2.10	2.08	2.10	2.06	2.04	2.05	2.05	2.04	2.04	2.06	2.09	2.07	2.04	S	2.02	2.02	2.02	2.11	2.06
Feb 5	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.02	2.02	2.02	2.01	2.00	2.00	2.01	1.99	1.99	2.02	S	2.01	2.01	2.01	1.99	2.03	2.02
Feb 6	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.00	2.04	2.02	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	S	1.99	1.99	1.99	1.99	1.99	2.04	2.01
Feb 7	1.98	1.99	2.00	2.00	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.03	2.04	2.08	2.04	2.04	S	2.16	2.13	2.15	2.21	**2.26**	1.98	**2.26**	2.06
Feb 8	2.10	2.06	2.07	2.06	2.08	2.08	2.07	2.08	2.09	2.08	2.06	2.06	2.06	2.06	2.06	2.05	2.05	S	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.10	2.06
Feb 9	2.04	2.04	2.04	2.06	2.05	2.05	2.05	2.04	2.05	2.06	2.06	2.07	2.06	2.05	2.04	2.05	S	2.06	2.06	2.06	2.05	2.04	2.05	2.03	2.03	2.07	2.05
Feb 10	2.03	2.04	2.03	2.04	2.04	2.04	2.07	2.07	2.09	2.08	2.05	2.04	2.02	2.02	2.02	S	2.02	2.02	2.03	2.02	2.02	2.03	2.02	2.02	2.02	2.09	2.04
Feb 11	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.03	2.02	2.01	2.01	2.01	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.03	2.01	2.04	2.02
Feb 12	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.02	2.02	2.03	S	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.04	2.02
Feb 13	1.99	1.99	1.99	1.98	1.99	1.99	2.00	2.00	2.06	2.08	2.05	2.03	S	2.03	2.03	2.03	2.03	2.04	2.09	2.08	2.05	2.05	2.06	2.09	1.98	2.09	2.03
Feb 14	2.08	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	S	2.08	2.07	2.07	2.07	2.08	2.07	2.08	2.08	2.10	2.12	2.07	2.09	2.05	2.12	2.07
Feb 15	2.12	2.13	2.11	2.11	2.10	2.10	2.09	2.10	2.09	2.10	S	2.09	2.12	2.11	2.11	2.13	2.10	2.09	2.09	2.09	2.09	2.07	2.07	2.06	2.06	2.13	2.10
Feb 16	2.06	2.06	2.07	2.07	2.06	2.06	2.06	2.07	2.07	S	2.06	2.05	2.04	2.04	C	C	C	C	2.03	2.02	2.01	2.01	2.01	2.25	2.01	2.25	2.06
Feb 17	2.12	2.04	2.07	2.03	2.05	2.01	2.01	2.02	S	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.06	2.06	2.05	2.08	2.04	2.05	2.01	2.12	2.04
Feb 18	2.05	2.05	2.05	2.08	2.05	2.05	2.05	S	2.08	2.07	2.06	2.06	2.04	2.05	2.05	2.06	2.05	2.04	2.06	2.08	2.11	2.06	2.07	2.07	2.04	2.11	2.06
Feb 19	2.06	2.06	2.06	2.06	2.06	2.07	S	2.08	2.09	2.09	2.09	2.10	2.08	2.09	2.08	2.06	2.07	2.07	2.07	2.09	2.08	2.07	2.06	2.05	2.05	2.10	2.07
Feb 20	2.04	2.04	2.04	2.07	2.13	S	2.08	2.11	2.15	2.13	2.12	2.07	2.06	2.05	2.08	2.06	2.05	2.08	2.04	2.04	2.06	2.06	2.04	2.04	2.04	2.15	2.07
Feb 21	2.05	2.04	2.06	2.05	S	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.06	2.05
Feb 22	2.07	2.06	2.06	S	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.14	2.08	2.06	2.07	2.07	2.08	2.07	2.07	2.09	2.05	2.05	2.06	2.07	2.05	2.14	2.08
Feb 23	2.11	2.07	S	2.07	2.08	2.08	2.08	2.09	2.13	2.12	2.09	2.08	2.06	2.07	2.07	2.06	2.06	2.13	2.18	2.09	2.11	2.11	2.12	2.24	2.06	2.24	**2.10**
Feb 24	2.06	S	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.10	2.11	2.12	2.12	2.11	2.12	2.12	2.12	2.10	2.09	2.10	2.05	2.03	2.03	2.03	2.12	2.08
Feb 25	S	2.03	2.04	2.04	2.04	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.04	S	2.01	2.05	2.03
Feb 26	2.07	2.04	2.03	2.03	K	2.06	2.07	2.08	2.10	2.13	2.11	2.10	2.04	2.03	2.03	2.03	2.01	2.01	2.02	2.02	2.02	2.03	S	2.06	2.01	2.13	2.05
Feb 27	2.06	2.05	2.06	2.06	2.06	2.10	2.07	2.20	2.15	2.07	2.10	2.14	2.04	2.05	2.03	2.07	2.06	2.05	2.07	2.07	2.04	S	2.06	2.06	2.03	2.20	2.07
Feb 28	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.03	2.09	2.06	S	2.08	2.09	2.10	2.03	2.10	2.05
Diurnal Maximum	2.12	2.13	2.11	2.11	2.13	2.10	2.11	2.20	2.15	2.13	2.12	2.14	2.12	2.12	2.11	2.13	2.12	2.13	2.18	2.16	2.13	2.15	2.21	2.26			
Diurnal Average	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.05	2.05	2.07			

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.



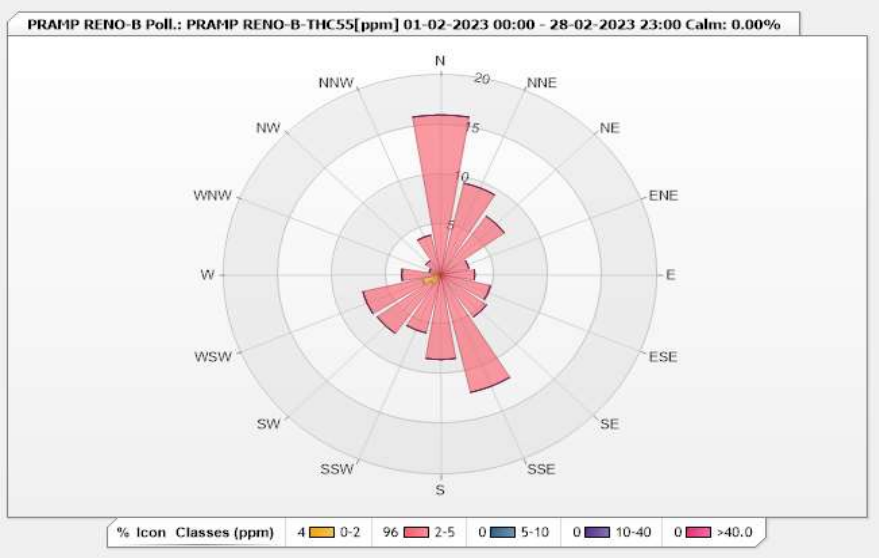


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	16.01	0	0	0	16.01
NNE	0	9.42	0	0	0	9.42
NE	0	7.22	0	0	0	7.22
ENE	0	2.67	0	0	0	2.67
E	0	3.14	0	0	0	3.14
ESE	0	4.71	0	0	0	4.71
SE	0	5.18	0	0	0	5.18
SSE	0	12.09	0	0	0	12.09
S	0.16	8.32	0	0	0	8.48
SSW	0.16	5.81	0	0	0	5.97
SW	1.1	6.12	0	0	0	7.22
WSW	1.73	5.65	0	0	0	7.38
W	0.63	2.98	0	0	0	3.61
WNW	0	1.1	0	0	0	1.1
NW	0	1.73	0	0	0	1.73
NNW	0	4.08	0	0	0	4.08
Summary	3.78	96.23	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

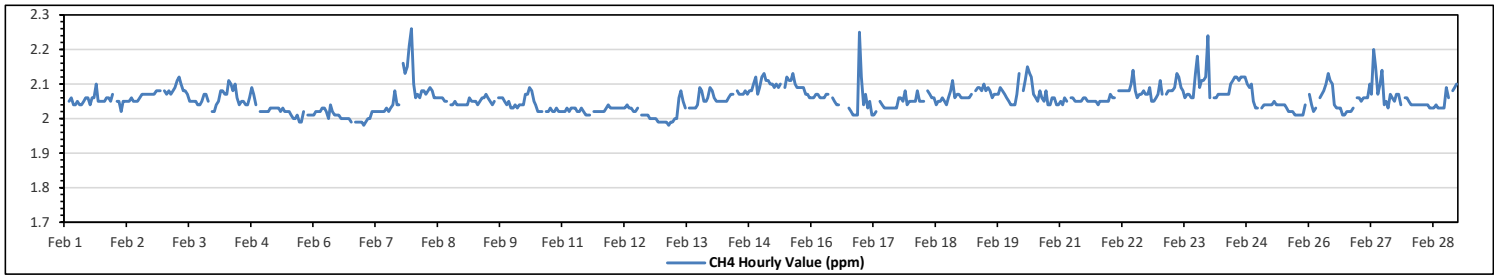
METHANE (CH4) in ppm

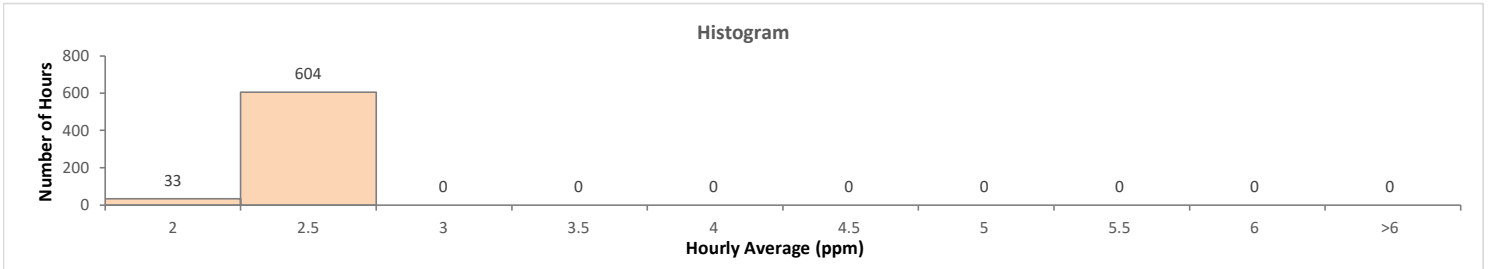
Maximum Hourly Value:	2.26	ppm	on Feb 7 at hr 23	Hours in Service:	672
Maximum Daily Value:	2.10	ppm	on Feb 23	Hours of Data:	637
Minimum Hourly Value:	1.98	ppm	on Feb 7 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	2.01	ppm	on Feb 6	Hours of Calibration:	34
Monthly Average:	2.05	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	2.05	S	2.05	2.06	2.04	2.04	2.05	2.04	2.04	2.05	2.06	2.06	2.04	2.06	2.06	2.10	2.05	2.05	2.05	2.05	2.06	2.06	2.05	2.07	2.04	2.10	2.05
Feb 2	S	2.05	2.05	2.02	2.05	2.05	2.05	2.05	2.06	2.05	2.05	2.05	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	S	2.02	2.08	2.06
Feb 3	2.08	2.07	2.08	2.07	2.08	2.09	2.11	2.12	2.10	2.08	2.08	2.07	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.07	2.07	2.05	S	2.02	2.02	2.12	2.07
Feb 4	2.02	2.04	2.05	2.08	2.08	2.07	2.07	2.11	2.10	2.08	2.10	2.06	2.04	2.05	2.05	2.04	2.04	2.06	2.09	2.07	2.04	S	2.02	2.02	2.02	2.11	2.06
Feb 5	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.02	2.02	2.02	2.01	2.00	2.00	2.01	1.99	1.99	2.02	S	2.01	2.01	2.01	1.99	2.03	2.02
Feb 6	2.01	2.02	2.02	2.02	2.03	2.03	2.02	2.00	2.04	2.02	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	S	1.99	1.99	1.99	1.99	1.99	2.04	2.01
Feb 7	1.98	1.99	2.00	2.00	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.03	2.04	2.08	2.04	2.04	S	2.16	2.13	2.15	2.21	**2.26**	1.98	**2.26**	2.06
Feb 8	2.10	2.06	2.07	2.06	2.08	2.08	2.07	2.08	2.09	2.08	2.06	2.06	2.06	2.06	2.06	2.05	2.05	S	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.10	2.06
Feb 9	2.04	2.04	2.04	2.06	2.05	2.05	2.05	2.04	2.05	2.06	2.06	2.07	2.06	2.05	2.04	2.05	S	2.06	2.06	2.06	2.05	2.04	2.05	2.03	2.03	2.07	2.05
Feb 10	2.03	2.04	2.03	2.04	2.04	2.04	2.07	2.07	2.09	2.08	2.05	2.04	2.02	2.02	2.02	S	2.02	2.02	2.03	2.02	2.02	2.03	2.02	2.02	2.02	2.09	2.04
Feb 11	2.02	2.02	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.03	2.02	2.01	2.01	2.01	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.03	2.01	2.04	2.02
Feb 12	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.02	2.02	2.03	S	2.01	2.01	2.01	2.01	2.00	2.00	2.00	2.00	1.99	1.99	1.99	2.04	2.02
Feb 13	1.99	1.99	1.99	1.98	1.99	1.99	2.00	2.00	2.06	2.08	2.05	2.03	S	2.03	2.03	2.03	2.03	2.04	2.09	2.08	2.05	2.05	2.06	2.09	1.98	2.09	2.03
Feb 14	2.08	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	S	2.08	2.07	2.07	2.07	2.08	2.07	2.08	2.08	2.10	2.12	2.07	2.09	2.05	2.12	2.07
Feb 15	2.12	2.13	2.11	2.11	2.10	2.10	2.09	2.10	2.09	2.10	S	2.09	2.12	2.11	2.11	2.13	2.10	2.09	2.09	2.09	2.09	2.07	2.07	2.06	2.06	2.13	2.10
Feb 16	2.06	2.06	2.07	2.07	2.06	2.06	2.06	2.07	2.07	S	2.06	2.05	2.04	2.04	C	C	C	C	2.03	2.02	2.01	2.01	2.01	2.25	2.01	2.25	2.06
Feb 17	2.12	2.04	2.07	2.03	2.05	2.01	2.01	2.02	S	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.06	2.06	2.05	2.08	2.04	2.05	2.01	2.12	2.04
Feb 18	2.05	2.05	2.05	2.08	2.05	2.05	2.05	S	2.08	2.07	2.06	2.06	2.04	2.05	2.05	2.06	2.05	2.04	2.06	2.08	2.11	2.06	2.07	2.07	2.04	2.11	2.06
Feb 19	2.06	2.06	2.06	2.06	2.06	2.07	S	2.08	2.09	2.09	2.08	2.10	2.08	2.09	2.08	2.06	2.07	2.07	2.07	2.09	2.08	2.07	2.06	2.05	2.05	2.10	2.07
Feb 20	2.04	2.04	2.04	2.07	2.13	S	2.08	2.11	2.15	2.13	2.12	2.07	2.06	2.05	2.08	2.06	2.05	2.08	2.04	2.04	2.06	2.06	2.04	2.04	2.04	2.15	2.07
Feb 21	2.05	2.04	2.06	2.05	S	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.06	2.05
Feb 22	2.07	2.06	2.06	S	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.14	2.08	2.06	2.07	2.07	2.08	2.07	2.07	2.09	2.05	2.05	2.06	2.07	2.05	2.14	2.08
Feb 23	2.11	2.07	S	2.07	2.08	2.08	2.08	2.09	2.13	2.12	2.09	2.08	2.06	2.07	2.07	2.06	2.06	2.13	2.18	2.09	2.11	2.11	2.12	2.24	2.06	2.24	**2.10**
Feb 24	2.06	S	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.10	2.11	2.12	2.12	2.11	2.12	2.12	2.12	2.10	2.09	2.10	2.05	2.03	2.03	2.03	2.12	2.08
Feb 25	S	2.03	2.04	2.04	2.04	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.04	S	2.01	2.05	2.03
Feb 26	2.07	2.04	2.02	2.03	K	2.06	2.07	2.08	2.10	2.13	2.11	2.10	2.04	2.03	2.03	2.03	2.01	2.01	2.02	2.02	2.02	2.03	S	2.06	2.01	2.13	2.05
Feb 27	2.06	2.05	2.06	2.06	2.06	2.10	2.07	2.20	2.15	2.07	2.10	2.14	2.04	2.05	2.03	2.07	2.06	2.05	2.07	2.07	2.04	S	2.06	2.06	2.03	2.20	2.07
Feb 28	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.03	2.09	2.06	S	2.08	2.09	2.10	2.03	2.10	2.05
Diurnal Maximum	2.12	2.13	2.11	2.11	2.13	2.10	2.11	2.20	2.15	2.13	2.12	2.14	2.12	2.12	2.11	2.13	2.12	2.13	2.18	2.16	2.13	2.15	2.21	2.26			
Diurnal Average	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.05	2.05	2.07			

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.



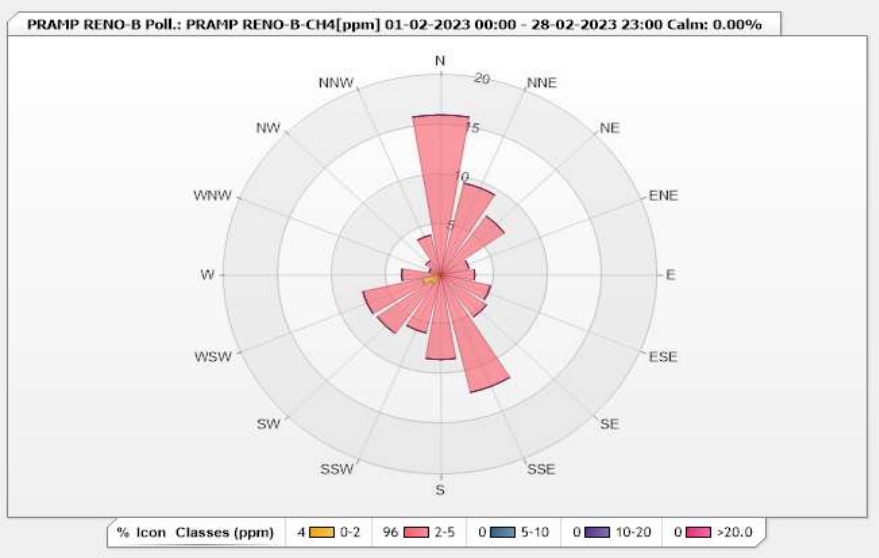


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	16.01	0	0	0	16.01
NNE	0	9.42	0	0	0	9.42
NE	0	7.22	0	0	0	7.22
ENE	0	2.67	0	0	0	2.67
E	0	3.14	0	0	0	3.14
ESE	0	4.71	0	0	0	4.71
SE	0	5.18	0	0	0	5.18
SSE	0	12.09	0	0	0	12.09
S	0.16	8.32	0	0	0	8.48
SSW	0.16	5.81	0	0	0	5.97
SW	1.1	6.12	0	0	0	7.22
WSW	1.73	5.65	0	0	0	7.38
W	0.63	2.98	0	0	0	3.61
WNW	0	1.1	0	0	0	1.1
NW	0	1.73	0	0	0	1.73
NNW	0	4.08	0	0	0	4.08
Summary	3.78	96.23	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

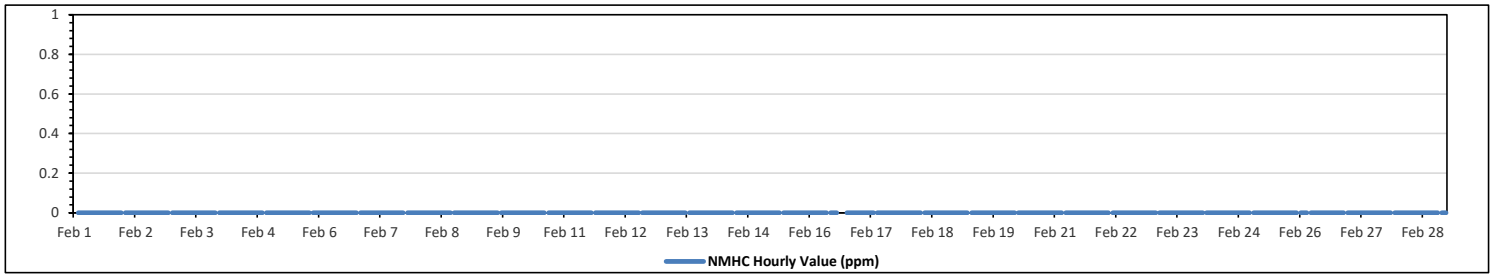
NON-METHANE HYDROCARBONS (NMHC) in ppm

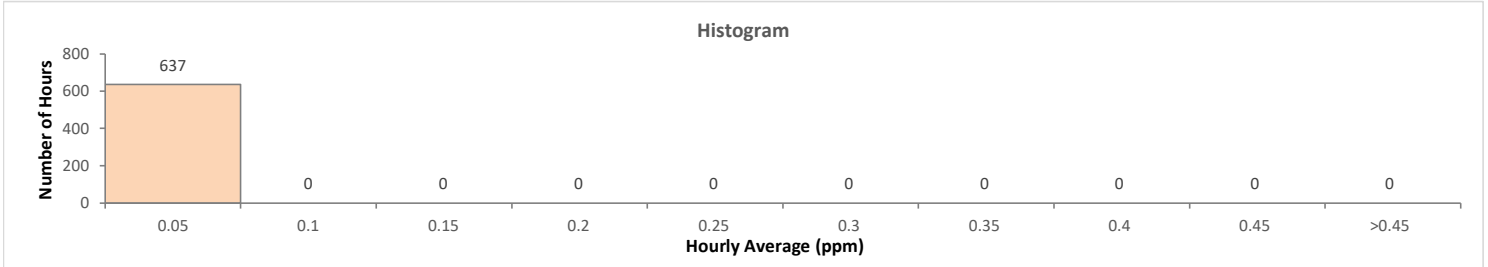
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	672
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	637
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	34
Monthly Average:	0.00	ppm		Operational Uptime:	99.9

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



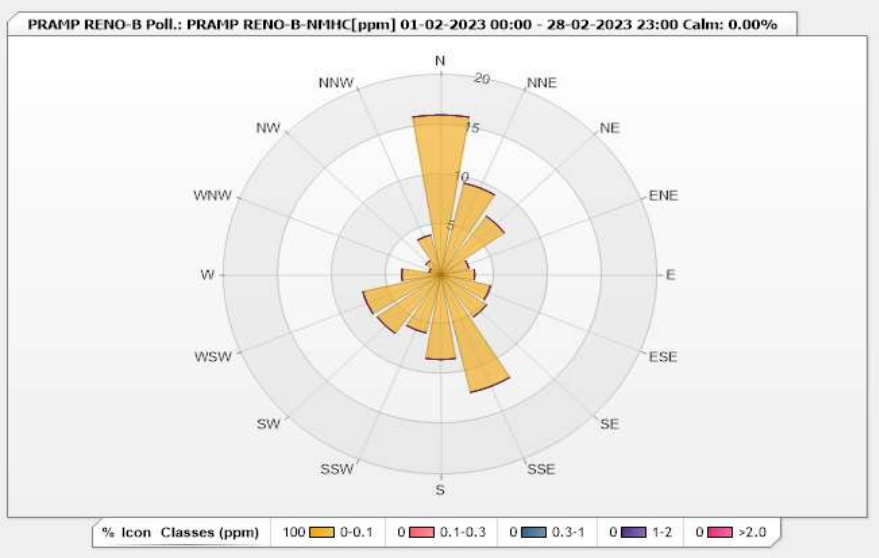


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	16.01	0	0	0	0	16.01
NNE	9.42	0	0	0	0	9.42
NE	7.22	0	0	0	0	7.22
ENE	2.67	0	0	0	0	2.67
E	3.14	0	0	0	0	3.14
ESE	4.71	0	0	0	0	4.71
SE	5.18	0	0	0	0	5.18
SSE	12.09	0	0	0	0	12.09
S	8.48	0	0	0	0	8.48
SSW	5.97	0	0	0	0	5.97
SW	7.22	0	0	0	0	7.22
WSW	7.38	0	0	0	0	7.38
W	3.61	0	0	0	0	3.61
WNW	1.1	0	0	0	0	1.1
NW	1.73	0	0	0	0	1.73
NNW	4.08	0	0	0	0	4.08
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

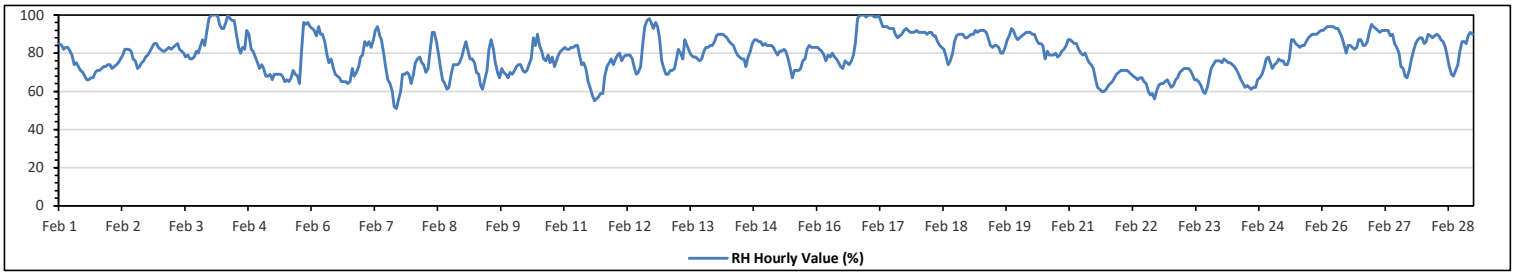
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Feb 4 at hr 0	Hours in Service:	672	
Maximum Daily Value:	94.0	%	on Feb 17	Hours of Data:	672	
Minimum Hourly Value:	51	%	on Feb 7 at hr 16	Hours of Missing Data:	0	
Minimum Daily Value:	65.3	%	on Feb 22	Hours of Calibration:	0	
Monthly Average:	79.2	%		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	85	84	82	83	83	81	79	74	75	73	71	70	68	66	66	67	67	70	71	71	72	73	73	74	66	85	74.1
Feb 2	74	72	73	74	75	77	79	82	82	82	81	77	76	72	73	75	76	78	79	81	83	85	85	83	72	85	78.1
Feb 3	82	81	81	82	83	82	83	84	85	82	81	80	78	79	77	77	78	81	80	84	87	84	91	98	77	98	82.5
Feb 4	**100**	**100**	**100**	**100**	95	93	93	96	**100**	98	97	97	90	83	80	83	82	92	90	82	81	78	75	72	72	**100**	89.9
Feb 5	74	72	68	68	69	66	69	69	69	69	68	65	66	65	67	71	69	68	64	80	96	95	96	94	64	96	73.2
Feb 6	93	92	89	94	90	90	86	79	75	77	72	69	68	67	65	65	65	64	65	72	68	70	73	78	64	94	76.1
Feb 7	79	86	84	86	83	87	92	94	89	87	80	72	66	64	60	52	**51**	56	60	69	69	70	69	64	**51**	94	73.7
Feb 8	69	75	77	78	75	74	70	72	81	91	91	86	79	72	66	64	61	62	69	74	74	74	75	78	61	91	74.5
Feb 9	82	86	81	77	77	75	70	69	63	61	66	71	82	87	82	75	70	67	72	70	69	67	70	69	61	87	73.3
Feb 10	71	73	74	74	71	70	71	74	77	88	84	90	84	81	77	76	79	75	78	73	76	79	81	82	70	90	77.4
Feb 11	83	82	82	83	83	84	84	79	74	75	72	65	62	58	55	56	57	59	59	68	73	75	77	74	55	84	71.6
Feb 12	77	79	80	76	78	79	79	79	77	72	69	70	73	85	94	97	98	96	93	96	94	88	76	72	69	98	82.4
Feb 13	69	69	71	71	72	77	82	80	77	87	84	81	79	78	78	77	76	77	81	83	83	84	84	86	69	87	78.6
Feb 14	89	90	90	90	89	88	86	85	84	81	79	78	77	77	73	78	81	85	87	87	86	86	84	85	73	90	84.0
Feb 15	84	84	84	83	81	79	81	81	82	81	77	72	67	71	71	71	72	76	77	82	84	83	83	83	67	84	78.7
Feb 16	83	82	81	79	76	79	78	80	78	77	75	73	72	76	75	74	76	79	85	98	**100**	**100**	**100**	99	72	**100**	82.3
Feb 17	**100**	**100**	**100**	99	99	**100**	97	94	94	94	93	93	93	90	88	89	90	92	93	92	91	91	91	92	88	**100**	**94.0**
Feb 18	91	91	91	91	90	91	91	89	89	86	84	83	82	78	74	76	80	86	89	90	90	90	88	88	74	91	86.6
Feb 19	89	90	90	92	91	92	92	92	91	88	84	83	84	84	83	80	80	83	87	89	93	92	89	87	80	93	87.7
Feb 20	88	89	90	91	91	91	90	90	87	85	85	84	77	81	79	79	79	80	78	79	81	82	84	87	77	91	84.5
Feb 21	87	86	85	85	82	80	79	80	77	75	74	72	66	62	61	60	60	61	63	64	65	67	69	70	60	87	72.1
Feb 22	71	71	71	71	70	69	68	67	66	67	67	65	64	60	58	59	56	60	63	64	64	65	66	64	56	71	**65.3**
Feb 23	62	63	66	67	70	71	72	72	72	71	69	66	66	65	63	60	59	62	68	72	74	76	76	76	59	76	68.3
Feb 24	75	77	76	75	75	74	73	71	69	66	64	62	63	62	61	62	62	66	67	69	72	77	78	75	61	78	69.6
Feb 25	72	74	75	77	76	76	74	74	77	87	87	85	84	83	84	84	86	88	89	90	90	90	91	92	72	92	82.7
Feb 26	92	93	94	94	94	94	93	93	91	88	84	80	84	84	83	82	83	87	87	84	84	86	91	95	80	95	88.3
Feb 27	94	93	92	91	92	92	92	92	89	90	85	83	80	73	72	68	67	71	77	81	85	87	88	88	67	94	84.3
Feb 28	85	86	90	89	88	89	90	89	87	86	83	79	73	69	68	71	74	81	86	86	85	89	91	90	68	91	83.5
Diurnal Maximum	100	100	100	100	99	100	97	96	100	98	97	97	93	90	94	97	98	96	93	98	100	100	100	99			
Diurnal Average	82.1	82.9	82.8	82.9	82.1	82.1	81.9	81.4	80.6	80.9	78.8	76.8	75.1	74.0	72.6	72.4	72.6	75.1	77.0	79.6	81.0	81.5	81.9	82.0			

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 2023

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	962	mb	on Feb 23 at hr 8	Hours in Service:	672	
Maximum Daily Value:	959	mb	on Feb 23	Hours of Data:	672	
Minimum Hourly Value:	914	mb	on Feb 12 at hr 23	Hours of Missing Data:	0	
Minimum Daily Value:	919	mb	on Feb 26	Hours of Calibration:	0	
Monthly Average:	935	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	942	943	943	944	945	946	947	948	949	950	951	951	952	952	952	952	952	952	952	952	952	951	951	950	942	952	949
Feb 2	949	948	947	946	945	944	943	942	941	940	939	938	937	937	936	935	935	934	933	933	932	931	931	929	929	949	939
Feb 3	928	928	928	928	928	928	927	927	927	928	928	928	928	928	928	927	927	927	927	927	927	927	927	927	927	928	928
Feb 4	927	927	927	928	928	929	929	929	929	929	930	930	930	930	930	930	930	930	930	929	929	928	928	927	927	930	929
Feb 5	927	926	925	925	924	923	922	921	921	921	921	920	920	919	919	919	920	921	922	925	927	929	930	930	919	930	923
Feb 6	931	931	931	931	931	930	930	929	928	927	927	926	926	925	925	925	925	924	924	924	924	923	923	924	923	931	927
Feb 7	924	926	926	928	929	931	931	931	932	932	932	933	933	933	933	933	933	933	933	933	933	934	934	935	924	935	931
Feb 8	936	937	938	939	939	940	940	941	941	941	942	942	943	943	943	943	943	943	944	944	944	944	944	944	936	944	942
Feb 9	945	945	944	944	943	943	942	942	941	940	940	939	938	937	937	937	936	936	936	935	934	934	933	933	933	945	939
Feb 10	932	932	931	930	930	929	928	928	928	928	929	929	929	930	930	930	931	931	932	932	933	933	934	934	928	934	931
Feb 11	934	934	934	934	933	933	933	932	932	931	931	931	931	931	931	932	932	932	933	933	933	933	933	933	931	934	932
Feb 12	933	933	933	933	933	932	931	930	929	929	928	927	927	926	924	922	921	919	918	917	916	915	915	**914**	**914**	933	925
Feb 13	**914**	915	915	**914**	**914**	**914**	915	915	916	918	920	921	922	924	925	926	926	928	928	929	930	931	932	933	**914**	933	922
Feb 14	934	935	936	937	938	939	940	942	942	943	944	944	944	944	944	944	944	944	944	944	944	943	943	943	934	944	942
Feb 15	943	942	942	942	942	942	942	942	942	942	942	942	942	941	941	941	941	940	940	939	938	937	936	935	935	943	941
Feb 16	935	934	933	932	932	931	931	930	929	929	929	929	930	930	930	930	931	931	932	932	932	933	933	933	929	935	931
Feb 17	934	935	935	935	935	935	935	936	937	936	936	935	935	934	934	933	933	933	933	933	932	932	932	932	932	937	934
Feb 18	932	932	932	932	933	934	935	936	937	937	938	939	939	939	939	939	939	939	939	938	937	935	934	933	932	939	936
Feb 19	931	930	930	929	928	928	928	927	927	927	928	928	928	928	930	930	931	932	933	935	936	937	938	939	927	939	931
Feb 20	939	940	941	942	942	943	943	943	942	942	941	941	940	939	938	937	936	936	936	936	937	938	939	940	936	943	940
Feb 21	940	941	942	943	944	945	946	947	947	948	948	949	949	949	950	950	951	951	952	953	954	954	955	955	940	955	948
Feb 22	956	956	956	956	956	956	956	957	957	957	957	957	957	956	956	956	956	956	957	957	958	959	959	959	956	959	957
Feb 23	960	960	960	960	960	961	961	961	**962**	**962**	**962**	961	961	960	959	959	959	958	958	957	957	956	956	955	955	**962**	**959**
Feb 24	954	952	951	950	949	947	946	944	942	940	939	938	937	936	935	934	933	933	932	933	933	933	933	933	932	954	940
Feb 25	933	933	933	932	932	932	932	931	930	930	929	928	927	926	925	923	923	922	922	921	920	920	920	919	919	933	927
Feb 26	919	918	918	918	917	917	917	917	917	917	917	917	917	917	918	918	919	920	921	922	923	923	924	925	917	925	**919**
Feb 27	925	926	926	927	927	927	928	928	928	929	928	928	928	928	928	928	929	929	930	930	930	931	931	931	925	931	928
Feb 28	931	932	932	932	932	933	934	934	934	935	935	935	935	935	935	935	936	936	937	937	937	937	936	935	931	937	935
Diurnal Maximum	960	960	960	960	960	961	961	961	962	962	962	961	961	960	959	959	959	958	958	957	958	959	959	959			
Diurnal Average	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935	935			

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.
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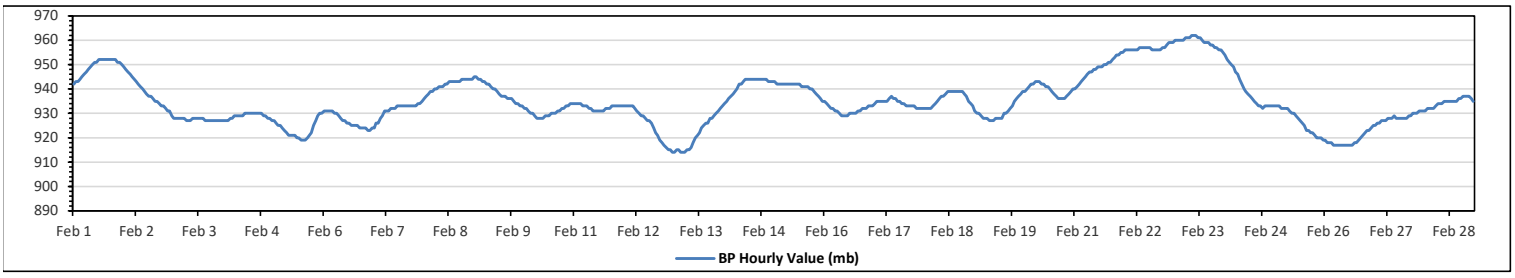


Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

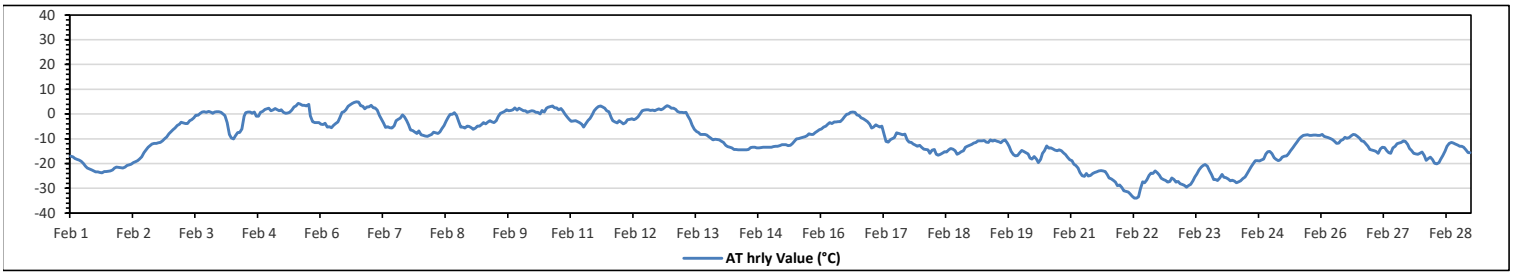
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	4.9	°C	on Feb 6 at hr 17	Hours in Service:	672	
Maximum Daily Value:	1.3	°C	on Feb 10	Hours of Data:	672	
Minimum Hourly Value:	-34.0	°C	on Feb 22 at hr 6	Hours of Missing Data:	0	
Minimum Daily Value:	-28.3	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	-10.2	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Feb 1	-17	-17.3	-17.9	-18.3	-18.6	-19.1	-20	-21.1	-21.8	-22.2	-22.6	-23	-23.4	-23.4	-23.6	-23.8	-23.3	-23.2	-23.1	-23	-22.6	-21.8	-21.4	-21.6	-23.8	-17.0	-21.4
Feb 2	-21.7	-21.8	-21.4	-20.8	-20.5	-20.2	-19.6	-19.3	-18.8	-18.2	-17.3	-15.6	-14.6	-13.4	-12.8	-12.1	-11.8	-11.8	-11.6	-11.4	-10.8	-9.9	-9.3	-8	-21.8	-8.0	-15.5
Feb 3	-7.2	-6.3	-5.7	-4.6	-4.1	-3.3	-3.6	-3.9	-3.9	-2.6	-2.3	-1.5	-0.5	-0.5	0.3	0.8	0.9	0.7	1.1	0.8	0.3	0.8	0.9	0.9	-7.2	1.1	-1.8
Feb 4	0.6	0	-0.6	-3.4	-8.2	-9.7	-10	-8.8	-7.5	-7.4	-6	-0.8	0.5	0.8	0.8	0.3	0.8	-0.8	-0.9	0.7	1.1	1.9	2.1	2.3	-10.0	2.3	-2.2
Feb 5	1.4	1.7	2.2	1.7	1.4	1.7	0.6	0.3	0.4	0.6	1.6	2.9	3.2	4.3	4.1	3.6	3.6	3.3	3.9	-0.7	-3.1	-3.4	-3.4	-3.4	-3.4	4.3	1.2
Feb 6	-4.1	-4.3	-3.7	-5.3	-5.1	-5.5	-4.6	-3.9	-3.2	-1.6	0.7	0.9	1.8	3.1	3.8	4.3	4.6	**4.9**	4.8	3.4	3.1	2.1	2.8	2.9	-5.5	**4.9**	0.1
Feb 7	3.5	2.5	2.5	1.6	-0.6	-2.1	-3.7	-5.4	-5.1	-5.5	-5.6	-4.7	-2.7	-2.2	-1.7	-0.3	-1.1	-2.7	-4.4	-6.5	-6.7	-7.3	-7.8	-6.8	-7.8	3.5	-3.0
Feb 8	-8.4	-8.7	-8.9	-9	-8.7	-8.3	-7.3	-7.6	-7.8	-7.2	-5.9	-4.6	-2.9	-1.2	-0.1	-0.1	0.5	-0.6	-3.2	-5.2	-5.2	-5.6	-4.9	-5	-9.0	0.5	-5.2
Feb 9	-5.5	-6.2	-5.6	-4.8	-4.8	-4.3	-3.5	-4	-3.2	-2.7	-3.2	-3.4	-2.6	-1	0.3	0.6	1.1	1.8	1.3	1.5	1.8	2.5	1.6	2.3	-6.2	2.5	-1.7
Feb 10	1.9	1.3	1.3	0.7	1.1	1.3	1.2	0.6	0.6	0	1.5	0.8	2.3	2.7	3	3.2	2.5	2.5	1.7	2.2	1.3	-0.1	-1.3	-2.2	-2.2	3.2	**1.3**
Feb 11	-2.9	-2.8	-2.6	-3.1	-3.5	-4.1	-5.2	-3.9	-2.5	-1.8	-0.4	1.3	2.3	3	3.2	2.8	2.3	1.4	1	-1.4	-2.7	-3.2	-3.6	-2.7	-5.2	3.2	-1.2
Feb 12	-3.3	-4	-3.5	-2.3	-2.2	-2	-2.3	-2	-1.1	0.1	1.4	1.6	1.8	1.7	1.5	1.6	1.4	1.8	2.1	1.7	2.1	2.8	3.4	3	-4.0	3.4	0.2
Feb 13	2.3	2.3	1.9	1.1	0.6	0.6	0.5	0.6	-0.9	-2.4	-4.5	-6.2	-7	-7.5	-8.2	-8.3	-8.2	-8.5	-9.1	-9.8	-10.4	-10.2	-10.3	-10.5	-10.5	2.3	-4.7
Feb 14	-11	-11.5	-12.6	-13.2	-13.3	-13.7	-14.3	-14.3	-14.4	-14.5	-14.5	-14.5	-14.4	-14.3	-13.5	-13.3	-13.3	-13.6	-13.6	-13.5	-13.4	-13.4	-13.3	-13.3	-14.5	-11.0	-13.5
Feb 15	-13.3	-13.2	-13	-13	-12.8	-12.4	-12.4	-12.4	-12.8	-12.7	-12	-11	-10	-9.9	-9.7	-9.4	-9.1	-8.8	-8	-8.3	-8.2	-7.4	-6.9	-6.3	-13.3	-6.3	-10.5
Feb 16	-6.1	-5.3	-4.8	-4.2	-3.5	-3.9	-3.2	-3.2	-3.1	-3.1	-2.2	-1.1	-0.1	0	0.6	0.8	0.6	-0.3	-0.6	-1.6	-2	-2.4	-3	-4.1	-6.1	0.8	-2.3
Feb 17	-5.6	-5.3	-4.4	-4.8	-5.2	-4.9	-8.2	-11.1	-11.3	-10.3	-9.9	-9.5	-7.6	-7.8	-8.1	-8.4	-8.1	-10.4	-11.3	-11.5	-12.1	-12.5	-13.1	-12.6	-13.1	-4.4	-8.9
Feb 18	-13.4	-14.2	-14.3	-14.5	-15.8	-14.6	-14.3	-16.2	-16.7	-16.2	-15.7	-15.3	-15.4	-14.5	-13.9	-14.2	-14.8	-16.3	-15.9	-15.2	-14.9	-13.4	-13.1	-12.7	-16.7	-12.7	-14.8
Feb 19	-12.3	-11.7	-11.4	-10.9	-10.8	-10.8	-10.7	-11.3	-11.4	-10.5	-11	-10.6	-11	-11.2	-11.6	-10.9	-10.5	-11.7	-13.2	-15.1	-16.4	-16.9	-16.8	-15.5	-16.9	-10.5	-12.3
Feb 20	-14.7	-15.1	-15.6	-16.1	-17.8	-18.2	-17.2	-18.2	-19.7	-18.3	-15.8	-14.9	-12.9	-13.8	-13.6	-14.1	-14.6	-14.9	-14.5	-14.9	-15.7	-16.4	-17.4	-18.4	-19.7	-12.9	-16.0
Feb 21	-18.8	-20.2	-20.8	-21.8	-23.6	-24.9	-25.2	-24	-25	-24.7	-24.1	-23.6	-23.4	-22.9	-22.8	-23	-23.3	-24.3	-25.9	-26.2	-26.8	-27.5	-28.9	-28.6	-28.9	-18.8	-24.2
Feb 22	-29.7	-30.9	-31.2	-31.5	-32.3	-33.2	**-34**	**-34**	-33.4	-30.2	-27.3	-27.8	-26.5	-24.7	-23.9	-24	-22.9	-23.8	-24.6	-26	-26.4	-26.8	-27.5	-27.2	**-34.0**	-22.9	**-28.3**
Feb 23	-25.9	-26.4	-27.5	-27.2	-28.2	-28.5	-28.8	-29.5	-28.9	-28.5	-26.9	-25.4	-24.2	-22.5	-21.4	-20.8	-20.4	-21	-22.9	-24.4	-26.4	-26.4	-26.8	-25.9	-29.5	-20.4	-25.6
Feb 24	-24.3	-25.6	-25.7	-26.3	-27	-26.7	-27.1	-27.8	-27.4	-27	-26.1	-25.4	-24.4	-22.8	-21.3	-20.1	-18.9	-18.9	-19	-18.6	-18.1	-16.1	-15.3	-15.1	-27.8	-15.1	-22.7
Feb 25	-16	-17.6	-18.3	-18.8	-18.4	-17.5	-17.1	-16.9	-16	-14.9	-13.7	-12.4	-11.3	-10	-9.2	-8.7	-8.5	-8.4	-8.7	-8.7	-8.5	-8.5	-8.7	-8.6	-18.8	-8.4	-12.7
Feb 26	-8.3	-9	-9.2	-9.5	-9.9	-10.3	-11	-11.8	-11.7	-10.7	-10.3	-9.4	-9.8	-9.5	-8.8	-8.2	-8.4	-9	-9.8	-10.9	-11.1	-12	-13.1	-14.3	-14.3	-8.2	-10.3
Feb 27	-14.6	-14.8	-15.1	-15.9	-14.1	-13.4	-13.5	-14.9	-15.5	-15.8	-13.6	-13.1	-12	-11.7	-11.4	-10.8	-11.1	-12.3	-13.9	-14.7	-15.8	-16.1	-16.2	-15.9	-16.2	-10.8	-14.0
Feb 28	-15.4	-16.8	-18.7	-17.9	-17.5	-18.5	-19.8	-20.1	-19.6	-18.3	-16.8	-15	-13.1	-11.8	-11.5	-11.7	-12.1	-12.5	-13	-13	-13.4	-14.4	-15.5	-15.5	-20.1	-11.5	-15.5
Diurnal Maximum	3.5	2.5	2.5	1.7	1.4	1.7	1.2	0.6	0.6	0.6	1.6	2.9	3.2	4.3	4.1	4.3	4.6	4.9	4.8	3.4	3.1	2.8	3.4	3.0			
Diurnal Average	-10.4	-10.8	-10.9	-11.1	-11.6	-11.7	-11.9	-12.3	-12.2	-11.7	-10.8	-10.0	-9.2	-8.6	-8.2	-8.0	-7.9	-8.5	-9.0	-9.7	-10.0	-10.1	-10.2	-10.1			

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

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



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

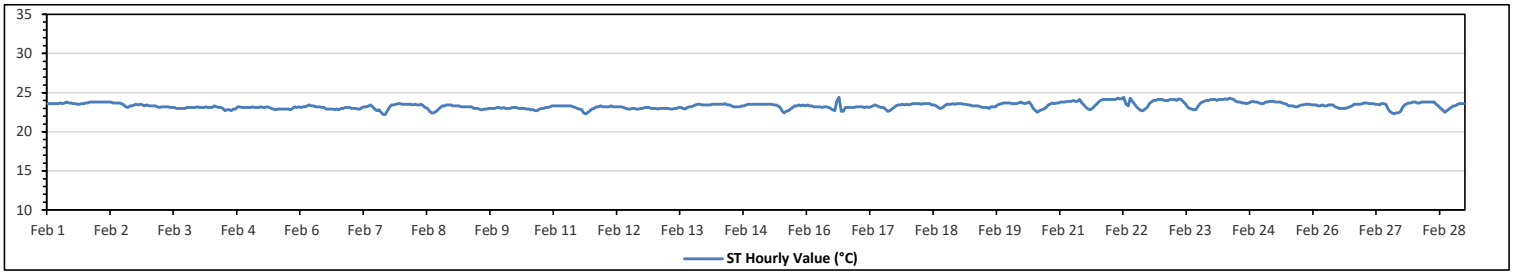
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	24.4	°C	on Feb 16 at hr 15	Hours in Service:	672	
Maximum Daily Value:	23.9	°C	on Feb 24	Hours of Data:	672	
Minimum Hourly Value:	22.2	°C	on Feb 7 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	23.0	°C	on Feb 10	Hours of Calibration:	0	
Monthly Average:	23.3	°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	23.6	23.6	23.6	23.6	23.6	23.6	23.7	23.6	23.7	23.8	23.7	23.7	23.6	23.6	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.5	23.8	23.7
Feb 2	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.7	23.7	23.6	23.4	23.2	23.1	23.3	23.3	23.4	23.5	23.4	23.5	23.4	23.3	23.4	23.1	23.8	23.6
Feb 3	23.3	23.3	23.3	23.3	23.2	23.1	23.2	23.2	23.2	23.2	23.1	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.0	23.3	23.1
Feb 4	23.1	23.1	23.1	23.2	23.1	23.1	23.1	23.3	23.2	23.1	23.1	23.0	22.7	22.8	22.8	22.7	22.9	22.9	23.2	23.2	23.1	23.1	23.1	23.1	22.7	23.3	23.0
Feb 5	23.1	23.2	23.1	23.1	23.1	23.2	23.1	23.1	23.2	23.1	23.0	22.9	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.8	23.0	23.2	23.1	23.2	22.8	23.2	23.0
Feb 6	23.1	23.2	23.2	23.3	23.4	23.3	23.3	23.2	23.2	23.2	23.1	23.1	22.9	22.9	22.9	22.9	22.8	22.9	22.8	23.0	23.0	23.1	23.1	23.1	22.8	23.4	23.1
Feb 7	23.0	23.0	23.0	22.9	22.9	23.1	23.2	23.2	23.3	23.4	23.2	22.9	22.7	22.8	22.5	**22.2**	**22.2**	22.7	23.2	23.4	23.4	23.5	23.6	23.6	**22.2**	23.6	23.0
Feb 8	23.5	23.5	23.5	23.5	23.5	23.4	23.5	23.4	23.4	23.5	23.3	23.1	23.0	22.6	22.4	22.4	22.6	22.8	23.1	23.3	23.3	23.4	23.4	23.4	22.4	23.5	23.2
Feb 9	23.3	23.3	23.3	23.3	23.2	23.2	23.2	23.2	23.2	23.2	23.0	23.0	23.0	22.8	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.1	23.1	23.0	22.8	23.3	23.1
Feb 10	23.1	23.0	23.0	23.0	23.1	23.1	23.1	23.0	23.0	23.0	23.0	22.9	22.9	22.8	22.8	22.7	22.7	22.9	23.0	23.0	23.1	23.1	23.2	23.3	22.7	23.3	**23.0**
Feb 11	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.2	23.1	23.0	22.9	22.8	22.4	22.3	22.5	22.7	22.9	23.0	23.2	23.2	23.3	23.2	22.3	23.3	23.1
Feb 12	23.2	23.2	23.2	23.3	23.2	23.2	23.2	23.2	23.2	23.1	23.0	22.9	22.9	23.0	23.0	22.9	22.9	23.0	23.0	23.1	23.1	23.1	23.0	23.0	22.9	23.3	23.1
Feb 13	23.0	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.9	23.0	23.0	23.1	23.1	23.0	22.9	23.1	23.2	23.2	23.3	23.4	23.5	23.5	23.4	23.4	22.9	23.5	23.1
Feb 14	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.6	23.4	23.4	23.3	23.2	23.2	23.2	23.2	23.3	23.3	23.4	23.5	23.5	23.5	23.5	23.2	23.6	23.4
Feb 15	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.4	23.4	23.3	23.1	22.6	22.4	22.6	22.7	22.9	23.1	23.3	23.3	23.4	23.3	23.4	23.3	22.4	23.5	23.2
Feb 16	23.4	23.3	23.3	23.2	23.2	23.2	23.2	23.1	23.2	23.2	23.1	23.0	22.8	22.7	23.9	**24.4**	22.6	22.6	23.1	23.1	23.1	23.1	23.1	23.2	22.6	**24.4**	23.2
Feb 17	23.2	23.2	23.2	23.1	23.2	23.1	23.2	23.3	23.4	23.3	23.2	23.1	23.1	22.9	22.6	22.7	22.9	23.1	23.3	23.4	23.4	23.5	23.4	23.5	22.6	23.5	23.2
Feb 18	23.4	23.5	23.6	23.6	23.6	23.6	23.5	23.6	23.6	23.6	23.6	23.4	23.4	23.3	23.1	23.0	23.1	23.3	23.5	23.5	23.5	23.6	23.5	23.6	23.0	23.6	23.5
Feb 19	23.6	23.6	23.5	23.5	23.4	23.4	23.3	23.3	23.3	23.3	23.2	23.1	23.1	23.1	23.0	23.2	23.2	23.2	23.4	23.5	23.6	23.7	23.7	23.7	23.0	23.7	23.4
Feb 20	23.7	23.6	23.6	23.6	23.7	23.8	23.7	23.6	23.7	23.8	23.5	23.0	22.7	22.5	22.7	22.8	22.9	23.1	23.4	23.5	23.7	23.6	23.7	23.7	22.5	23.8	23.4
Feb 21	23.8	23.8	23.8	23.9	23.9	23.9	24.0	23.9	23.9	24.1	23.7	23.4	23.1	22.9	22.8	23.0	23.3	23.5	23.8	24.0	24.1	24.1	24.1	24.1	22.8	24.1	23.7
Feb 22	24.1	24.1	24.1	24.3	24.2	24.2	**24.4**	23.5	23.3	24.3	23.9	23.5	23.2	22.9	22.7	22.7	22.9	23.1	23.6	23.8	24.0	24.0	24.1	24.1	22.7	**24.4**	23.7
Feb 23	24.1	24.0	24.0	24.0	24.1	24.1	24.1	24.0	24.2	24.1	23.9	23.6	23.2	23.0	22.9	22.8	22.8	23.2	23.6	23.8	23.9	24.0	24.0	24.1	22.8	24.2	23.7
Feb 24	24.1	24.1	24.0	24.1	24.1	24.1	24.2	24.1	24.3	24.2	24.1	23.9	23.8	23.8	23.7	23.7	23.6	23.7	23.8	23.9	23.8	23.8	23.7	23.6	23.6	24.3	**23.9**
Feb 25	23.6	23.8	23.8	23.9	23.9	23.9	23.8	23.8	23.8	23.7	23.6	23.5	23.3	23.3	23.3	23.2	23.2	23.3	23.4	23.4	23.5	23.5	23.5	23.4	23.2	23.9	23.6
Feb 26	23.4	23.4	23.3	23.3	23.4	23.3	23.3	23.4	23.4	23.4	23.2	23.1	23.0	23.0	23.0	23.0	23.1	23.2	23.3	23.5	23.5	23.5	23.5	23.6	23.0	23.6	23.3
Feb 27	23.7	23.7	23.6	23.6	23.6	23.5	23.5	23.4	23.6	23.6	23.5	23.0	22.6	22.4	22.3	22.4	22.4	22.6	23.1	23.4	23.6	23.7	23.7	23.8	22.3	23.8	23.3
Feb 28	23.8	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.5	23.3	23.0	22.8	22.5	22.7	22.9	23.1	23.3	23.3	23.5	23.6	23.6	23.6	22.5	23.8	23.4
Diurnal Maximum	24.1	24.1	24.1	24.3	24.2	24.2	24.4	24.1	24.3	24.3	24.1	23.9	23.8	23.8	23.9	24.4	23.6	23.7	23.8	24.0	24.1	24.1	24.1	24.1			
Diurnal Average	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.4	23.5	23.5	23.4	23.2	23.0	22.9	22.9	22.9	22.9	23.1	23.3	23.4	23.4	23.5	23.5	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

Reno-B Station - February 2023

Summary of Hourly Averages

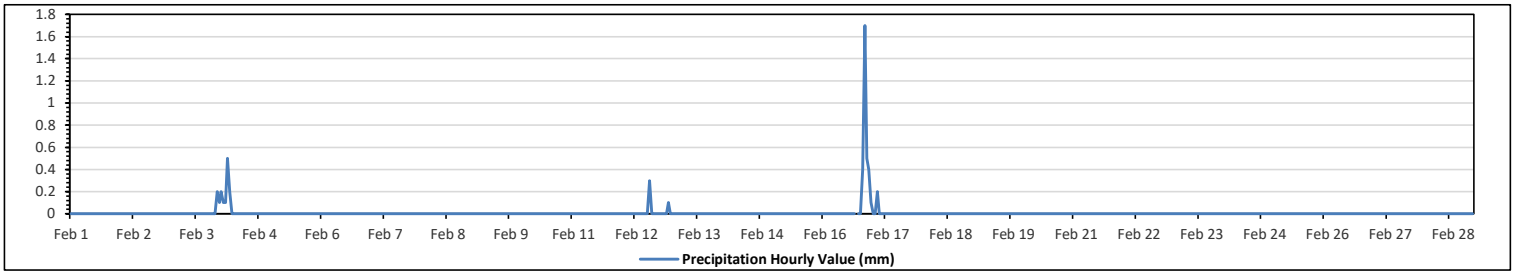
PRECIPITATION in mm

Maximum Hourly Value:	1.7	mm	on Feb 16 at hr 20	Hours in Service:	672		
Maximum Daily Value:	3.1	mm	on Feb 16	Hours of Data:	671		
Minimum Hourly Value:	0.0	mm	on Feb 1 at hr 0	Hours of Missing Data:	0		
Minimum Daily Value:	0.0	mm	on Feb 1	Hours of Calibration:	1		
Monthly Total:	5.1	mm		Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0.0	0.2	0.3
Feb 4	0.2	0.1	0.1	0.5	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5	1.1
Feb 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 6	0	0	0	0	0	0	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 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0.1	0	0.0	0.3	0.4
Feb 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 14	0	0	0	0	0	0	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 15	0	0	0	0	0	0	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 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	0	0	0.4	1.7	0.5	0.4	0.1	0.0	1.7	3.1
Feb 17	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.2
Feb 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 19	0	0	0	0	0	0	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 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 22	0	0	0	0	0	0	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 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Feb 28	0	0	0	0	0	0	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 Maximum	0.2	0.1	0.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	1.7	0.5	0.4	0.1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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.



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

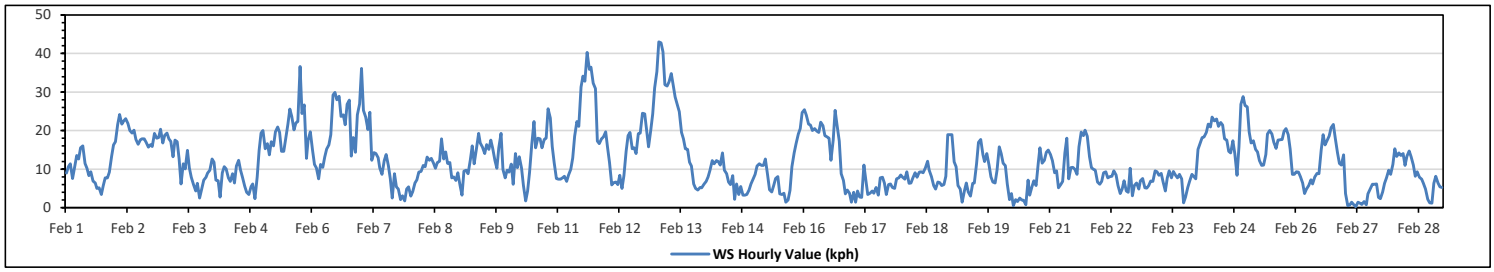
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	43.0	kph	on Feb 13 at hr 1	Hours in Service:	672	
Maximum Daily Value:	22.0	kph	on Feb 13	Hours of Data:	672	
Minimum Hourly Value:	0.3	kph	on Feb 27 at hr 5	Hours of Missing Data:	0	
Minimum Daily Value:	3.9	kph	on Feb 27	Hours of Calibration:	0	
Monthly Average:	2.1	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	9.0	10.7	11.4	7.6	10.3	13.6	12.7	15.6	16.0	11.5	10.2	8.3	9.3	6.9	6.4	5.0	5.2	3.4	5.8	7.8	7.7	9.2	13.3	16.3	3.4	16.3	9.7
Feb 2	17.1	21.6	24.2	21.7	22.5	23.1	21.8	20.0	19.4	20.1	17.7	16.5	17.6	17.9	17.9	17.0	15.7	16.4	15.9	19.3	18.0	18.2	20.4	16.8	15.7	24.2	19.0
Feb 3	18.8	19.4	17.9	17.2	13.2	17.5	17.1	12.7	6.2	11.4	10.1	14.9	10.3	7.9	6.0	4.3	6.3	2.5	5.0	7.2	7.9	9.0	9.7	12.7	2.5	19.4	11.1
Feb 4	11.8	7.2	7.0	2.8	9.1	10.7	10.1	7.8	6.8	8.8	6.4	10.8	12.3	9.8	7.9	5.6	4.0	3.4	5.5	6.2	2.3	8.0	14.9	19.4	2.3	19.4	8.3
Feb 5	20.0	15.3	16.6	13.7	17.1	16.1	19.7	20.9	19.5	14.6	14.6	17.8	21.7	25.6	23.7	20.2	22.0	22.3	36.6	24.4	26.7	12.8	17.5	19.7	12.8	36.6	20.0
Feb 6	14.9	11.2	10.3	7.5	11.2	10.5	13.1	15.2	16.3	19.0	29.3	29.9	28.0	28.9	23.7	24.1	21.5	26.8	27.9	13.4	18.2	14.4	24.1	26.9	7.5	29.9	19.4
Feb 7	36.1	25.3	23.5	20.3	24.8	12.3	14.3	14.1	13.0	10.3	8.6	12.2	13.8	10.9	7.5	2.5	8.8	5.4	4.9	2.1	3.1	1.8	4.9	5.4	1.8	36.1	11.9
Feb 8	3.0	4.2	6.4	7.3	9.2	9.4	11.0	10.7	13.1	12.3	12.8	11.6	10.2	11.7	12.1	17.9	12.7	14.5	11.5	11.7	7.7	8.0	7.1	9.1	3.0	17.9	10.2
Feb 9	5.8	3.3	9.5	9.8	8.8	12.4	16.0	11.4	15.2	19.3	16.8	15.7	14.0	16.4	15.1	17.5	15.4	12.2	10.2	15.5	19.3	9.9	7.8	9.8	3.3	19.3	12.8
Feb 10	9.2	11.3	6.1	14.0	10.4	13.2	10.3	5.7	1.8	4.4	9.1	16.4	22.4	15.5	18.1	17.8	15.6	17.7	18.0	25.7	23.3	15.9	11.7	7.6	1.8	25.7	13.4
Feb 11	7.4	7.4	7.8	8.2	6.8	8.5	10.0	12.9	18.5	22.3	21.1	31.3	34.1	32.8	40.3	35.9	36.5	32.3	30.9	17.3	16.6	17.8	18.4	19.7	6.8	40.3	20.6
Feb 12	15.5	11.7	5.9	6.5	6.7	6.0	8.4	5.0	8.3	14.7	18.7	19.5	15.3	15.6	14.1	19.2	19.4	24.5	24.3	20.8	15.8	20.2	24.3	31.1	5.0	31.1	15.5
Feb 13	35.3	**43.0**	42.8	40.4	31.9	31.6	32.6	34.8	31.8	28.7	26.7	24.9	19.5	17.9	15.3	15.1	11.8	10.8	6.2	5.0	4.6	5.3	5.2	6.1	4.6	**43.0**	**22.0**
Feb 14	6.8	8.0	9.8	12.2	11.4	12.2	12.0	11.1	14.2	9.7	8.8	6.7	6.0	8.3	2.2	6.2	3.4	5.5	3.3	3.3	3.5	4.6	6.2	7.5	2.2	14.2	7.6
Feb 15	8.6	10.8	11.4	11.0	11.0	12.7	8.5	4.7	4.1	5.7	7.6	8.1	3.6	3.5	3.8	1.4	2.0	4.5	10.7	14.2	16.6	19.1	20.5	24.7	1.4	24.7	9.5
Feb 16	25.4	24.0	21.7	21.4	20.0	20.5	19.8	19.5	22.2	21.3	18.7	18.4	18.1	12.3	17.5	25.2	21.4	17.3	8.8	7.1	3.6	4.6	3.8	1.4	1.4	25.4	16.4
Feb 17	4.0	1.5	4.4	2.8	2.7	11.1	7.2	3.4	3.8	4.3	3.8	5.3	3.3	7.8	7.9	6.4	3.4	6.0	6.2	5.3	5.0	7.5	7.7	8.5	1.5	11.1	5.4
Feb 18	7.9	7.4	9.3	6.3	6.4	7.8	9.1	7.9	9.2	9.3	9.1	10.3	12.1	9.8	8.1	5.7	4.8	6.7	6.5	5.7	6.0	8.2	19.0	19.0	4.8	19.0	8.8
Feb 19	18.9	11.9	10.6	5.8	4.8	1.5	4.4	6.4	4.1	3.0	6.3	6.4	11.4	16.9	17.7	13.7	12.0	14.0	11.1	8.0	6.7	6.4	9.7	15.8	1.5	18.9	9.5
Feb 20	14.1	11.6	10.9	6.2	2.1	3.7	0.6	2.1	1.6	2.5	2.0	1.9	0.8	7.2	3.3	5.4	7.0	5.7	11.7	15.5	11.6	12.3	14.4	15.0	0.6	15.5	7.1
Feb 21	13.8	12.2	9.1	9.6	5.2	6.0	6.8	14.2	18.0	7.5	10.4	10.5	10.0	8.6	15.8	19.6	18.7	20.1	18.5	13.2	10.4	10.0	9.8	6.7	5.2	20.1	11.9
Feb 22	6.1	6.8	9.1	9.3	7.7	8.1	8.2	9.6	8.5	5.8	3.7	4.9	7.0	4.4	4.0	10.2	3.1	5.7	6.4	4.8	7.0	7.6	5.2	5.1	3.1	10.2	6.6
Feb 23	5.8	6.9	6.8	9.6	9.3	8.4	8.9	6.7	4.4	7.8	9.6	7.8	9.4	8.4	7.8	8.6	7.5	1.3	2.8	5.3	6.9	8.7	8.1	7.5	1.3	9.6	7.3
Feb 24	15.1	16.8	18.2	18.4	19.5	21.7	20.9	23.5	22.5	23.0	21.1	22.1	21.4	17.9	17.5	14.6	14.2	17.4	14.0	8.4	15.8	26.8	28.8	26.5	8.4	28.8	19.4
Feb 25	26.1	19.6	16.8	17.4	15.1	14.5	12.2	11.0	11.1	13.8	19.1	20.0	19.1	16.9	15.4	17.5	17.6	17.7	19.9	20.5	19.0	15.2	8.6	8.7	8.6	26.1	16.4
Feb 26	9.3	9.2	8.1	6.4	3.7	4.9	5.8	7.3	6.2	8.0	8.9	8.8	15.0	18.9	16.3	17.5	18.6	20.8	21.6	18.0	14.2	11.5	11.1	13.7	3.7	21.6	11.8
Feb 27	3.7	0.5	0.7	1.4	0.8	**0.3**	1.4	1.2	0.9	1.6	0.8	3.6	4.9	6.1	6.1	6.2	2.7	2.3	4.1	6.3	7.7	9.8	8.6	11.2	**0.3**	11.2	**3.9**
Feb 28	15.3	13.3	14.2	13.6	14.0	11.0	13.4	14.7	13.2	11.1	8.2	9.3	7.9	7.4	6.4	4.9	2.2	1.3	1.2	6.3	8.2	6.4	5.4	5.3	1.2	15.3	8.9
Diurnal Maximum	36.1	43.0	42.8	40.4	31.9	31.6	32.6	34.8	31.8	28.7	29.3	31.3	34.1	32.8	40.3	35.9	36.5	32.3	36.6	25.7	26.7	26.8	28.8	31.1			
Diurnal Average	13.7	12.6	12.5	11.7	11.3	11.8	12.0	11.8	11.8	11.9	12.2	13.4	13.5	13.3	12.8	13.0	11.9	12.1	12.5	11.4	11.2	11.0	12.4	13.5			

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.

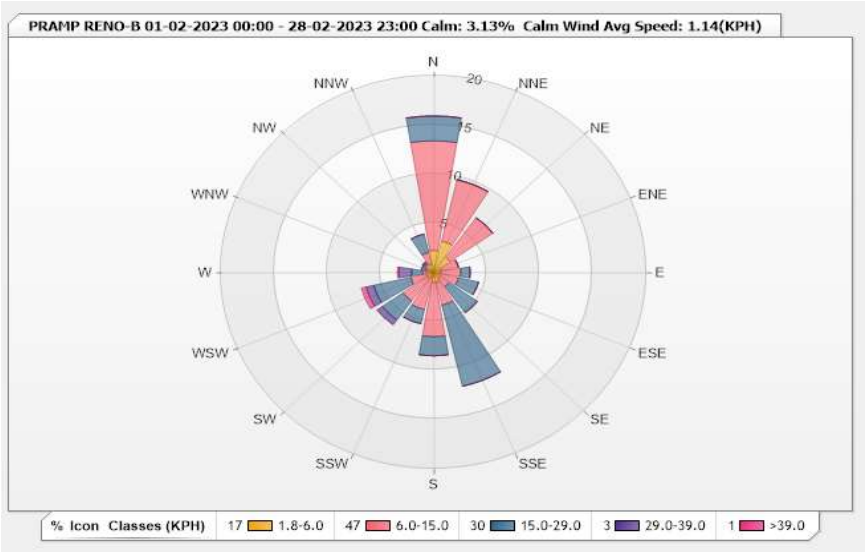


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 02-2023

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

Calm (WS<1.8kph): 3.13% 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	2.23	11.16	2.53	0	0	15.92
NNE	3.27	6.4	0	0	0	9.67
NE	1.93	4.91	0	0	0	6.84
ENE	0.74	1.64	0	0	0	2.38
E	0.6	1.93	0.89	0	0	3.42
ESE	0.6	1.79	1.93	0	0	4.32
SE	0.74	1.04	3.27	0	0	5.05
SSE	1.04	2.38	8.48	0	0	11.9
S	1.04	5.51	1.93	0	0	8.48
SSW	0.45	3.42	1.49	0	0	5.36
SW	0.74	2.83	2.38	0.6	0	6.55
WSW	0.74	1.49	3.57	0.74	0.45	6.99
W	0.6	0.45	1.04	1.19	0.15	3.43
WNW	0.3	0.45	0.45	0	0	1.2
NW	0.89	0.15	0.15	0.15	0	1.34
NNW	0.89	1.19	1.93	0	0	4.01
Summary	16.8	46.74	30.04	2.68	0.6	96.86



Peace River Area Monitoring Program

Reno-B Station - February 2023

Summary of Hourly Averages

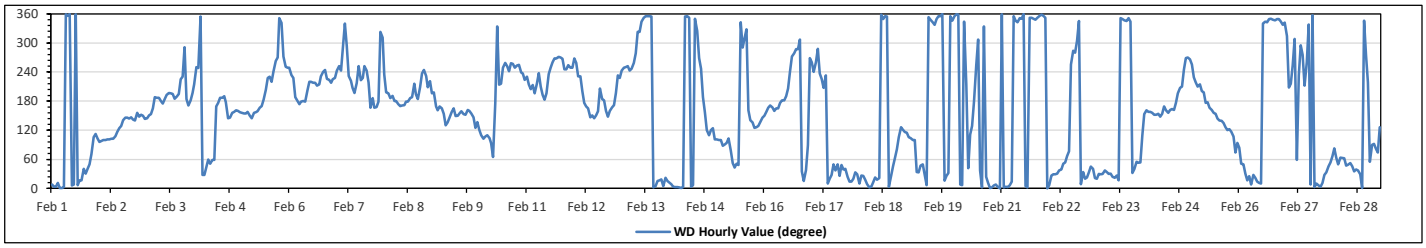
WIND DIRECTION (VWD) in sector

Monthly Average:	191 (S)	degree	
Hours in Service:	672		
Hours of Data:	672		
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	N	N	N	NNE	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NNE	NE	NE	ENE	ESE	ESE	ESE	22	NNE
Feb 2	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE	SSE	SE	124	ESE
Feb 3	SE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	S	S	SSW	SW	SW	WNW	S	S	S	SSW	181	S
Feb 4	SSW	WSW	WSW	N	NNE	NNE	NE	ENE	NE	ENE	ENE	SSE	S	S	S	S	S	SE	SE	SSE	SSE	SSE	SSE	SSE	150	SSE
Feb 5	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSW	SW	SW	SW	WSW	W	W	N	NNW	W	WSW	WSW	208	SSW
Feb 6	WSW	SW	SW	S	S	S	S	S	S	SSW	SW	SW	SW	SW	SSW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW	218	SW
Feb 7	WSW	WSW	WSW	WNW	NNW	WNW	SW	SW	SSW	SSW	SW	WSW	SW	SW	WSW	WSW	SW	SSE	S	SSE	SSE	S	NW	NW	246	WSW
Feb 8	SW	SSW	SSW	S	S	S	S	S	SSE	S	S	S	S	S	S	SW	SSW	S	SSW	SW	WSW	SW	SSW	SW	194	SSW
Feb 9	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	154	SSE
Feb 10	ESE	ESE	E	ESE	ESE	ESE	E	ENE	S	NNW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	231	SW
Feb 11	SW	SSW	SSW	SSW	SSW	SW	SW	SSW	S	S	SSW	SW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	245	WSW
Feb 12	W	WSW	SW	SW	SSW	S	SSE	SSE	SE	SSE	SE	SSE	SSE	SSW	S	S	SSE	SE	SSE	SSE	S	SSW	SW	SW	184	S
Feb 13	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NW	NNW	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NNE	NNE	293	WNW
Feb 14	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	NW	W	WSW	S	SSE	ESE	ESE	ESE	ESE	E	7	N
Feb 15	E	E	E	E	E	E	ESE	ENE	NE	NE	NE	NE	NNW	WNW	NW	NNW	SSE	SE	SE	SE	SE	SE	SE	SE	110	ESE
Feb 16	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	S	S	S	SSW	WSW	W	W	WNW	WNW	NW	NE	NNE	NE	E	W	191	S
Feb 17	WSW	WSW	WSW	WNW	SW	SW	SSW	SW	N	NNE	NNE	NE	NE	NE	NNE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	17	NNE
Feb 18	N	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE	NNE	N	NNW	N	N	N	NNE	NE	ENE	E	ESE	SE	ESE	ESE	35	NE
Feb 19	ESE	ESE	ESE	E	E	NE	NNE	NE	NE	NNE	N	N	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	NNW	17	NNE
Feb 20	N	N	N	N	N	NNW	SSW	NE	ESE	SE	S	WSW	NW	NE	N	NNW	NNE	NNE	N	N	N	N	N	N	4	N
Feb 21	N	N	N	N	N	NNE	N	NNW	NNW	N	N	N	N	N	N	N	N	NNW	N	N	N	N	N	N	355	N
Feb 22	N	NNE	NNE	NNE	NNE	NE	NE	NE	NE	ENE	ENE	WSW	WNW	W	WNW	NNW	N	NE	NNE	NNE	NNE	NE	NE	NNE	24	NNE
Feb 23	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	N	NNW	NNE	NE	NE	NE	NE	ESE	25	NNE
Feb 24	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	WSW	W	W	W	178	S
Feb 25	WSW	SW	SW	SSW	SSW	SSW	SSW	S	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ENE	E	161	SSE
Feb 26	E	NE	NE	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	358	N
Feb 27	NW	SSW	SW	WSW	NW	ENE	SW	WNW	W	SSW	WSW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	NE	NE	ENE	20	NNE
Feb 28	E	ENE	NE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NNE	N	NNW	W	SW	NE	E	E	E	ENE	SE	56	NE

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 2023

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 13 at hr 1	Hours in Service:	672
Maximum Daily Value:	22.0	kph	on Feb 13	Hours of Data:	672
Minimum Hourly Value:	0.3	kph	on Feb 27 at hr 5	Hours of Missing Data:	0
Minimum Daily Value:	3.9	kph	on Feb 27	Hours of Calibration:	0
Monthly Average:	2.1	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 191 degree (S)

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	9.0	10.7	11.4	7.6	10.3	13.6	12.7	15.6	16.0	11.5	10.2	8.3	9.3	6.9	6.4	5.0	5.2	3.4	5.8	7.8	7.7	9.2	13.3	16.3	3.4	16.3	9.7
	N	N	N	NNE	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NE	NNE	NE	NE	ENE	ESE	ESE	ESE			
Feb 2	17.1	21.6	24.2	21.7	22.5	23.1	21.8	20.0	19.4	20.1	17.7	16.5	17.6	17.9	17.9	17.0	15.7	16.4	15.9	19.3	18.0	18.2	20.4	16.8	15.7	24.2	19.0
	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SSE	SSE	SE			
Feb 3	18.8	19.4	17.9	17.2	13.2	17.5	17.1	12.7	6.2	11.4	10.1	14.9	10.3	7.9	6.0	4.3	6.3	2.5	5.0	7.2	7.9	9.0	9.7	12.7	2.5	19.4	11.1
	SE	SSE	SSE	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	S	S	SSW	SW	SW	WNW	S	S	S	SSW			
Feb 4	11.8	7.2	7.0	2.8	9.1	10.7	10.1	7.8	6.8	8.8	6.4	10.8	12.3	9.8	7.9	5.6	4.0	3.4	5.5	6.2	2.3	8.0	14.9	19.4	2.3	19.4	8.3
	SSW	WSW	WSW	N	NNE	NNE	NE	ENE	NE	ENE	ENE	SSE	S	S	S	S	S	SE	SE	SSE	SSE	SSE	SSE	SSE			
Feb 5	20.0	15.3	16.6	13.7	17.1	16.1	19.7	20.9	19.5	14.6	14.6	17.8	21.7	25.6	23.7	20.2	22.0	22.3	36.6	24.4	26.7	12.8	17.5	19.7	12.8	36.6	20.0
	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	S	SSW	SW	SW	SW	WSW	W	W	N	NNW	W	WSW	WSW			
Feb 6	14.9	11.2	10.3	7.5	11.2	10.5	13.1	15.2	16.3	19.0	29.3	29.9	28.0	28.9	23.7	24.1	21.5	26.8	27.9	13.4	18.2	14.4	24.1	26.9	7.5	29.9	19.4
	WSW	SW	SW	S	S	S	S	S	S	SSW	SW	SW	SW	SW	SSW	SSW	SW	WSW	WSW	SW	SW	SW	SW	SW			
Feb 7	36.1	25.3	23.5	20.3	24.8	12.3	14.3	14.1	13.0	10.3	8.6	12.2	13.8	10.9	7.5	2.5	8.8	5.4	4.9	2.1	3.1	1.8	4.9	5.4	1.8	36.1	11.9
	WSW	WSW	WSW	WNW	NNW	WNW	SW	SW	SSW	SSW	SW	WSW	SW	SW	WSW	WSW	SW	SSE	S	SSE	SSE	S	NW	NW			
Feb 8	3.0	4.2	6.4	7.3	9.2	9.4	11.0	10.7	13.1	12.3	12.8	11.6	10.2	11.7	12.1	17.9	12.7	14.5	11.5	11.7	7.7	8.0	7.1	9.1	3.0	17.9	10.2
	SW	SSW	SSW	S	S	S	S	S	SSE	S	S	S	S	S	S	SW	SSW	S	SSW	SW	WSW	SW	SSW	SW			
Feb 9	5.8	3.3	9.5	9.8	8.8	12.4	16.0	11.4	15.2	19.3	16.8	15.7	14.0	16.4	15.1	17.5	15.4	12.2	10.2	15.5	19.3	9.9	7.8	9.8	3.3	19.3	12.8
	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SE	SE			
Feb 10	9.2	11.3	6.1	14.0	10.4	13.2	10.3	5.7	1.8	4.4	9.1	16.4	22.4	15.5	18.1	17.8	15.6	17.7	18.0	25.7	23.3	15.9	11.7	7.6	1.8	25.7	13.4
	ESE	ESE	E	ESE	ESE	ESE	E	ENE	S	NNW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW			
Feb 11	7.4	7.4	7.8	8.2	6.8	8.5	10.0	12.9	18.5	22.3	21.1	31.3	34.1	32.8	40.3	35.9	36.5	32.3	30.9	17.3	16.6	17.8	18.4	19.7	6.8	40.3	20.6
	SW	SSW	SSW	SSW	SSW	SW	SW	SSW	S	S	SSW	SW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW			
Feb 12	15.5	11.7	5.9	6.5	6.7	6.0	8.4	5.0	8.3	14.7	18.7	19.5	15.3	15.6	14.1	19.2	19.4	24.5	24.3	20.8	15.8	20.2	24.3	31.1	5.0	31.1	15.5
	W	WSW	SW	SW	SSW	S	SSE	SSE	SE	SSE	SE	SSE	SSE	SSW	S	S	SSE	SE	SSE	SSE	S	SSW	SW	SW			
Feb 13	35.3	**43.0**	42.8	40.4	31.9	31.6	32.6	34.8	31.8	28.7	26.7	24.9	19.5	17.9	15.3	15.1	11.8	10.8	6.2	5.0	4.6	5.3	5.2	6.1	4.6	**43.0**	**22.0**
	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	NW	NW	NNW	N	N	N	N	N	N	N	NNE	NNE	NNE	N	NNE	NNE			
Feb 14	6.8	8.0	9.8	12.2	11.4	12.2	12.0	11.1	14.2	9.7	8.8	6.7	6.0	8.3	2.2	6.2	3.4	5.5	3.3	3.3	3.5	4.6	6.2	7.5	2.2	14.2	7.6
	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	NW	W	WSW	S	SSE	ESE	ESE	ESE	ESE	E			
Feb 15	8.6	10.8	11.4	11.0	11.0	12.7	8.5	4.7	4.1	5.7	7.6	8.1	3.6	3.5	3.8	1.4	2.0	4.5	10.7	14.2	16.6	19.1	20.5	24.7	1.4	24.7	9.5
	E	E	E	E	E	E	ESE	ENE	NE	NE	NE	NE	NNW	WNW	NW	NNW	SSE	SE	SE	SE	SE	SE	SE	SE			
Feb 16	25.4	24.0	21.7	21.4	20.0	20.5	19.8	19.5	22.2	21.3	18.7	18.4	18.1	12.3	17.5	25.2	21.4	17.3	8.8	7.1	3.6	4.6	3.8	1.4	1.4	25.4	16.4
	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	S	S	S	SSW	WSW	W	W	WNW	WNW	NW	NE	NNE	NE	E	W			
Feb 17	4.0	1.5	4.4	2.8	2.7	11.1	7.2	3.4	3.8	4.3	3.8	5.3	3.3	7.8	7.9	6.4	3.4	6.0	6.2	5.3	5.0	7.5	7.7	8.5	1.5	11.1	5.4
	WSW	WSW	WSW	WNW	SW	SW	SSW	SW	N	NNE	NNE	NE	NE	NE	NNE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE			
Feb 18	7.9	7.4	9.3	6.3	6.4	7.8	9.1	7.9	9.2	9.3	9.1	10.3	12.1	9.8	8.1	5.7	4.8	6.7	6.5	5.7	6.0	8.2	19.0	19.0	4.8	19.0	8.8
	N	NNE	NNE	NNE	N	N	N	NNE	NNE	NNE	NNE	N	NNW	N	N	N	NNE	NE	ENE	E	ESE	SE	ESE	ESE			
Feb 19	18.9	11.9	10.6	5.8	4.8	1.5	4.4	6.4	4.1	3.0	6.3	6.4	11.4	16.9	17.7	13.7	12.0	14.0	11.1	8.0	6.7	6.4	9.7	15.8	1.5	18.9	9.5
	ESE	ESE	ESE	E	E	NE	NNE	NE	NE	NNE	N	N	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	NNW			
Feb 20	14.1	11.6	10.9	6.2	2.1	3.7	0.6	2.1	1.6	2.5	2.0	1.9	0.8	7.2	3.3	5.4	7.0	5.7	11.7	15.5	11.6	12.3	14.4	15.0	0.6	15.5	7.1
	N	N	N	N	N	NNW	SSW	NE	ESE	SE	S	WSW	NW	NE	N	NNW	NNE	NNE	N	N	N	N	N	N			
Feb 21	13.8	12.2	9.1	9.6	5.2	6.0	6.8	14.2	18.0	7.5	10.4	10.5	10.0	8.6	15.8	19.6	18.7	20.1	18.5	13.2	10.4	10.0	9.8	6.7	5.2	20.1	11.9
	N	N	N	N	N	NNE	N	NNW	NNW	N	N	N	N	N	N	N	N	NNW	N	N	N	N	N	N			
Feb 22	6.1	6.8	9.1	9.3	7.7	8.1	8.2	9.6	8.5	5.8	3.7	4.9	7.0	4.4	4.0	10.2	3.1	5.7	6.4	4.8	7.0	7.6	5.2	5.1	3.1	10.2	6.6
	N	NNE	NNE	NNE	NNE	NE	NE	NE	NE	ENE	ENE	WSW	WNW	W	WNW	NNW	N	NE	NNE	NNE	NNE	NE	NE	NNE			
Feb 23	5.8	6.9	6.8	9.6	9.3	8.4	8.9	6.7	4.4	7.8	9.6	7.8	9.4	8.4	7.8	8.6	7.5	1.3	2.8	5.3	6.9	8.7	8.1	7.5	1.3	9.6	7.3
	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	N	NNW	NNE	NE	NE	NE	NE	ESE			
Feb 24	15.1	16.8	18.2	18.4	19.5	21.7	20.9	23.5	22.5	23.0	21.1	22.1	21.4	17.9	17.5	14.6	14.2	17.4	14.0	8.4	15.8	26.8	28.8	26.5	8.4	28.8	19.4
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	WSW	W	W	W			
Feb 25	26.1	19.6	16.8	17.4	15.1	14.5	12.2	11.0	11.1	13.8	19.1	20.0	19.1	16.9	15.4	17.5	17.6	17.7	19.9	20.5	19.0	15.2	8.6	8.7	8.6	26.1	16.4
	WSW	SW	SW	SSW	SSW	SSW	SSW	S	S	SSE	SSE	SSE	SSE	SE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	ENE	E			
Feb 26	9.3	9.2	8.1	6.4	3.7	4.9	5.8	7.3	6.2	8.0	8.9	8.8	15.0	18.9	16.3	17.5	18.6	20.8	21.6	18.0	14.2	11.5	11.1	13.7	3.7	21.6	11.8
	E	NE	NE	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW			
Feb 27	3.7	0.5	0.7	1.4	0.8	**0.3**	1.4	1.2	0.9	1.6	0.8	3.6	4.9	6.1	6.1	6.2	2.7	2.3	4.1	6.3	7.7	9.8	8.6	11.2	**0.3**	11.2	**3.9**
	NW	SSW	SW	WSW	NW	ENE	SW	WNW	W	SSW	WSW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	NE	NE	ENE			
Feb 28	15.3	13.3	14.2	13.6	14.0	11.0	13.4	14.7	13.2	11.1	8.2	9.3	7.9	7.4	6.4	4.9	2.2	1.3	1.2	6.3	8.2	6.4	5.4	5.3	1.2	15.3	8.9
	E	ENE	NE	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NNE	N	NNW	W	SW	NE	E	E	E	ENE	SE			

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 2023

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

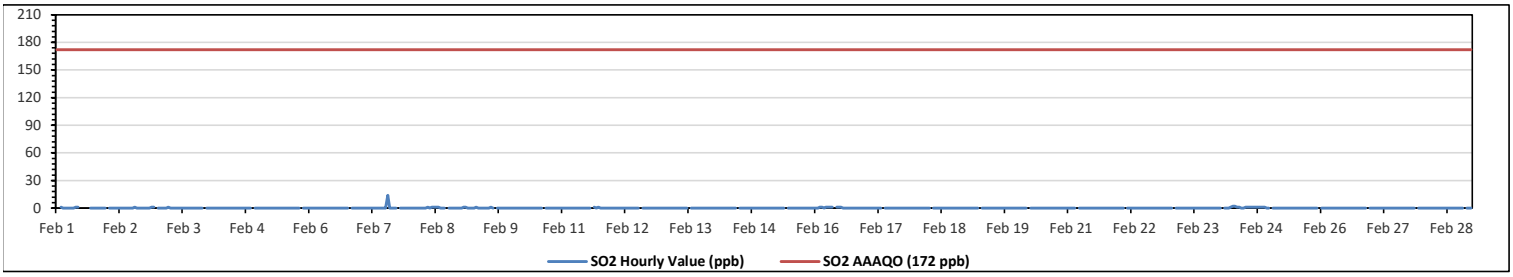
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

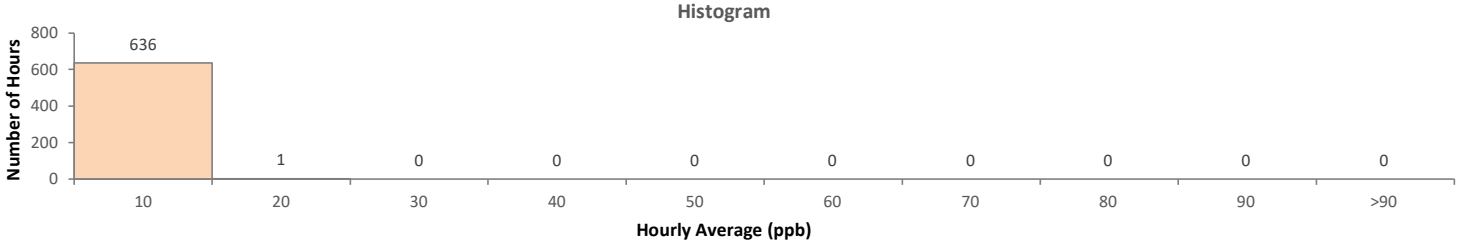
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	14	ppb	on Feb 7 at hr 13	Hours in Service:	672		
Maximum Daily Value:	0.7	ppb	on Feb 24	Hours of Data:	637		
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0		
Minimum Daily Value:	0.0	ppb	on Feb 4	Hours of Calibration:	35		
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	S	1	0	0	0	0	0	0	1	1	C	C	C	C	C	0	0	0	0	0	0	0	0	0	1	0.2
Feb 2	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	S	0	1	0.1
Feb 3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	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	S	0	0	0	0	0.0
Feb 5	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 6	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 7	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	S	0	0	0	0	0	0	14	0.6
Feb 8	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	S	0	0	0	0	0	0	0	1	0.2
Feb 9	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	S	0	0	0	0	0	0	0	0	1	0.2
Feb 10	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 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0	0	0	0	0	0	0	1	0.1
Feb 12	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 13	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 14	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 15	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 16	0	0	1	1	0	1	1	1	1	S	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4
Feb 17	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 18	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 19	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 20	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 21	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 22	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 23	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 24	0	S	0	0	0	1	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	2	0.7
Feb 25	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 26	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 27	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 28	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	0	1	1	1	0	1	2	2	1	1	1	1	1	14	1	1	1	1	1	1	1	1	1	0			
Diurnal Average	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0			

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

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



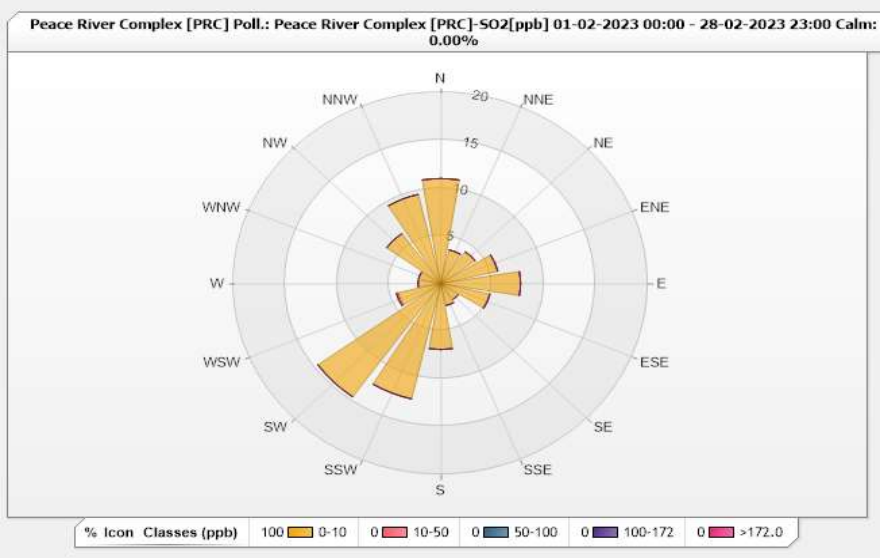


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	10.99	0	0	0	0	10.99
NNE	3.61	0	0	0	0	3.61
NE	4.08	0	0	0	0	4.08
ENE	5.65	0	0	0	0	5.65
E	7.69	0	0	0	0	7.69
ESE	4.87	0	0	0	0	4.87
SE	2.04	0	0	0	0	2.04
SSE	2.35	0	0	0	0	2.35
S	6.91	0	0	0	0	6.91
SSW	12.4	0	0	0	0	12.4
SW	14.6	0	0	0	0	14.6
WSW	4.24	0.16	0	0	0	4.4
W	2.2	0	0	0	0	2.2
WNW	2.2	0	0	0	0	2.2
NW	6.44	0	0	0	0	6.44
NNW	9.58	0	0	0	0	9.58
Summary	100	0.16	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

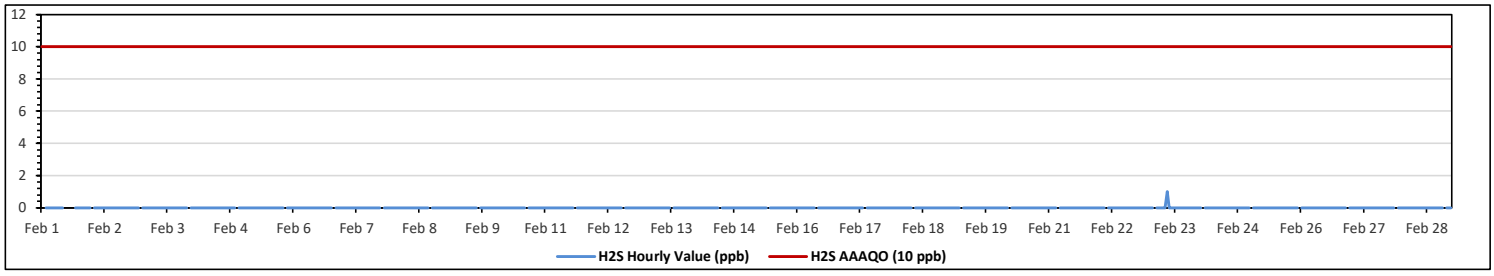
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb

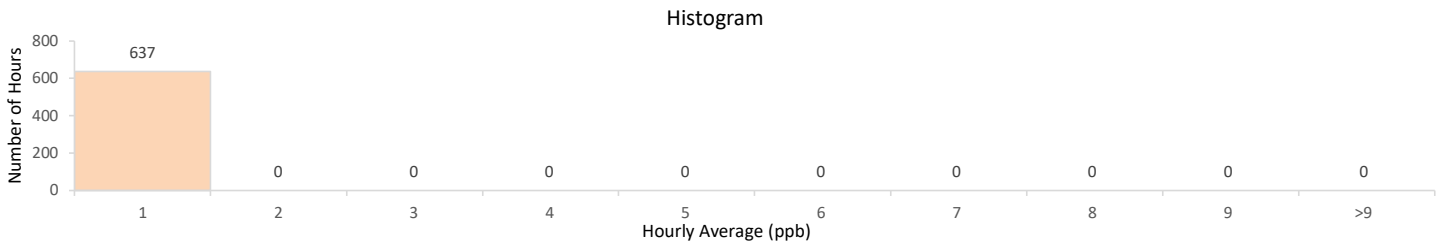
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0		
Maximum Hourly Value:	1	ppb	on Feb 23 at hr 8	Hours in Service:	672	
Maximum Daily Value:	0.0	ppb	on Feb 1	Hours of Data:	637	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 1	Hours of Calibration:	35	
Monthly Average:	0.0	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	S	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 2	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	0.0
Feb 3	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	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	S	0	0	0.0	0.0	0.0
Feb 5	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	0.0
Feb 6	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	0.0
Feb 7	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	0.0
Feb 8	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	0.0
Feb 9	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	0.0
Feb 10	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	0.0
Feb 11	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	0.0
Feb 12	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	0.0
Feb 13	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	0.0
Feb 14	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	0.0
Feb 15	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	0.0
Feb 16	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	0.0
Feb 17	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	0.0
Feb 18	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	0.0
Feb 19	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	0.0
Feb 20	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	0.0
Feb 21	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	0.0
Feb 22	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	0.0
Feb 23	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	1.0	0.0
Feb 24	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	0.0
Feb 25	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	0.0
Feb 26	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	0.0
Feb 27	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	0.0
Feb 28	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	0.0
Diurnal Maximum	0	0	0	0	0	0	0	0	1	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.



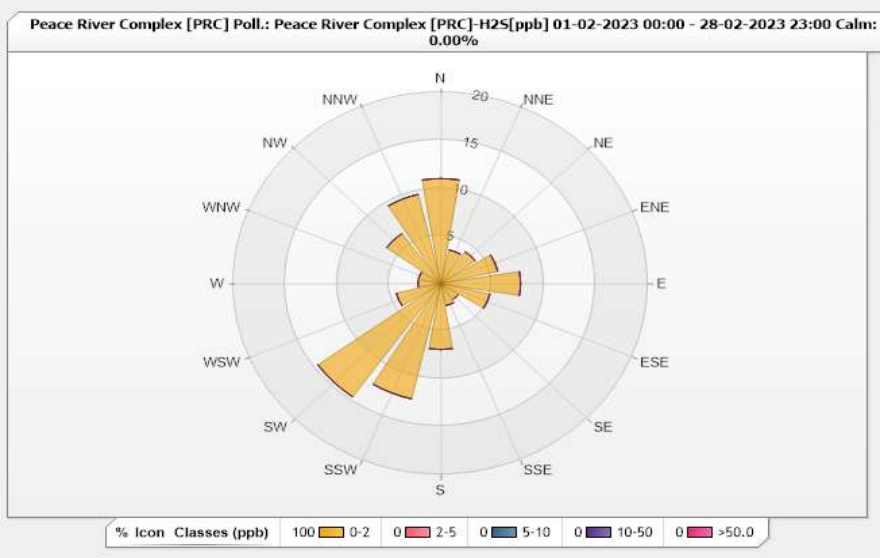


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	10.99	0	0	0	0	10.99
NNE	3.61	0	0	0	0	3.61
NE	4.08	0	0	0	0	4.08
ENE	5.65	0	0	0	0	5.65
E	7.69	0	0	0	0	7.69
ESE	4.87	0	0	0	0	4.87
SE	2.04	0	0	0	0	2.04
SSE	2.35	0	0	0	0	2.35
S	6.91	0	0	0	0	6.91
SSW	12.4	0	0	0	0	12.4
SW	14.6	0	0	0	0	14.6
WSW	4.4	0	0	0	0	4.4
W	2.2	0	0	0	0	2.2
WNW	2.2	0	0	0	0	2.2
NW	6.44	0	0	0	0	6.44
NNW	9.58	0	0	0	0	9.58
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

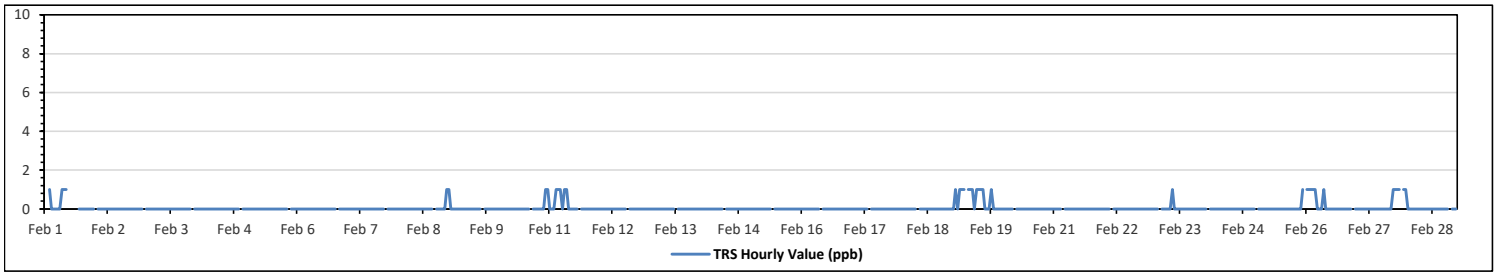
TOTAL REDUCED SULPHUR (TRS) in ppb

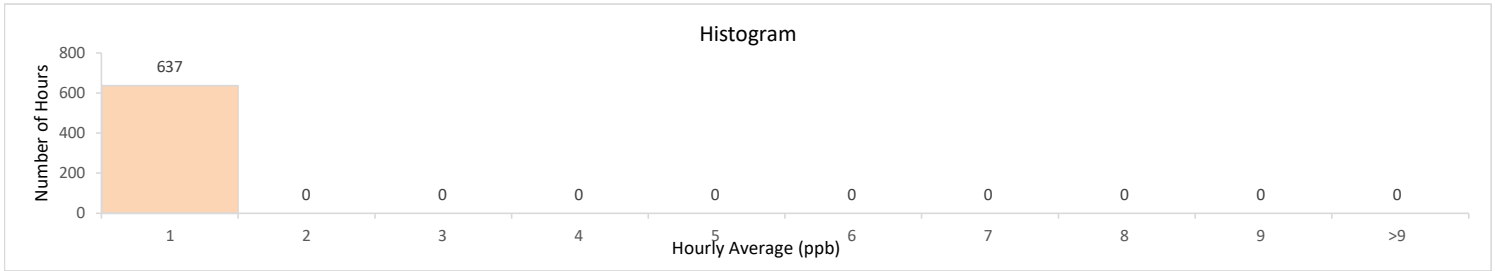
Maximum Hourly Value:	1	ppb	on Feb 1 at hr 2	Hours in Service:	672	
Maximum Daily Value:	0.5	ppb	on Feb 19	Hours of Data:	637	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Feb 2	Hours of Calibration:	35	
Monthly Average:	0.1	ppb		Operational Uptime:	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	S	1	0	0	0	0	0	1	1	1	C	C	C	C	C	0	0	0	0	0	0	0	0	0	1	0.2
Feb 2	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 3	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 4	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 5	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 6	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 7	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 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	1	0.0
Feb 9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0.0
Feb 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	1	0	1	0.1
Feb 11	0	0	0	1	1	1	0	1	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.2
Feb 12	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 13	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 14	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 15	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 16	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 17	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 18	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 19	0	1	0	1	1	1	S	1	1	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0.5
Feb 20	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 21	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 22	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 23	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 24	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 25	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	0	1	0.0
Feb 26	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.3
Feb 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	S	1	1	0	1	0.3
Feb 28	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	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1			
Diurnal Average	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	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.



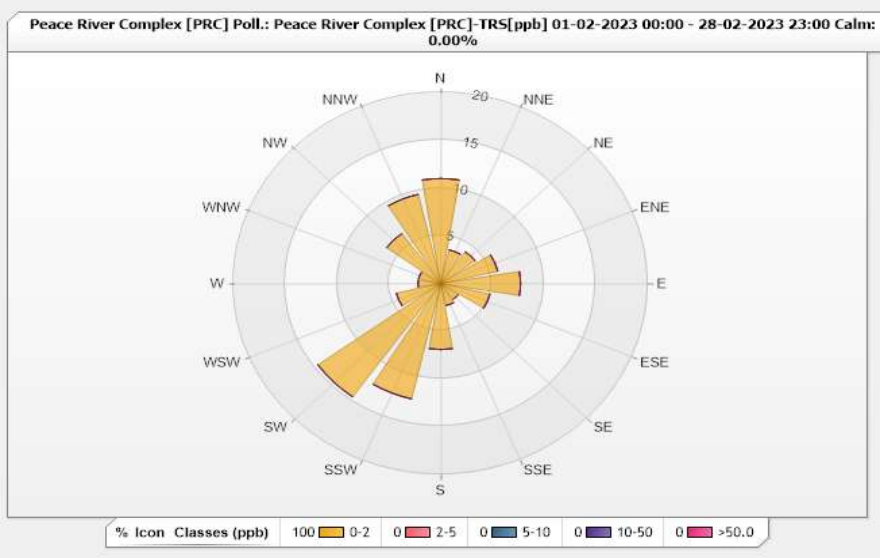


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	10.99	0	0	0	0	10.99
NNE	3.61	0	0	0	0	3.61
NE	4.08	0	0	0	0	4.08
ENE	5.65	0	0	0	0	5.65
E	7.69	0	0	0	0	7.69
ESE	4.87	0	0	0	0	4.87
SE	2.04	0	0	0	0	2.04
SSE	2.35	0	0	0	0	2.35
S	6.91	0	0	0	0	6.91
SSW	12.4	0	0	0	0	12.4
SW	14.6	0	0	0	0	14.6
WSW	4.4	0	0	0	0	4.4
W	2.2	0	0	0	0	2.2
WNW	2.2	0	0	0	0	2.2
NW	6.44	0	0	0	0	6.44
NNW	9.58	0	0	0	0	9.58
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

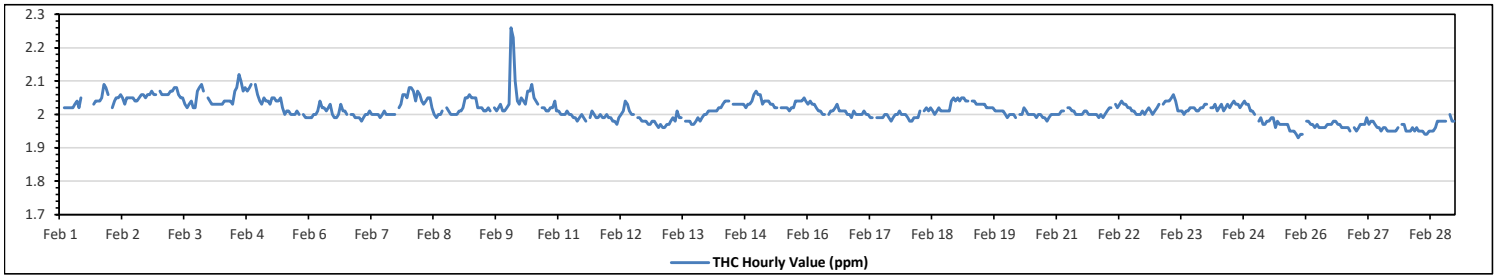
TOTAL HYDROCARBONS (THC) in ppm

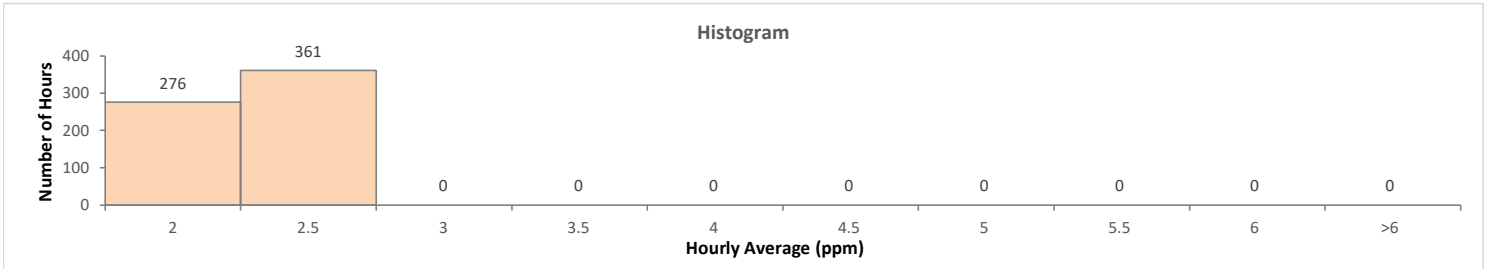
Maximum Hourly Value:	2.26	ppm	on Feb 10 at hr 1	Hours in Service:	672	
Maximum Daily Value:	2.06	ppm	on Feb 4	Hours of Data:	637	
Minimum Hourly Value:	1.93	ppm	on Feb 25 at hr 20	Hours of Missing Data:	0	
Minimum Daily Value:	1.96	ppm	on Feb 28	Hours of Calibration:	35	
Monthly Average:	2.01	ppm		Operational 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	2.02	S	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.02	2.05	C	C	C	C	C	2.03	2.04	2.04	2.04	2.05	2.09	2.08	2.06	2.02	2.09	2.04
Feb 2	S	2.02	2.04	2.05	2.05	2.06	2.05	2.03	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.06	2.06	2.05	2.06	2.06	2.07	2.06	2.06	S	2.02	2.07	2.05
Feb 3	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.06	2.05	2.05	2.03	2.02	2.03	2.04	2.02	2.02	2.07	2.08	2.09	2.07	S	2.05	2.02	2.09	2.06
Feb 4	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.07	2.08	2.12	2.10	2.07	2.08	2.07	2.08	2.09	S	2.09	2.06	2.03	2.12	**2.06**
Feb 5	2.04	2.03	2.05	2.04	2.04	2.03	2.05	2.05	2.04	2.04	2.05	2.02	2.00	2.01	2.01	2.00	2.00	2.00	2.01	2.00	S	2.00	1.99	1.99	1.99	2.05	2.02
Feb 6	1.99	1.99	2.00	2.00	2.01	2.04	2.02	2.02	2.01	2.02	2.03	2.00	1.99	1.99	2.00	2.03	2.01	2.01	2.00	S	2.00	2.00	1.99	1.99	1.99	2.04	2.01
Feb 7	1.99	1.98	1.99	2.00	2.00	2.01	2.00	2.00	2.00	2.00	1.99	2.00	2.01	2.00	2.00	2.00	2.00	2.00	S	2.02	2.03	2.06	2.06	2.05	1.98	2.06	2.01
Feb 8	2.08	2.08	2.07	2.04	2.07	2.06	2.04	2.03	2.04	2.05	2.05	2.02	2.00	1.99	2.00	2.00	2.01	S	2.02	2.01	2.00	2.00	2.00	2.00	1.99	2.08	2.03
Feb 9	2.01	2.01	2.02	2.05	2.05	2.06	2.05	2.05	2.05	2.02	2.02	2.02	2.01	2.01	2.02	2.01	S	2.02	2.01	2.02	2.03	2.01	2.01	2.02	2.01	2.06	2.03
Feb 10	2.03	**2.26**	2.23	2.10	2.04	2.03	2.05	2.04	2.03	2.07	2.07	2.09	2.05	2.04	2.03	S	2.02	2.02	2.01	2.01	2.02	2.02	2.04	2.01	2.01	**2.26**	2.06
Feb 11	2.01	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	1.98	1.99	2.00	1.99	1.98	S	1.99	2.01	2.00	1.99	1.99	2.00	1.99	1.99	2.00	1.98	2.01	2.00
Feb 12	1.99	1.99	1.98	1.98	1.97	1.99	2.00	2.01	2.04	2.03	2.01	2.00	2.00	S	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.97	1.97	2.04	1.99
Feb 13	1.96	1.97	1.96	1.96	1.97	1.97	1.98	1.99	1.98	2.01	1.99	1.99	S	1.98	1.98	1.98	1.97	1.97	1.98	1.99	1.98	1.99	2.00	2.00	1.96	2.01	1.98
Feb 14	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.04	2.04	2.04	S	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.06	2.07	2.01	2.07	2.03
Feb 15	2.06	2.06	2.03	2.04	2.04	2.04	2.03	2.03	2.02	2.02	S	2.02	2.02	2.02	2.02	2.01	2.02	2.02	2.04	2.04	2.04	2.04	2.05	2.04	2.01	2.06	2.03
Feb 16	2.03	2.04	2.03	2.03	2.02	2.01	2.01	2.00	2.00	S	2.00	2.01	2.01	2.02	2.03	2.01	2.01	2.01	2.01	2.00	2.00	1.99	2.01	2.00	1.99	2.04	2.01
Feb 17	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	S	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.98	1.99	2.00	2.00	2.01	2.00	2.00	2.00	1.98	2.01	2.00
Feb 18	1.99	1.98	1.98	1.99	1.99	1.99	2.01	S	2.01	2.02	2.01	2.02	2.01	2.00	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.04	2.05	2.04	1.98	2.05	2.01
Feb 19	2.05	2.04	2.05	2.05	2.04	2.04	S	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.05	2.03
Feb 20	1.99	2.00	2.00	2.00	1.99	S	2.00	2.00	2.02	2.01	2.00	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	1.98	1.99	2.00	2.00	2.00	1.98	2.02	2.00
Feb 21	2.00	2.00	2.01	2.01	S	2.02	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	2.00	1.99	2.00	1.99	2.02	2.00
Feb 22	2.01	2.02	2.02	S	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.02	2.01	2.01	2.00	2.00	2.00	2.01	2.00	2.01	2.02	2.01	2.00	2.01	2.00	2.04	2.02
Feb 23	2.02	2.03	S	2.03	2.04	2.04	2.04	2.05	2.06	2.04	2.01	2.01	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.01	2.01	2.02	2.02	2.03	2.00	2.06	2.02
Feb 24	2.03	S	2.02	2.02	2.03	2.01	2.02	2.03	2.01	2.02	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.03	2.04	2.03	2.03	2.01	2.01	2.00	2.00	2.04	2.02
Feb 25	S	1.98	1.99	1.97	1.97	1.98	1.98	1.99	1.99	1.96	1.98	1.97	1.97	1.97	1.97	1.97	1.95	1.95	1.95	1.94	1.93	1.94	1.94	S	1.93	1.99	1.97
Feb 26	1.98	1.98	1.97	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.95	S	1.96	1.95	1.98	1.97
Feb 27	1.95	1.96	1.97	1.97	1.97	1.99	1.97	1.98	1.98	1.97	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	S	1.97	1.97	1.95	1.99	1.96
Feb 28	1.95	1.95	1.95	1.96	1.95	1.96	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.96	1.98	1.98	1.98	1.98	1.98	S	2.00	1.98	1.98	1.94	2.00	1.96
Diurnal Maximum	2.08	2.26	2.23	2.10	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.09	2.07	2.08	2.12	2.10	2.07	2.08	2.07	2.08	2.09	2.09	2.09	2.07			
Diurnal Average	2.01	2.02	2.02	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01			

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.



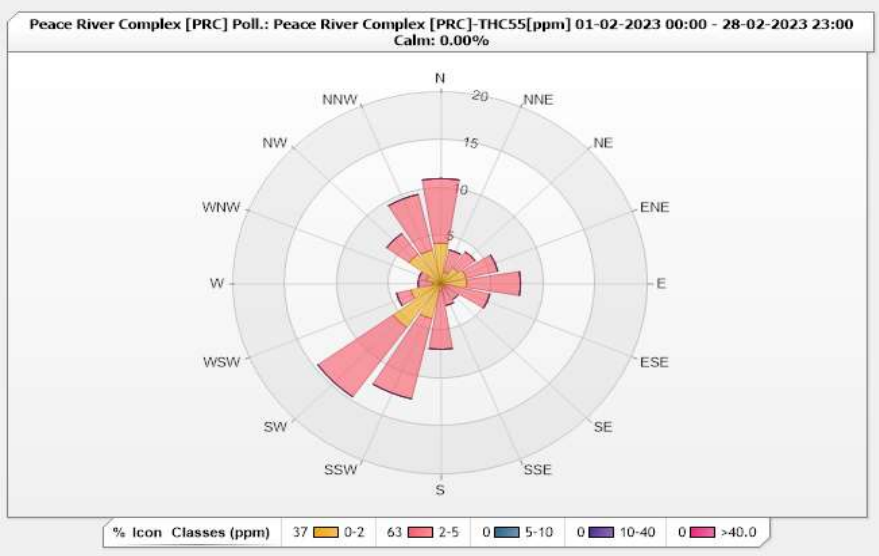


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	4.24	6.75	0	0	0	10.99
NNE	1.26	2.35	0	0	0	3.61
NE	2.04	2.04	0	0	0	4.08
ENE	2.51	3.14	0	0	0	5.65
E	2.51	5.18	0	0	0	7.69
ESE	0.31	4.55	0	0	0	4.86
SE	0.63	1.41	0	0	0	2.04
SSE	0.47	1.88	0	0	0	2.35
S	0.78	6.12	0	0	0	6.9
SSW	3.77	8.63	0	0	0	12.4
SW	5.65	8.95	0	0	0	14.6
WSW	2.98	1.41	0	0	0	4.39
W	0.78	1.41	0	0	0	2.19
WNW	1.41	0.78	0	0	0	2.19
NW	3.77	2.67	0	0	0	6.44
NNW	3.61	5.97	0	0	0	9.58
Summary	36.72	63.24	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

METHANE (CH4) in ppm

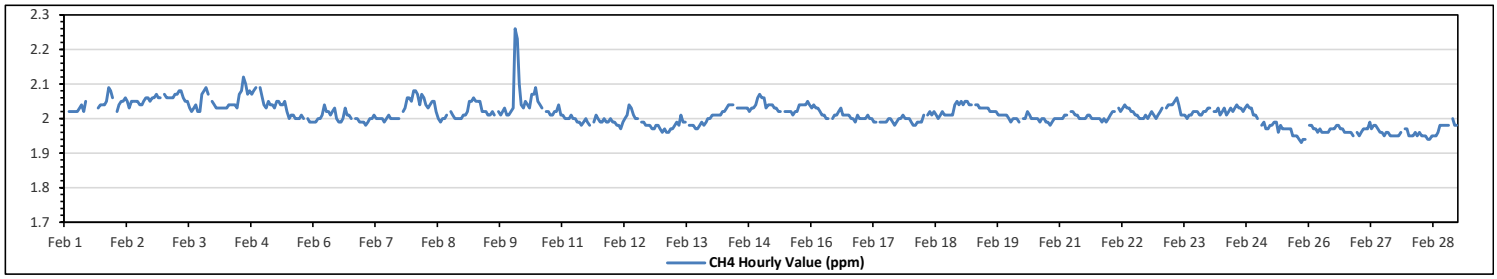
Maximum Hourly Value:	2.26	ppm	on Feb 10 at hr 1	Hours in Service:	672	
Maximum Daily Value:	2.06	ppm	on Feb 4	Hours of Data:	637	
Minimum Hourly Value:	1.93	ppm	on Feb 25 at hr 20	Hours of Missing Data:	0	
Minimum Daily Value:	1.96	ppm	on Feb 28	Hours of Calibration:	35	
Monthly Average:	2.01	ppm		Operational Uptime:	100.0	

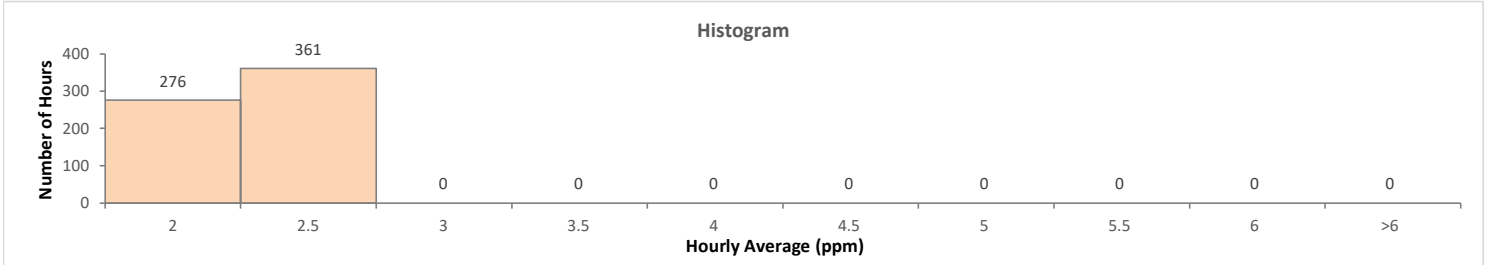
Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	2.02	S	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.02	2.05	C	C	C	C	C	2.03	2.04	2.04	2.04	2.05	2.09	2.08	2.06	2.02	2.09	2.04
Feb 2	S	2.02	2.04	2.05	2.05	2.06	2.05	2.03	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.06	2.06	2.05	2.06	2.06	2.07	2.06	2.06	S	2.02	2.07	2.05
Feb 3	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.06	2.05	2.05	2.03	2.02	2.03	2.04	2.02	2.02	2.07	2.08	2.09	2.07	S	2.05	2.02	2.09	2.06
Feb 4	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.03	2.07	2.08	2.12	2.10	2.07	2.08	2.07	2.08	2.09	S	2.09	2.06	2.03	2.12	**2.06**
Feb 5	2.04	2.03	2.05	2.04	2.04	2.03	2.05	2.05	2.04	2.04	2.05	2.02	2.00	2.01	2.01	2.00	2.00	2.00	2.01	2.00	S	2.00	1.99	1.99	1.99	2.05	2.02
Feb 6	1.99	1.99	2.00	2.00	2.01	2.04	2.02	2.02	2.01	2.02	2.03	2.00	1.99	1.99	2.00	2.03	2.01	2.01	2.00	S	2.00	2.00	1.99	1.99	1.99	2.04	2.01
Feb 7	1.99	1.98	1.99	2.00	2.00	2.01	2.00	2.00	2.00	2.00	1.99	2.00	2.01	2.00	2.00	2.00	2.00	2.00	S	2.02	2.03	2.06	2.06	2.05	1.98	2.06	2.01
Feb 8	2.08	2.08	2.07	2.04	2.07	2.06	2.04	2.03	2.04	2.05	2.05	2.02	2.00	1.99	2.00	2.00	2.01	S	2.02	2.01	2.00	2.00	2.00	2.00	1.99	2.08	2.03
Feb 9	2.01	2.01	2.02	2.05	2.05	2.06	2.05	2.05	2.05	2.02	2.02	2.02	2.01	2.01	2.02	2.01	S	2.02	2.01	2.02	2.03	2.01	2.01	2.02	2.01	2.06	2.03
Feb 10	2.03	**2.26**	2.23	2.10	2.04	2.03	2.05	2.04	2.03	2.07	2.07	2.09	2.05	2.04	2.03	S	2.02	2.02	2.01	2.01	2.02	2.02	2.04	2.01	2.01	**2.26**	2.06
Feb 11	2.01	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	1.98	1.99	2.00	1.99	1.98	S	1.99	2.01	2.00	1.99	1.99	2.00	1.99	1.99	2.00	1.98	2.01	2.00
Feb 12	1.99	1.99	1.98	1.98	1.97	1.99	2.00	2.01	2.04	2.03	2.01	2.00	2.00	S	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.98	1.98	1.97	1.97	2.04	1.99
Feb 13	1.96	1.97	1.96	1.96	1.97	1.97	1.98	1.99	1.98	2.01	1.99	1.99	S	1.98	1.98	1.98	1.97	1.97	1.98	1.99	1.98	1.99	2.00	2.00	1.96	2.01	1.98
Feb 14	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.04	2.04	2.04	S	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.04	2.06	2.07	2.01	2.07	2.03
Feb 15	2.06	2.06	2.03	2.04	2.04	2.04	2.03	2.03	2.02	2.02	S	2.02	2.02	2.02	2.02	2.01	2.02	2.02	2.04	2.04	2.04	2.04	2.05	2.04	2.01	2.06	2.03
Feb 16	2.03	2.04	2.03	2.03	2.02	2.01	2.01	2.00	2.00	S	2.00	2.01	2.01	2.02	2.03	2.01	2.01	2.01	2.01	2.00	2.00	1.99	2.01	2.00	1.99	2.04	2.01
Feb 17	2.00	2.00	2.00	2.01	2.00	2.00	1.99	1.99	S	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.98	1.99	2.00	2.00	2.01	2.00	2.00	2.00	1.98	2.01	2.00
Feb 18	1.99	1.98	1.98	1.99	1.99	1.99	2.01	S	2.01	2.02	2.01	2.02	2.01	2.00	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.04	2.05	2.04	1.98	2.05	2.01
Feb 19	2.05	2.04	2.05	2.05	2.04	2.04	S	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.00	2.05	2.03
Feb 20	1.99	2.00	2.00	2.00	1.99	S	2.00	2.00	2.02	2.01	2.00	2.00	2.00	2.00	1.99	2.00	2.00	1.99	1.99	1.98	1.99	2.00	2.00	2.00	1.98	2.02	2.00
Feb 21	2.00	2.00	2.01	2.01	S	2.02	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	2.00	1.99	2.00	1.99	2.02	2.00
Feb 22	2.01	2.02	2.02	S	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.02	2.01	2.01	2.00	2.00	2.00	2.01	2.00	2.01	2.02	2.01	2.00	2.01	2.00	2.04	2.02
Feb 23	2.02	2.03	S	2.03	2.04	2.04	2.04	2.05	2.06	2.04	2.01	2.01	2.01	2.00	2.01	2.01	2.02	2.02	2.02	2.01	2.01	2.02	2.02	2.03	2.00	2.06	2.02
Feb 24	2.03	S	2.02	2.02	2.03	2.01	2.02	2.03	2.01	2.02	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.03	2.04	2.03	2.03	2.01	2.01	2.00	2.00	2.04	2.02
Feb 25	S	1.98	1.99	1.97	1.97	1.98	1.98	1.99	1.99	1.96	1.98	1.97	1.97	1.97	1.97	1.97	1.95	1.95	1.95	1.94	1.93	1.94	1.94	S	1.93	1.99	1.97
Feb 26	1.98	1.98	1.97	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.96	1.96	1.96	1.96	1.95	S	1.96	1.95	1.98	1.97
Feb 27	1.95	1.96	1.97	1.97	1.97	1.99	1.97	1.98	1.98	1.97	1.96	1.96	1.95	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.96	S	1.97	1.97	1.95	1.99	1.96
Feb 28	1.95	1.95	1.95	1.96	1.95	1.96	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.96	1.98	1.98	1.98	1.98	1.98	S	2.00	1.98	1.98	1.94	2.00	1.96
Diurnal Maximum	2.08	2.26	2.23	2.10	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.09	2.07	2.08	2.12	2.10	2.07	2.08	2.07	2.08	2.09	2.09	2.09	2.07			
Diurnal Average	2.01	2.02	2.02	2.01	2.01	2.02	2.01	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01			

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.



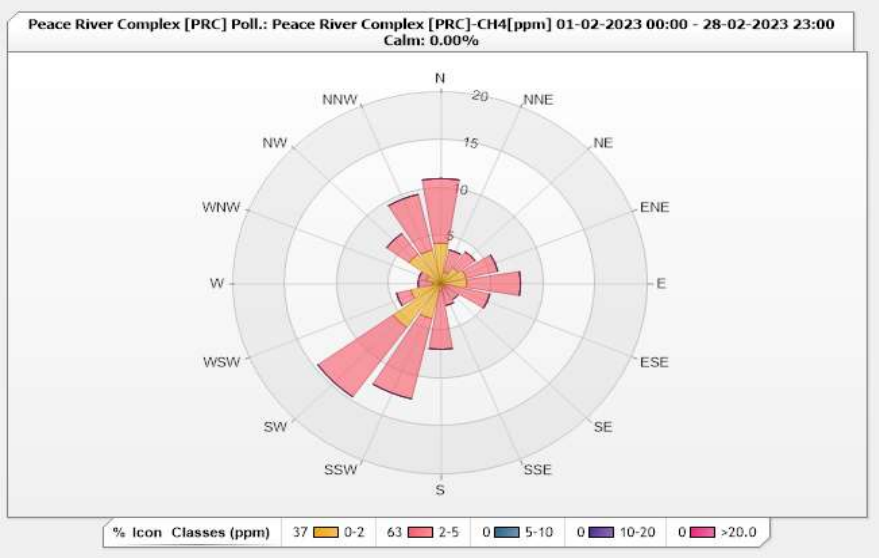


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	4.24	6.75	0	0	0	10.99
NNE	1.26	2.35	0	0	0	3.61
NE	2.04	2.04	0	0	0	4.08
ENE	2.51	3.14	0	0	0	5.65
E	2.51	5.18	0	0	0	7.69
ESE	0.31	4.55	0	0	0	4.86
SE	0.63	1.41	0	0	0	2.04
SSE	0.47	1.88	0	0	0	2.35
S	0.78	6.12	0	0	0	6.9
SSW	3.77	8.63	0	0	0	12.4
SW	5.65	8.95	0	0	0	14.6
WSW	2.98	1.41	0	0	0	4.39
W	0.78	1.41	0	0	0	2.19
WNW	1.41	0.78	0	0	0	2.19
NW	3.77	2.67	0	0	0	6.44
NNW	3.61	5.97	0	0	0	9.58
Summary	36.72	63.24	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

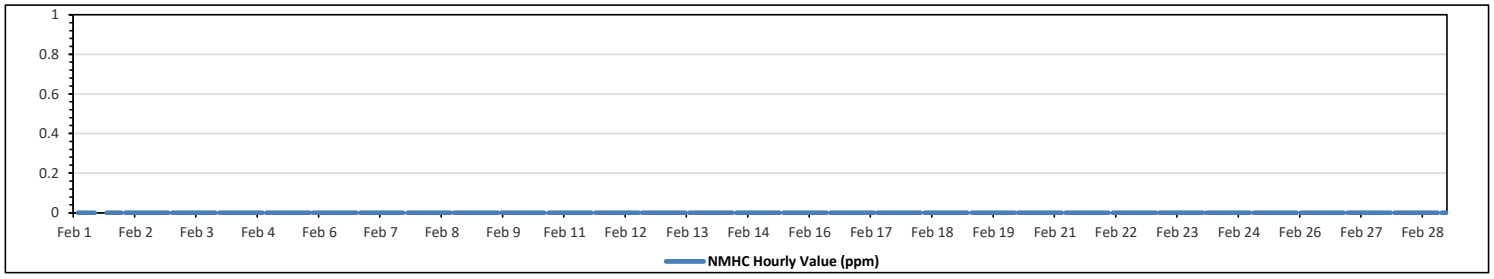
NON-METHANE HYDROCARBONS (NMHC) in ppm

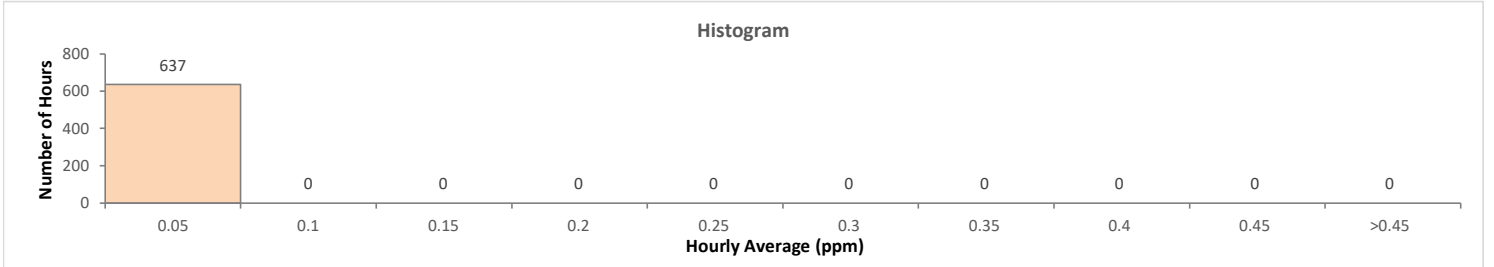
Maximum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours in Service:	672	
Maximum Daily Value:	0.00	ppm	on Feb 1	Hours of Data:	637	
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on Feb 1	Hours of Calibration:	35	
Monthly Average:	0.00	ppm		Operational 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	S	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
Feb 2	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 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 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	S	0.00	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	S	0.00	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	S	0.00	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	S	0.00	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	S	0.00	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	S	0.00	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	S	0.00	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	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 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	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 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	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 14	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 15	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 16	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 17	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 18	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 19	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 20	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 21	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 22	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 23	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 24	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 25	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 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 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	S	0.00	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	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.



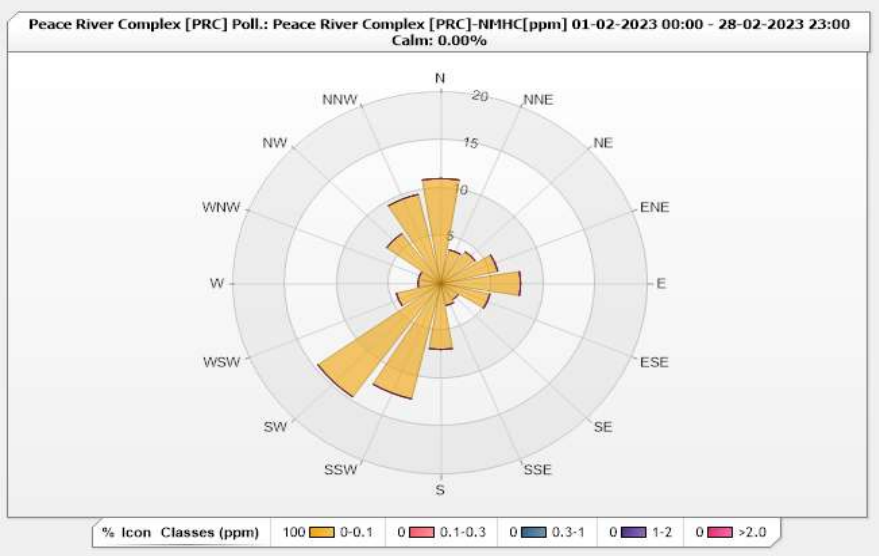


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.79% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	10.99	0	0	0	0	10.99
NNE	3.61	0	0	0	0	3.61
NE	4.08	0	0	0	0	4.08
ENE	5.65	0	0	0	0	5.65
E	7.69	0	0	0	0	7.69
ESE	4.87	0	0	0	0	4.87
SE	2.04	0	0	0	0	2.04
SSE	2.35	0	0	0	0	2.35
S	6.91	0	0	0	0	6.91
SSW	12.4	0	0	0	0	12.4
SW	14.6	0	0	0	0	14.6
WSW	4.4	0	0	0	0	4.4
W	2.2	0	0	0	0	2.2
WNW	2.2	0	0	0	0	2.2
NW	6.44	0	0	0	0	6.44
NNW	9.58	0	0	0	0	9.58
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

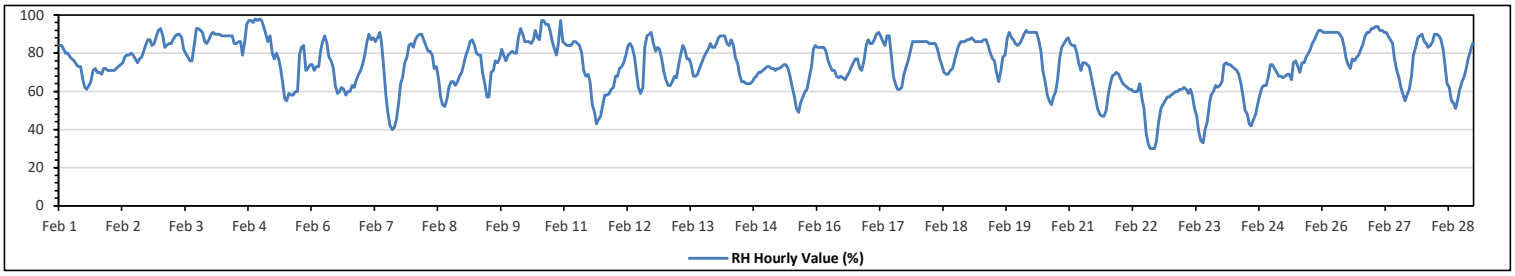
Maximum Hourly Value:	98	%	on Feb 4 at hr 21	Hours in Service:	672	
Maximum Daily Value:	90.4	%	on Feb 4	Hours of Data:	672	
Minimum Hourly Value:	30	%	on Feb 22 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	51.6	%	on Feb 22	Hours of Calibration:	0	
Monthly Average:	74.6	%		Operational Uptime:	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	84	84	82	80	80	78	77	76	74	73	73	66	62	61	63	65	71	72	70	70	69	72	72	71	61	84	72.7
Feb 2	71	71	71	72	73	74	75	78	79	79	80	79	77	75	77	78	81	84	87	87	84	85	89	92	71	92	79.1
Feb 3	93	89	83	84	85	85	87	89	90	90	88	82	80	78	76	76	84	93	93	92	91	86	85	87	76	93	86.1
Feb 4	90	91	90	90	90	89	89	89	89	89	89	85	85	86	86	79	86	95	97	97	96	**98**	97	**98**	79	**98**	**90.4**
Feb 5	97	94	90	86	89	80	77	80	77	72	65	56	55	59	58	58	60	60	79	83	84	71	72	74	55	97	74.0
Feb 6	74	71	73	73	81	86	89	85	78	76	72	63	59	60	62	61	58	60	60	63	62	66	69	71	58	89	69.7
Feb 7	74	79	86	90	87	88	86	88	91	86	73	58	49	42	40	41	45	54	64	67	75	78	84	85	40	91	71.3
Feb 8	83	87	89	90	90	87	84	81	81	79	72	73	66	57	53	52	56	62	65	65	63	65	68	70	52	90	72.4
Feb 9	74	79	82	86	87	84	80	79	79	70	64	57	57	70	71	76	75	77	82	79	76	79	80	81	57	87	76.0
Feb 10	80	80	88	93	90	86	86	86	85	87	92	88	87	97	97	95	95	92	86	82	79	85	97	86	79	97	88.3
Feb 11	85	84	84	84	86	86	85	84	80	71	68	69	65	53	49	43	45	47	53	58	58	59	61	62	43	86	67.5
Feb 12	68	68	72	73	75	79	84	85	83	78	70	62	59	62	83	89	90	91	85	81	83	82	77	70	59	91	77.0
Feb 13	66	63	63	65	68	67	73	79	84	82	77	77	74	68	68	69	72	75	78	80	82	85	83	83	63	85	74.2
Feb 14	85	88	89	89	89	85	84	87	84	77	75	69	65	65	64	64	64	65	67	68	70	70	71	72	64	89	75.3
Feb 15	73	73	72	72	71	72	72	73	74	74	72	67	62	57	51	49	54	57	60	61	67	73	82	84	49	84	67.6
Feb 16	83	83	83	83	81	76	73	71	71	68	67	68	67	66	68	70	73	75	77	77	72	71	76	84	66	84	74.3
Feb 17	87	85	85	87	90	91	89	86	84	89	89	78	68	64	61	61	62	69	73	76	81	86	86	86	61	91	79.7
Feb 18	86	86	86	86	86	85	85	85	85	82	77	74	70	69	69	71	72	76	80	84	86	86	86	87	69	87	80.8
Feb 19	87	88	87	86	86	86	86	87	87	84	80	77	76	70	65	71	78	79	88	91	88	87	85	84	65	91	82.6
Feb 20	85	87	90	92	91	91	91	91	91	87	81	71	65	58	55	53	57	60	66	78	83	85	87	88	53	92	78.5
Feb 21	85	84	84	81	75	71	75	75	74	73	68	62	56	51	48	47	47	50	59	64	68	69	70	69	47	85	66.9
Feb 22	66	64	63	62	61	61	60	60	60	64	56	51	38	32	**30**	**30**	**30**	34	44	51	53	55	57	57	**30**	66	**51.6**
Feb 23	58	59	60	60	61	61	62	61	59	61	58	51	47	39	34	33	40	44	54	58	60	63	62	63	33	63	54.5
Feb 24	65	74	75	74	74	73	72	71	69	64	57	50	48	43	42	45	48	53	58	62	63	63	68	74	42	75	61.9
Feb 25	74	72	70	68	68	67	68	69	69	66	75	76	73	70	75	75	78	80	82	85	87	90	92	92	66	92	75.9
Feb 26	91	91	91	91	91	91	91	91	90	88	83	77	74	72	77	76	78	79	82	85	89	91	91	93	72	93	85.5
Feb 27	93	94	94	92	92	91	91	89	87	85	77	71	67	62	58	55	58	61	68	79	83	88	89	90	55	94	79.8
Feb 28	86	85	83	84	86	90	90	89	87	82	72	64	62	55	54	51	56	61	65	68	72	77	81	85	51	90	74.4
Diurnal Maximum	97	94	94	93	92	91	91	91	91	90	92	88	87	97	97	95	95	95	97	97	96	98	97	98			
Diurnal Average	80.1	80.5	80.9	81.2	81.5	80.7	80.8	80.9	80.0	77.7	73.9	68.6	64.8	62.2	61.9	61.9	64.8	68.0	72.2	74.7	75.9	77.3	79.2	79.9			

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

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

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



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

BAROMETRIC PRESSURE (BP) in millibar

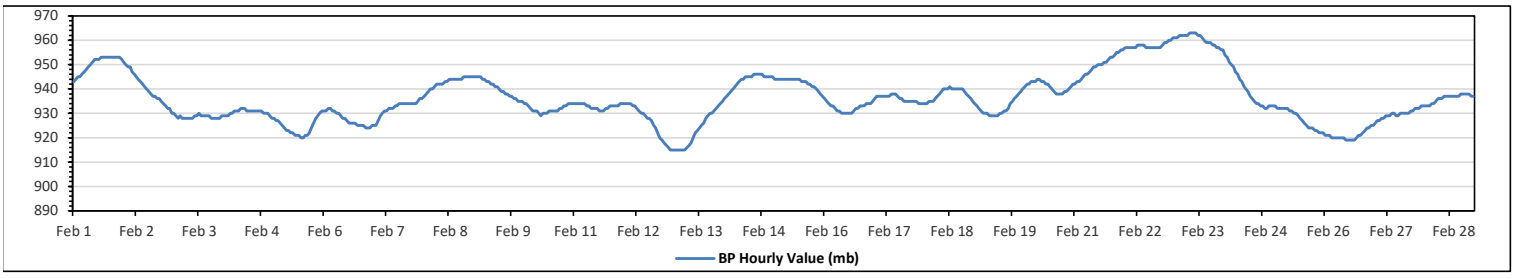
Maximum Hourly Value:	963 mb	on Feb 23 at hr 7	Hours in Service:	672	
Maximum Daily Value:	960 mb	on Feb 23	Hours of Data:	672	
Minimum Hourly Value:	915 mb	on Feb 12 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	921 mb	on Feb 26	Hours of Calibration:	0	
Monthly Average:	936 mb		Operational 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	943	944	945	945	946	947	948	949	950	951	952	952	952	953	953	953	953	953	953	953	953	953	953	952	943	953	950
Feb 2	951	950	949	949	947	946	945	944	943	942	941	940	939	938	937	937	936	936	935	934	933	932	932	930	930	951	940
Feb 3	930	929	928	929	928	928	928	928	928	928	929	929	930	929	929	929	929	929	928	928	928	928	928	929	928	930	929
Feb 4	929	929	929	930	930	931	931	931	932	932	932	931	931	931	931	931	931	931	931	930	930	930	929	928	928	932	930
Feb 5	928	927	927	926	925	924	923	923	922	922	921	921	921	920	920	921	921	922	924	926	928	929	930	931	920	931	924
Feb 6	931	931	932	932	931	931	930	930	929	928	928	927	926	926	926	926	925	925	925	925	924	924	924	925	924	932	928
Feb 7	925	925	927	929	930	931	931	932	932	932	933	933	934	934	934	934	934	934	934	934	934	935	936	936	925	936	932
Feb 8	937	938	939	940	940	941	942	942	942	942	943	943	944	944	944	944	944	944	944	945	945	945	945	945	937	945	943
Feb 9	945	945	945	945	944	944	943	943	942	942	941	941	940	939	939	938	938	937	937	936	936	935	935	935	935	945	940
Feb 10	934	934	933	932	931	931	931	930	929	930	930	930	931	931	931	931	931	932	932	933	933	934	934	934	929	934	932
Feb 11	934	934	934	934	934	934	933	933	932	932	932	932	931	931	931	932	932	933	933	933	933	933	934	934	931	934	933
Feb 12	934	934	934	934	933	933	932	931	930	930	929	928	928	927	925	924	922	920	919	918	917	916	**915**	**915**	**915**	934	926
Feb 13	**915**	**915**	**915**	**915**	**915**	**915**	916	917	918	920	922	923	924	925	926	928	929	930	930	931	932	933	934	935	**915**	935	923
Feb 14	936	937	938	939	940	941	942	943	944	944	945	945	945	945	946	946	946	946	946	945	945	945	945	945	936	946	943
Feb 15	944	944	944	944	944	944	944	944	944	944	944	944	944	943	943	943	942	942	941	941	940	939	938	937	937	944	943
Feb 16	936	935	934	933	933	932	931	931	930	930	930	930	930	930	931	932	932	933	933	933	934	934	934	935	930	936	932
Feb 17	936	937	937	937	937	937	937	937	938	938	938	937	936	936	935	935	935	935	935	935	935	934	934	934	934	938	936
Feb 18	934	934	935	935	935	936	937	938	939	940	940	940	941	940	940	940	940	940	940	939	938	937	936	935	934	941	938
Feb 19	934	933	932	931	930	930	930	929	929	929	929	929	930	930	931	931	932	934	935	936	937	938	939	940	929	940	932
Feb 20	941	942	942	943	943	943	944	944	943	943	942	942	941	940	939	938	938	938	938	939	939	940	941	942	938	944	941
Feb 21	942	943	943	944	945	946	946	947	948	949	949	950	950	950	951	951	952	953	953	954	955	955	956	956	942	956	950
Feb 22	957	957	957	957	957	957	958	958	958	958	957	957	957	957	957	957	957	957	958	959	959	960	960	961	957	961	958
Feb 23	961	961	962	962	962	962	962	**963**	**963**	**963**	**963**	962	962	961	960	959	959	959	958	958	957	957	956	956	956	**963**	**960**
Feb 24	954	953	951	950	949	947	946	944	943	941	940	939	937	936	935	934	934	933	933	932	932	933	933	933	932	954	940
Feb 25	933	932	932	932	932	932	932	931	931	930	930	929	928	927	926	925	924	924	924	923	923	922	922	922	922	933	928
Feb 26	921	921	921	920	920	920	920	920	920	920	919	919	919	919	919	920	921	921	922	923	924	924	925	925	919	925	**921**
Feb 27	926	927	927	928	928	929	929	929	930	930	929	929	930	930	930	930	930	931	931	932	932	932	933	933	926	933	930
Feb 28	933	933	933	934	934	935	936	936	936	937	937	937	937	937	937	937	937	938	938	938	938	938	937	937	933	938	936
Diurnal Maximum	961	961	962	962	962	962	962	963	963	963	963	962	962	961	960	959	959	959	958	959	959	960	960	961			
Diurnal Average	937	937	937	937	937	937	937	937	937	937	937	936	936	936	936	936	936	936	936	936	936	936	936	936			

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 2023

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

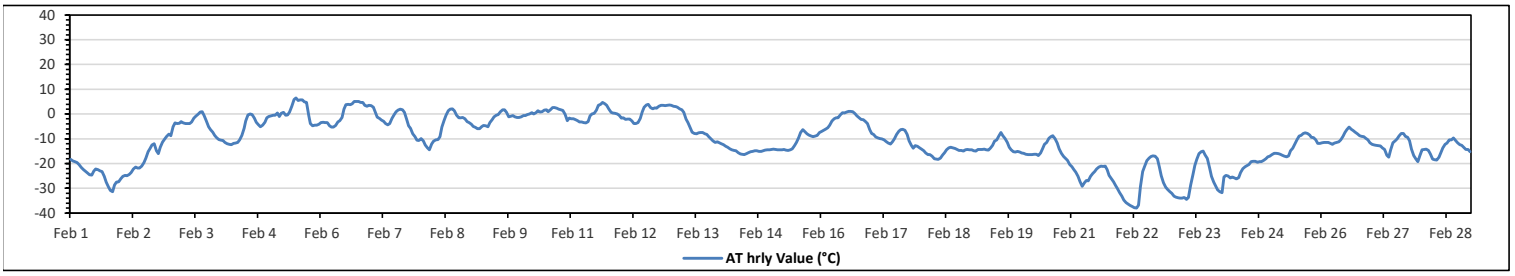
Maximum Hourly Value:	6.5	°C	on Feb 5 at hr 12	Hours in Service:	672	
Maximum Daily Value:	0.8	°C	on Feb 5	Hours of Data:	672	
Minimum Hourly Value:	-38.0	°C	on Feb 22 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-28.0	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	-10.6	°C		Operational 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	-18.3	-19	-19.2	-19.6	-20.4	-21.6	-22.4	-23.1	-23.8	-24.5	-24.6	-23.1	-22.2	-22.4	-22.9	-23.3	-25.1	-27.5	-29.4	-30.8	-31.3	-28.6	-27.5	-27.3	-31.3	-18.3	-24.1
Feb 2	-26.1	-25.2	-24.8	-24.9	-24.4	-23.6	-22.2	-21.5	-21.8	-21.9	-21.1	-19.6	-17.7	-15.2	-13.9	-12.5	-12	-14.9	-16	-13.3	-11.3	-10.1	-9	-8.1	-26.1	-8.1	-18.0
Feb 3	-8.8	-5.1	-3.6	-3.9	-3.7	-3	-3.6	-3.8	-3.8	-3.9	-3.2	-1.7	-0.9	-0.1	0.8	0.9	-0.6	-2.8	-5.1	-6.3	-7.3	-8.7	-9.5	-10.3	-10.3	0.9	-4.1
Feb 4	-10.6	-10.7	-11.5	-12	-12.3	-12.4	-11.9	-11.7	-11.4	-10.4	-8.7	-5.8	-2.8	-0.3	0	-0.2	-1.7	-3.3	-4.4	-5.1	-4.5	-3.3	-1.6	-1	-12.4	0.0	-6.6
Feb 5	-0.7	-0.5	-0.4	0.4	-1	0.2	0.7	-0.4	-0.3	0.8	3.1	5.9	**6.5**	5.4	5.8	5.7	4.9	4.7	-0.6	-3.9	-4.7	-4.5	-4.5	-4.2	-4.7	**6.5**	**0.8**
Feb 6	-3.4	-3.3	-3.4	-3.4	-4.7	-5.2	-5.2	-4.6	-3.2	-2.7	-1.4	2	3.8	3.9	3.8	4.2	5	5	5.1	4.6	4.6	3.5	3.1	3.6	-5.2	5.1	0.5
Feb 7	3.4	2.7	1.1	-1.3	-1.8	-2.4	-2.9	-3.9	-4.4	-3.9	-1.8	-0.2	0.9	1.6	2	1.7	0.7	-2.2	-4.7	-5.8	-8	-9.1	-10.6	-10.7	-10.7	3.4	-2.5
Feb 8	-9.9	-10.9	-12.5	-13.6	-14.5	-12.1	-11	-10.4	-10.3	-9.1	-5.3	-2.5	-0.4	1.3	2	2.1	1.4	-0.4	-1.5	-1.5	-1.4	-2	-3	-3.5	-14.5	2.1	-5.4
Feb 9	-4.2	-5	-5.4	-5.9	-5.9	-5.1	-4.6	-4.7	-5.1	-3.5	-2.3	-1.1	-0.4	-0.2	0.9	1.7	1.8	0.7	-1.1	-0.9	-0.6	-1.1	-1.4	-1.4	-5.9	1.8	-2.3
Feb 10	-1.1	-0.6	-0.6	-0.2	0	0.5	0	0.5	1.3	0.8	0.9	1.6	1.7	0.9	1.7	2.6	2.6	2.3	2	1.8	1.5	-0.1	-2.7	-1.7	-2.7	2.6	0.7
Feb 11	-2	-2	-2.3	-2.7	-3.2	-3.2	-3.4	-3.6	-3	-0.7	0	0.3	1.6	3.5	3.9	4.7	4.2	3.5	2	0.6	0.4	0.2	0	-0.5	-3.6	4.7	-0.1
Feb 12	-1.7	-1.5	-2.2	-2.1	-2.1	-2.8	-3.8	-3.9	-3.4	-1.8	0.8	2.7	3.7	3.9	2.6	2.1	2.4	2.3	3.1	3.5	3.5	3.4	3.5	3.7	-3.9	3.9	0.7
Feb 13	3.6	3.1	3	2.7	2.1	1.7	0.7	-2.1	-3.4	-5.5	-7.3	-7.8	-8	-7.6	-7.5	-7.4	-8	-8.3	-9.1	-10	-10.9	-11.5	-11.2	-11.6	-11.6	3.6	-5.0
Feb 14	-12	-12.4	-13	-13.4	-14	-14.5	-14.7	-14.9	-15.6	-16.1	-16.2	-16.4	-16	-15.6	-15.2	-15.1	-14.8	-14.8	-15.1	-15.1	-14.9	-14.6	-14.4	-14.4	-16.4	-12.0	-14.7
Feb 15	-14.3	-14.2	-14.3	-14.4	-14.5	-14.4	-14.3	-14.6	-14.7	-14.5	-14	-12.8	-11.4	-9.5	-7.5	-6.4	-7.2	-8	-8.5	-8.9	-9.1	-8.9	-8.7	-7.5	-14.7	-6.4	-11.4
Feb 16	-7	-6.6	-6	-5.5	-4.5	-2.8	-2	-1.6	-1.5	-0.3	0.5	0.4	0.8	1.1	1.1	0.9	0.1	-0.7	-1.6	-2.2	-2.3	-2.9	-3.9	-6.3	-7.0	1.1	-2.2
Feb 17	-7.9	-8.3	-9.2	-9.6	-9.9	-10	-10.5	-11.1	-11.7	-12.1	-11.2	-10.1	-8.2	-6.9	-6.4	-6.2	-6.6	-8.2	-10.8	-12.6	-13.8	-12.8	-13	-13.7	-13.8	-6.2	-10.0
Feb 18	-14.2	-14.9	-15.7	-16.4	-16.4	-17	-18	-18.1	-18.3	-17.7	-16.5	-15.5	-14.4	-13.7	-13.4	-13.6	-13.9	-14.3	-14.7	-14.7	-15	-14.5	-14.3	-14.5	-18.3	-13.4	-15.4
Feb 19	-14.5	-14.9	-15	-14.3	-14.3	-14.3	-14.2	-14.5	-14.6	-13.8	-12.7	-11	-10.5	-8.8	-7.5	-8.8	-9.9	-11.4	-13.3	-14.4	-15.2	-15.4	-15.1	-15.4	-15.4	-7.5	-13.1
Feb 20	-15.7	-15.9	-16.3	-16.4	-16.4	-16.4	-16.2	-16.3	-16.8	-15.7	-14	-12.3	-11.4	-9.8	-9.1	-8.8	-9.9	-11.7	-14	-15.9	-17.2	-17.9	-18.7	-20.3	-20.3	-8.8	-14.7
Feb 21	-21.3	-22.4	-23.5	-25.1	-27.2	-29.2	-27.7	-26.8	-27	-25.1	-24	-23.3	-22.2	-21.4	-21.1	-21.2	-21.1	-22.4	-24.7	-26.1	-27.3	-28.7	-30.1	-31.7	-31.7	-21.1	-25.0
Feb 22	-33.2	-34.8	-35.8	-36.4	-37	-37.3	-37.8	**-38**	-36.8	-29.3	-23.3	-21.2	-18.9	-17.8	-17.2	-16.9	-17	-18	-21.3	-24.9	-27.8	-29.6	-30.5	-31.3	**-38.0**	-16.9	**-28.0**
Feb 23	-32	-33.1	-33.6	-33.8	-33.9	-34	-33.7	-34.5	-33.7	-28.6	-24.5	-20.8	-18.3	-16	-15.3	-15	-16.5	-17.9	-21.7	-25.1	-27.5	-29	-30.6	-31.3	-34.5	-15.0	-26.7
Feb 24	-31.8	-25.5	-24.8	-25	-25.9	-25.5	-25.9	-26.2	-25.7	-23.6	-22	-21.3	-20.9	-20.3	-19.3	-19.1	-19.1	-19.5	-19.2	-19.2	-18.7	-18	-17.3	-17	-31.8	-17.0	-22.1
Feb 25	-16.4	-15.9	-15.8	-16	-16.3	-16.7	-17.1	-17.3	-16.9	-14.8	-13.8	-12	-10.5	-8.9	-8.6	-7.9	-7.6	-7.9	-8.5	-9.4	-9.5	-10.4	-11.8	-11.8	-17.3	-7.6	-12.6
Feb 26	-11.6	-11.5	-11.5	-11.4	-11.8	-12.2	-11.7	-11.5	-11.2	-10.5	-9	-7.5	-6.3	-5.2	-6.2	-6.7	-7.3	-8	-8.8	-9	-9.1	-9.8	-10.4	-11.6	-12.2	-5.2	-9.6
Feb 27	-12.3	-12.5	-12.7	-12.8	-12.9	-13.6	-14.3	-16.6	-17.5	-14.4	-11.6	-10.8	-10	-8.9	-7.9	-7.9	-9	-9.4	-10.9	-14.2	-16.8	-18.2	-19.2	-16.9	-19.2	-7.9	-13.0
Feb 28	-14.4	-14.3	-14.2	-14.7	-16.1	-18.1	-18.4	-18.6	-17.5	-15.9	-13.7	-12.2	-11.7	-10.4	-10.5	-9.7	-10.6	-11.6	-12.4	-12.6	-13.3	-14.3	-14.3	-15.2	-18.6	-9.7	-13.9
Diurnal Maximum	3.6	3.1	3.0	2.7	2.1	1.7	0.7	0.5	1.3	0.8	3.1	5.9	6.5	5.4	5.8	5.7	5.0	5.0	5.1	4.6	4.6	3.5	3.5	3.7			
Diurnal Average	-12.1	-12.0	-12.3	-12.6	-13.0	-13.0	-13.1	-13.4	-13.3	-12.1	-10.6	-9.1	-8.0	-7.1	-6.6	-6.4	-7.0	-8.0	-9.5	-10.4	-11.0	-11.3	-11.7	-11.9			

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

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

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



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

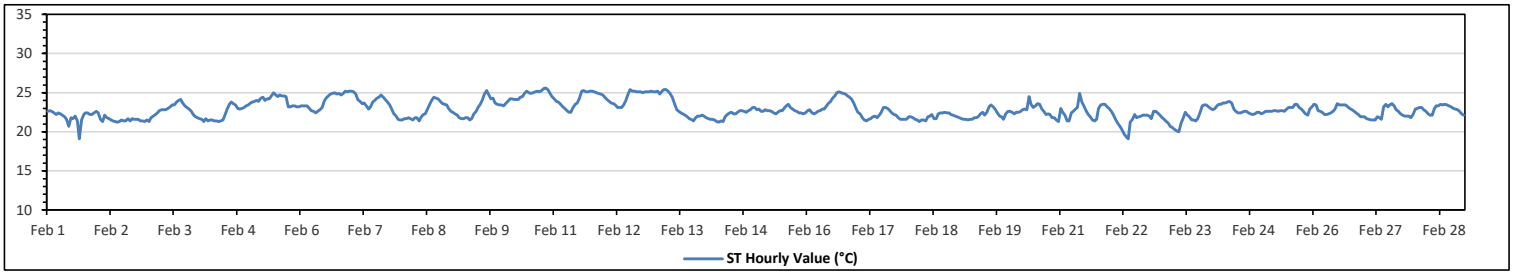
Maximum Hourly Value:	25.6	°C	on Feb 10 at hr 20	Hours in Service:	672	
Maximum Daily Value:	24.7	°C	on Feb 10	Hours of Data:	672	
Minimum Hourly Value:	19.1	°C	on Feb 1 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	21.5	°C	on Feb 2	Hours of Calibration:	0	
Monthly Average:	22.8	°C		Operational 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	22.6	22.7	22.6	22.4	22.2	22.4	22.3	22.1	21.9	21.6	20.7	21.8	21.7	22.0	21.4	**19.1**	21.5	22.2	22.4	22.4	22.2	22.2	22.4	22.6	**19.1**	22.7	22.0
Feb 2	22.4	21.6	21.3	22.1	21.8	21.7	21.5	21.4	21.3	21.2	21.3	21.5	21.4	21.4	21.7	21.4	21.7	21.6	21.6	21.6	21.4	21.4	21.3	21.5	21.2	22.4	**21.5**
Feb 3	21.3	21.8	22.0	22.2	22.4	22.7	22.8	22.8	22.8	23.0	23.2	23.4	23.4	23.8	24.0	24.1	23.7	23.3	23.1	22.9	22.6	22.2	21.9	21.8	21.3	24.1	22.8
Feb 4	21.7	21.6	21.3	21.7	21.4	21.5	21.5	21.4	21.4	21.3	21.4	21.5	22.1	22.9	23.5	23.8	23.6	23.4	23.0	22.9	23.0	23.1	23.3	23.4	21.3	23.8	22.3
Feb 5	23.7	23.8	23.9	24.0	23.9	24.3	24.4	24.0	24.2	24.2	24.6	25.0	24.7	24.5	24.7	24.6	24.6	24.5	23.2	23.2	23.3	23.3	23.2	23.2	23.2	25.0	24.0
Feb 6	23.3	23.3	23.3	23.3	23.0	22.7	22.6	22.4	22.6	22.8	23.1	23.9	24.3	24.6	24.8	24.9	25.0	24.8	24.9	24.7	24.9	25.2	25.1	25.2	22.4	25.2	23.9
Feb 7	25.2	25.1	24.8	24.1	23.9	23.6	23.7	23.3	22.9	23.2	23.8	24.0	24.3	24.4	24.7	24.4	24.1	23.8	23.4	22.9	22.3	22.0	21.6	21.5	21.5	25.2	23.6
Feb 8	21.5	21.7	21.7	21.8	21.7	21.5	21.8	21.8	21.4	21.9	22.2	22.3	22.9	23.5	24.0	24.4	24.3	24.2	23.9	23.6	23.5	23.4	23.0	22.6	21.4	24.4	22.7
Feb 9	22.5	22.3	22.1	21.8	21.7	21.7	21.8	21.8	21.5	21.7	22.3	22.6	23.1	23.5	24.1	24.8	25.3	24.7	24.2	24.3	23.7	23.5	23.4	23.4	21.5	25.3	23.0
Feb 10	23.3	23.6	23.9	24.2	24.2	24.1	24.1	24.1	24.4	24.5	24.9	25.2	25.0	24.9	25.0	25.1	25.2	25.1	25.3	25.5	**25.6**	25.4	24.9	24.5	23.3	**25.6**	**24.7**
Feb 11	24.2	23.9	23.8	23.5	23.2	23.0	22.7	22.5	22.5	23.1	23.5	23.7	24.3	25.2	25.3	25.1	25.1	25.2	25.2	25.1	25.0	24.9	24.8	24.7	22.5	25.3	24.1
Feb 12	24.4	24.1	23.9	23.7	23.6	23.4	23.1	23.1	23.1	23.4	24.0	24.8	25.4	25.2	25.2	25.1	25.1	25.1	25.0	25.1	25.1	25.1	25.2	25.1	23.1	25.4	24.4
Feb 13	25.1	25.2	24.8	25.2	25.4	25.4	25.2	24.8	24.4	23.6	22.8	22.6	22.4	22.3	22.1	21.9	21.7	21.6	21.4	21.8	22.0	22.0	22.1	22.0	21.4	25.4	23.2
Feb 14	21.8	21.7	21.6	21.6	21.5	21.3	21.2	21.4	21.3	21.9	22.2	22.4	22.5	22.3	22.3	22.5	22.7	22.7	22.6	22.5	22.7	22.8	23.1	23.1	21.2	23.1	22.2
Feb 15	22.8	22.9	22.6	22.6	22.8	22.7	22.7	22.6	22.4	22.3	22.5	22.7	22.7	23.0	23.3	23.5	23.1	22.9	22.7	22.6	22.4	22.4	22.3	22.4	22.3	23.5	22.7
Feb 16	22.7	22.8	22.5	22.3	22.4	22.6	22.7	22.9	22.9	23.3	23.7	23.9	24.3	24.6	25.0	25.1	25.0	24.9	24.8	24.6	24.4	24.1	23.6	23.0	22.3	25.1	23.7
Feb 17	22.5	22.3	21.8	21.5	21.4	21.6	21.7	21.9	22.0	21.8	22.1	22.5	23.1	23.1	23.0	22.7	22.4	22.2	22.1	21.8	21.6	21.6	21.6	21.6	21.4	23.1	22.1
Feb 18	21.9	21.9	21.8	21.6	21.5	21.3	21.5	21.5	21.4	21.9	22.0	22.2	21.7	21.7	22.3	22.4	22.4	22.5	22.4	22.4	22.2	22.1	22.0	21.9	21.3	22.5	21.9
Feb 19	21.8	21.7	21.6	21.6	21.5	21.6	21.6	21.8	21.8	21.9	22.3	22.5	22.1	22.5	23.2	23.4	23.2	22.8	22.4	22.0	21.9	21.6	22.3	22.6	21.5	23.4	22.2
Feb 20	22.6	22.5	22.3	22.5	22.5	22.6	22.8	22.9	22.8	24.5	23.5	23.1	23.3	23.6	23.5	22.9	22.6	22.2	22.3	22.2	21.8	21.8	21.5	21.3	21.3	24.5	22.7
Feb 21	23.0	22.5	22.1	21.4	21.4	22.4	22.6	22.9	23.1	24.9	23.8	23.3	22.7	22.2	21.9	21.5	21.4	21.6	23.0	23.4	23.5	23.5	23.2	23.0	21.4	24.9	22.7
Feb 22	22.6	22.1	21.6	21.1	20.7	20.3	19.8	19.4	**19.1**	21.2	21.6	22.2	21.8	21.9	22.0	22.1	22.1	22.1	22.0	21.7	22.6	22.6	22.4	22.1	**19.1**	22.6	21.5
Feb 23	21.8	21.6	21.3	21.1	20.7	20.5	20.3	20.1	20.0	21.1	21.7	22.5	22.1	21.9	21.5	21.5	21.4	21.7	22.4	23.3	23.4	23.4	23.2	23.0	20.0	23.4	21.7
Feb 24	22.8	23.0	23.3	23.5	23.5	23.7	23.7	23.8	23.9	23.7	22.9	22.6	22.4	22.4	22.5	22.6	22.6	22.4	22.3	22.2	22.3	22.5	22.5	22.3	22.2	23.9	22.9
Feb 25	22.4	22.6	22.6	22.6	22.6	22.7	22.7	22.6	22.7	22.7	22.6	22.9	23.1	23.1	23.1	23.5	23.5	23.1	22.9	22.6	22.3	22.1	22.9	23.2	22.1	23.5	22.8
Feb 26	23.5	23.4	22.7	22.6	22.5	22.2	22.2	22.3	22.4	22.6	22.9	23.6	23.4	23.4	23.4	23.4	23.2	23.0	22.8	22.6	22.4	22.2	21.9	21.9	21.9	23.6	22.8
Feb 27	21.9	21.7	21.6	21.5	21.5	21.5	21.9	21.8	21.6	23.2	23.5	23.2	23.4	23.6	23.3	22.8	22.6	22.3	22.1	22.0	22.0	22.0	21.8	22.2	21.5	23.6	22.3
Feb 28	22.9	23.0	23.1	23.1	22.8	22.6	22.3	22.1	22.1	22.9	23.3	23.3	23.5	23.4	23.5	23.4	23.3	23.2	23.0	22.9	22.8	22.6	22.3	22.1	22.1	23.5	22.9
Diurnal Maximum	25.2	25.2	24.8	25.2	25.4	25.4	25.2	24.8	24.4	24.9	24.9	25.2	25.4	25.2	25.3	25.1	25.3	25.2	25.3	25.5	25.6	25.4	25.2	25.2			
Diurnal Average	22.8	22.7	22.6	22.5	22.4	22.4	22.4	22.3	22.3	22.7	22.8	23.0	23.1	23.2	23.4	23.3	23.3	23.2	23.1	23.0	23.0	22.9	22.8	22.8			

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

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

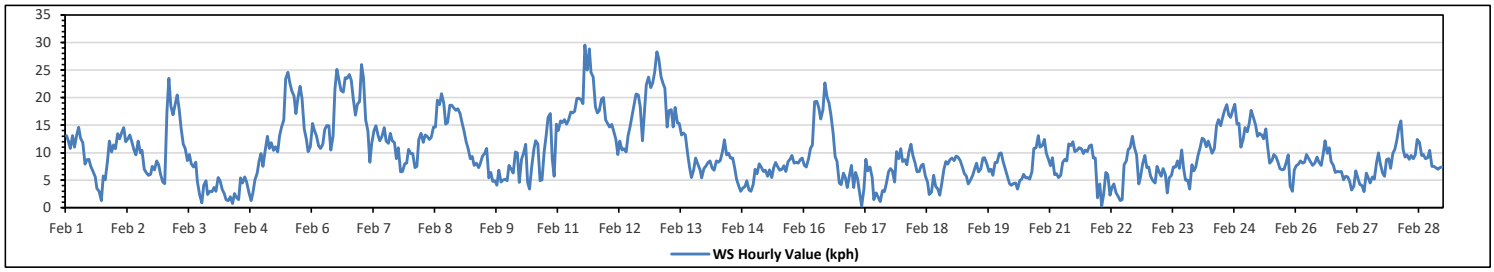
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	29.5	kph	on Feb 11 at hr 13	Hours in Service:	672	
Maximum Daily Value:	19.3	kph	on Feb 11	Hours of Data:	672	
Minimum Hourly Value:	0.3	kph	on Feb 17 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	3.8	kph	on Feb 4	Hours of Calibration:	0	
Monthly Average:	2.9	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	13.1	12.1	10.8	13.1	11.0	13.2	14.6	12.6	11.8	7.9	8.7	8.8	7.5	6.6	5.6	3.5	3.0	1.3	5.8	5.1	8.4	12.1	10.1	11.4	1.3	14.6	9.1
Feb 2	10.7	13.4	12.5	13.7	14.5	12.0	12.5	13.2	11.8	10.5	9.6	12.1	10.0	10.4	7.0	6.4	5.9	6.1	7.5	6.9	8.5	7.8	6.1	4.7	4.7	14.5	9.7
Feb 3	4.4	17.5	23.5	18.5	16.9	18.6	20.5	18.0	14.5	11.5	10.8	8.6	9.7	8.0	7.4	8.3	4.8	2.4	0.9	4.1	4.9	2.4	3.0	2.9	0.9	23.5	10.1
Feb 4	3.7	3.0	5.5	4.9	3.3	2.6	1.4	1.3	2.0	0.8	2.6	1.9	1.5	5.4	4.5	5.6	4.7	2.8	1.3	2.5	5.1	6.3	8.5	9.8	0.8	9.8	**3.8**
Feb 5	7.5	10.4	13.0	10.8	11.8	10.4	11.1	10.1	13.1	14.6	15.9	23.4	24.6	22.7	21.2	20.3	17.1	19.8	22.0	19.9	14.3	12.3	10.2	11.1	7.5	24.6	15.3
Feb 6	15.3	14.0	13.1	11.2	10.8	11.5	14.2	14.9	14.9	10.5	13.0	21.6	25.1	23.0	21.3	21.0	23.6	23.5	24.2	23.1	19.9	16.8	18.8	19.3	10.5	25.1	17.7
Feb 7	26.0	23.6	15.9	13.9	8.3	11.7	14.0	14.9	13.1	12.2	13.0	14.5	12.1	11.7	13.5	12.2	11.8	8.9	10.9	6.5	6.6	8.0	8.1	10.6	6.5	26.0	12.6
Feb 8	9.8	9.8	7.3	7.5	12.4	13.5	11.9	13.2	13.0	12.4	12.8	14.7	14.7	19.5	18.7	20.7	19.0	15.2	15.5	18.6	18.6	18.1	17.7	18.0	7.3	20.7	14.7
Feb 9	17.1	15.5	14.0	12.0	10.8	8.9	9.3	7.7	8.1	7.3	8.0	9.4	9.9	10.8	5.4	6.4	4.8	4.9	4.1	6.8	4.7	5.0	5.2	4.9	4.1	17.1	8.4
Feb 10	7.7	7.0	6.3	10.1	10.0	4.6	8.8	9.8	11.5	4.6	3.4	7.5	10.8	12.2	11.6	4.9	5.1	10.3	13.1	16.4	17.1	8.9	5.7	15.2	3.4	17.1	9.3
Feb 11	14.0	15.8	15.5	16.0	15.2	15.9	17.4	17.2	17.5	19.8	19.9	19.6	18.9	**29.5**	25.0	28.8	24.6	23.7	18.3	17.2	17.6	19.7	20.0	15.9	14.0	**29.5**	**19.3**
Feb 12	15.3	14.7	15.1	13.9	12.4	9.7	12.1	10.5	10.7	10.1	13.1	14.7	16.9	18.8	20.6	20.5	18.3	12.2	18.1	22.3	23.7	21.8	22.7	24.6	9.7	24.6	16.4
Feb 13	28.3	27.0	23.8	22.6	21.7	14.7	17.6	17.8	14.7	18.2	15.4	15.3	13.2	13.6	13.2	9.8	7.4	5.5	6.9	9.0	7.9	6.9	5.4	7.1	5.4	28.3	14.3
Feb 14	7.6	8.2	8.5	7.2	6.8	8.5	8.3	8.6	10.2	12.3	9.6	9.9	9.0	9.0	7.3	5.2	3.9	3.0	3.6	3.8	4.9	3.2	3.0	4.2	3.0	12.3	6.9
Feb 15	7.0	6.2	8.0	7.3	6.6	6.8	5.7	6.9	5.5	7.3	8.2	7.4	6.8	7.0	7.6	6.6	8.4	8.8	9.5	8.1	8.3	8.1	8.7	9.0	5.5	9.5	7.5
Feb 16	7.7	7.4	8.9	10.8	11.4	19.2	19.3	18.1	16.1	17.8	22.7	20.0	19.0	16.8	13.4	9.3	8.4	4.5	4.2	6.3	5.5	3.7	5.9	7.7	3.7	22.7	11.8
Feb 17	3.7	6.4	5.3	2.5	**0.3**	3.4	8.8	6.7	7.4	5.4	1.5	2.7	1.9	1.1	3.1	2.9	4.4	6.5	7.1	6.7	4.7	10.2	8.9	10.7	**0.3**	10.7	5.1
Feb 18	8.4	8.7	7.8	10.2	11.5	9.5	8.1	6.5	6.6	7.6	7.9	5.8	4.6	2.4	2.8	5.9	3.9	3.4	2.3	4.3	7.0	8.4	7.9	8.7	2.3	11.5	6.7
Feb 19	9.0	8.6	9.4	9.2	8.6	7.5	6.2	5.8	4.3	5.0	5.9	6.9	8.1	6.5	7.0	9.0	9.1	8.0	6.6	7.0	5.9	8.2	8.2	9.8	4.3	9.8	7.5
Feb 20	10.0	8.4	7.0	5.8	4.4	4.1	4.4	4.5	3.4	4.9	5.2	6.1	5.4	5.5	5.2	6.5	10.8	10.9	13.1	11.0	11.2	12.4	9.9	8.9	3.4	13.1	7.5
Feb 21	7.6	9.1	6.0	6.2	5.5	5.9	8.2	8.8	8.5	11.6	11.3	12.0	10.2	10.4	10.9	10.8	9.8	10.5	10.2	11.2	11.4	9.0	9.0	1.8	1.8	12.0	9.0
Feb 22	4.3	**0.3**	2.4	6.4	6.0	2.3	3.7	4.3	2.7	2.1	1.3	1.5	7.8	8.5	10.6	10.9	13.0	11.0	9.6	4.3	5.5	8.0	9.5	7.3	**0.3**	13.0	6.0
Feb 23	7.4	5.7	4.9	4.5	7.5	6.6	5.7	7.1	6.1	2.7	5.4	5.9	7.4	7.4	8.5	7.2	10.5	7.2	5.0	5.0	3.4	7.8	6.7	7.4	2.7	10.5	6.4
Feb 24	9.5	11.0	12.6	12.4	11.1	12.1	10.9	9.9	10.7	14.9	16.0	14.9	16.4	17.7	18.7	16.9	16.4	17.8	18.8	15.2	15.3	11.0	12.4	14.5	9.5	18.8	14.0
Feb 25	13.8	15.3	17.7	16.4	15.0	13.0	13.5	13.2	12.5	14.3	11.4	8.1	8.6	9.7	9.2	8.3	7.1	6.9	7.0	8.1	9.6	3.9	3.0	6.9	3.0	17.7	10.5
Feb 26	7.6	7.9	8.5	8.1	8.3	9.7	8.9	8.2	7.7	8.1	9.2	8.3	7.7	9.7	12.2	9.9	10.9	8.4	7.7	6.4	6.6	6.5	6.6	5.1	5.1	12.2	8.3
Feb 27	5.7	5.6	4.8	3.2	3.9	6.7	5.3	4.2	4.1	2.9	6.3	5.6	4.5	5.6	5.2	8.2	10.0	7.9	6.3	5.7	8.7	8.9	7.2	9.9	2.9	10.0	6.1
Feb 28	10.6	12.2	14.7	15.8	10.6	9.2	9.6	8.8	9.5	8.9	9.6	12.4	11.9	9.5	9.7	8.9	9.1	10.4	7.5	7.5	7.3	7.0	7.3	7.4	7.0	15.8	9.8
Diurnal Maximum	28.3	27.0	23.8	22.6	21.7	19.2	20.5	18.1	17.5	19.8	22.7	23.4	25.1	29.5	25.0	28.8	24.6	23.7	24.2	23.1	23.7	21.8	22.7	24.6			
Diurnal Average	10.5	10.9	10.8	10.5	9.9	9.7	10.4	10.1	9.7	9.5	9.9	10.7	10.9	11.4	10.9	10.5	10.2	9.4	9.5	9.6	9.7	9.4	9.1	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.

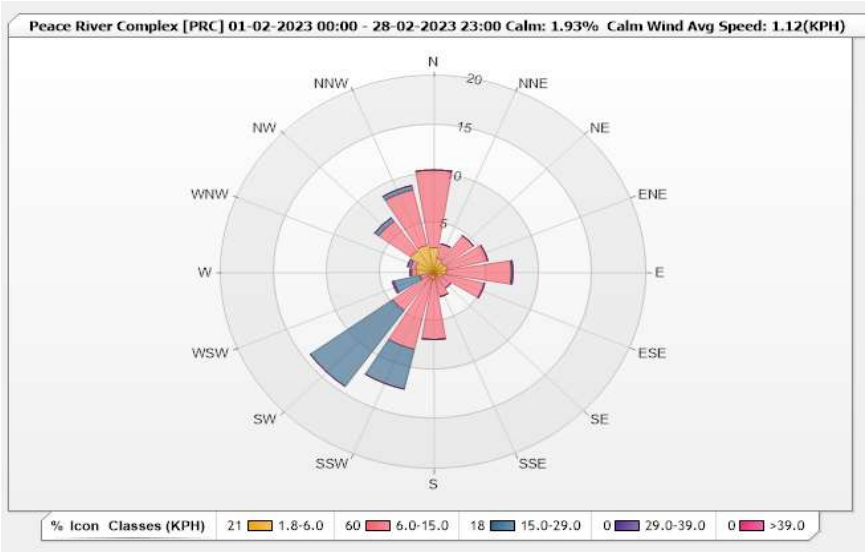


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 02-2023

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

Calm (WS<1.8kph): 1.93% 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	2.53	7.89	0	0	0	10.42
NNE	1.49	1.49	0	0	0	2.98
NE	1.19	3.42	0	0	0	4.61
ENE	1.34	3.87	0	0	0	5.21
E	1.19	6.1	0.15	0	0	7.44
ESE	0.89	4.02	0	0	0	4.91
SE	0.3	1.64	0	0	0	1.94
SSE	0.45	2.08	0	0	0	2.53
S	0.74	6.1	0	0	0	6.84
SSW	0.74	7.29	4.17	0	0	12.2
SW	0.6	4.17	9.52	0	0	14.29
WSW	0.3	1.04	2.53	0.15	0	4.02
W	1.64	0.45	0.15	0	0	2.24
WNW	1.79	0.45	0.3	0	0	2.54
NW	2.68	3.72	0.45	0	0	6.85
NNW	2.83	5.8	0.45	0	0	9.08
Summary	20.7	59.53	17.72	0.15	0	98.1



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - February 2023

Summary of Hourly Averages

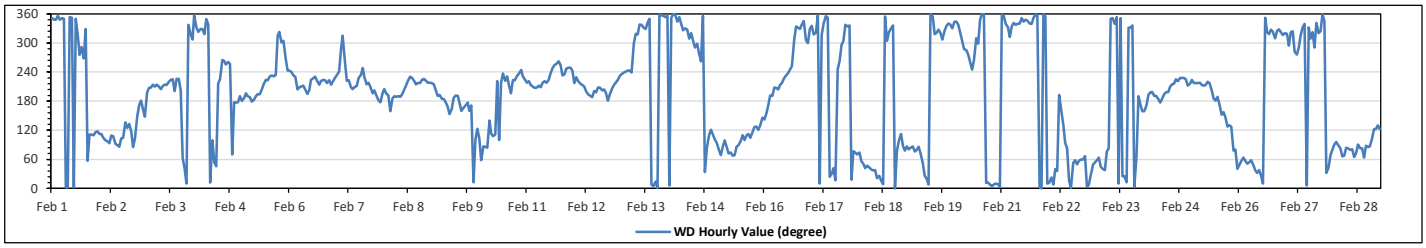
WIND DIRECTION (VWD) in sector

Monthly Average:	225 (SW)	degree	
		Hours in Service:	672
		Hours of Data:	672
		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	N	NNW	NNW	N	NNW	N	N	N	N	N	N	N	N	NW	W	WNW	W	NNW	ENE	ESE	ESE	ESE	ESE	ESE	6	N
Feb 2	ESE	ESE	ESE	E	E	E	ESE	ESE	E	E	E	ESE	ESE	SE	SE	SE	ESE	E	ESE	SE	S	S	SSE	SE	113	ESE
Feb 3	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SSW	ENE	NE	N	NNW	NW	NW	214	SSW
Feb 4	N	NNW	NW	NNW	NNW	NW	NNW	NNW	NNE	E	NE	NE	SW	SW	W	W	WSW	W	WSW	ENE	S	S	S	S	252	WSW
Feb 5	S	S	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	NW	NW	WNW	WNW	W	WSW	227	SW
Feb 6	WSW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SSW	SW	SW	221	SW
Feb 7	SW	WSW	WNW	NW	W	SW	SW	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	SSW	SW	SSW	SSW	SSW	S	S	S	SSW	225	SW
Feb 8	SSW	SSW	S	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	211	SSW
Feb 9	SW	SSW	SSW	S	S	S	S	S	SSE	SSE	SSE	S	S	S	S	SSE	SSE	S	S	SSE	S	NNE	E	ESE	183	S
Feb 10	ESE	ENE	E	E	E	SE	ESE	ESE	ESE	SW	E	SW	SW	SW	SW	SSW	SSW	SW	SW	SW	SW	WSW	SW	SW	196	SSW
Feb 11	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	W	WSW	SW	SW	WSW	WSW	WSW	WSW	234	SW
Feb 12	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SW	SW	SW	209	SSW
Feb 13	SW	WSW	WSW	WSW	WSW	WSW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	N	N	N	N	N	N	300	WNW
Feb 14	N	N	N	N	NNW	N	NNW	NW	NNW	NW	NW	NW	WNW	WNW	WNW	W	W	N	NE	E	ESE	ESE	ESE	E	336	NNW
Feb 15	E	ENE	ENE	E	E	E	ENE	ENE	ENE	ENE	E	E	E	ESE	E	ESE	ESE	ESE	ESE	SE	SE	ESE	SE	SE	101	E
Feb 16	SE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	NW	NNW	NNW	NNW	NNW	NNW	NW	WNW	NNW	229	SW
Feb 17	NNW	NW	NW	N	N	NW	NNW	N	N	NNE	NNE	NE	NNE	WSW	W	WNW	WNW	NNW	NNW	NNW	NNE	ENE	ENE	ENE	0	N
Feb 18	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	WNW	NW	NNW	NNW	N	ENE	E	ESE	E	ENE	45	NE
Feb 19	E	E	E	E	ENE	ENE	E	ENE	NE	NNE	NNE	N	N	N	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	15	NNE
Feb 20	NNW	NNW	NNW	NW	WNW	WNW	WNW	W	WSW	WSW	W	NW	WNW	NNW	N	N	NNE	NNE	N	N	N	N	N	N	345	NNW
Feb 21	N	N	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	348	NNW
Feb 22	NNE	NNE	N	NE	NE	S	SSE	SE	E	E	NNE	N	NE	ENE	NE	ENE	ENE	ENE	ENE	N	N	NNE	NE	NE	52	NE
Feb 23	ENE	ENE	NE	NE	NE	ENE	E	N	N	NNW	N	N	N	NNE	NNE	NNE	NNW	NNW	NNW	N	ENE	S	S	SSE	22	NNE
Feb 24	SSE	S	S	SSW	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	205	SSW
Feb 25	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SSW	S	S	S	S	SSE	SSE	SE	SE	SE	SE	ENE	E	NE	195	SSW
Feb 26	NE	NE	ENE	ENE	NE	NE	ENE	NE	NE	NNE	NE	NNE	N	N	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	9	N
Feb 27	NW	WNW	NW	NW	W	W	WNW	NW	NNW	NNW	N	NNW	NW	NW	WNW	NNW	NW	NW	N	NNW	NNE	NE	ENE	ENE	339	NNW
Feb 28	E	E	E	E	ENE	ENE	E	E	ENE	E	ENE	ENE	E	E	E	ENE	E	E	E	ESE	ESE	ESE	SE	ESE	87	E

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 2023

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	29.5	kph	on Feb 11 at hr 13	Hours in Service:	672
Maximum Daily Value:	19.3	kph	on Feb 11	Hours of Data:	672
Minimum Hourly Value:	0.3	kph	on Feb 17 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	3.8	kph	on Feb 4	Hours of Calibration:	0
Monthly Average:	2.9	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 225 degree (SW)

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	13.1	12.1	10.8	13.1	11.0	13.2	14.6	12.6	11.8	7.9	8.7	8.8	7.5	6.6	5.6	3.5	3.0	1.3	5.8	5.1	8.4	12.1	10.1	11.4	1.3	14.6	9.1
	N	NNW	NNW	N	NNW	N	N	N	N	N	N	N	N	NW	W	WNW	W	NNW	ENE	ESE	ESE	ESE	ESE	ESE			
Feb 2	10.7	13.4	12.5	13.7	14.5	12.0	12.5	13.2	11.8	10.5	9.6	12.1	10.0	10.4	7.0	6.4	5.9	6.1	7.5	6.9	8.5	7.8	6.1	4.7	4.7	14.5	9.7
	ESE	ESE	ESE	E	E	E	ESE	ESE	E	E	E	ESE	ESE	SE	SE	SE	ESE	E	ESE	SE	S	S	SSE	SE			
Feb 3	4.4	17.5	23.5	18.5	16.9	18.6	20.5	18.0	14.5	11.5	10.8	8.6	9.7	8.0	7.4	8.3	4.8	2.4	0.9	4.1	4.9	2.4	3.0	2.9	0.9	23.5	10.1
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SSW	ENE	NE	N	NNW	NW	NW			
Feb 4	3.7	3.0	5.5	4.9	3.3	2.6	1.4	1.3	2.0	0.8	2.6	1.9	1.5	5.4	4.5	5.6	4.7	2.8	1.3	2.5	5.1	6.3	8.5	9.8	0.8	9.8	**3.8**
	N	NNW	NW	NNW	NNW	NW	NNW	NNW	NNE	E	NE	NE	SW	SW	W	W	WSW	W	WSW	ENE	S	S	S	S			
Feb 5	7.5	10.4	13.0	10.8	11.8	10.4	11.1	10.1	13.1	14.6	15.9	23.4	24.6	22.7	21.2	20.3	17.1	19.8	22.0	19.9	14.3	12.3	10.2	11.1	7.5	24.6	15.3
	S	S	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	NW	NW	WNW	WNW	W	WSW			
Feb 6	15.3	14.0	13.1	11.2	10.8	11.5	14.2	14.9	14.9	10.5	13.0	21.6	25.1	23.0	21.3	21.0	23.6	23.5	24.2	23.1	19.9	16.8	18.8	19.3	10.5	25.1	17.7
	WSW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SSW	SW	SW			
Feb 7	26.0	23.6	15.9	13.9	8.3	11.7	14.0	14.9	13.1	12.2	13.0	14.5	12.1	11.7	13.5	12.2	11.8	8.9	10.9	6.5	6.6	8.0	8.1	10.6	6.5	26.0	12.6
	SW	WSW	WNW	NW	W	SW	SW	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	SSW	SW	SSW	SSW	SSW	S	S	S	SSW			
Feb 8	9.8	9.8	7.3	7.5	12.4	13.5	11.9	13.2	13.0	12.4	12.8	14.7	14.7	19.5	18.7	20.7	19.0	15.2	15.5	18.6	18.6	18.1	17.7	18.0	7.3	20.7	14.7
	SSW	SSW	S	SSE	S	S	S	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW			
Feb 9	17.1	15.5	14.0	12.0	10.8	8.9	9.3	7.7	8.1	7.3	8.0	9.4	9.9	10.8	5.4	6.4	4.8	4.9	4.1	6.8	4.7	5.0	5.2	4.9	4.1	17.1	8.4
	SW	SSW	SSW	S	S	S	S	S	SSE	SSE	SSE	S	S	S	S	SSE	SSE	S	S	SSE	S	NNE	E	ESE			
Feb 10	7.7	7.0	6.3	10.1	10.0	4.6	8.8	9.8	11.5	4.6	3.4	7.5	10.8	12.2	11.6	4.9	5.1	10.3	13.1	16.4	17.1	8.9	5.7	15.2	3.4	17.1	9.3
	ESE	ENE	E	E	E	SE	ESE	ESE	ESE	SW	E	SW	SW	SW	SW	SSW	SSW	SW	SW	SW	SW	WSW	SW	SW			
Feb 11	14.0	15.8	15.5	16.0	15.2	15.9	17.4	17.2	17.5	19.8	19.9	19.6	18.9	**29.5**	25.0	28.8	24.6	23.7	18.3	17.2	17.6	19.7	20.0	15.9	14.0	**29.5**	**19.3**
	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	W	WSW	SW	SW	WSW	WSW	WSW	WSW			
Feb 12	15.3	14.7	15.1	13.9	12.4	9.7	12.1	10.5	10.7	10.1	13.1	14.7	16.9	18.8	20.6	20.5	18.3	12.2	18.1	22.3	23.7	21.8	22.7	24.6	9.7	24.6	16.4
	SW	SW	SW	SW	SSW	SSW	SSW	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SW	SW	SW			
Feb 13	28.3	27.0	23.8	22.6	21.7	14.7	17.6	17.8	14.7	18.2	15.4	15.3	13.2	13.6	13.2	9.8	7.4	5.5	6.9	9.0	7.9	6.9	5.4	7.1	5.4	28.3	14.3
	SW	WSW	WSW	WSW	WSW	WSW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	N	N	N	N	N	N			
Feb 14	7.6	8.2	8.5	7.2	6.8	8.5	8.3	8.6	10.2	12.3	9.6	9.9	9.0	9.0	7.3	5.2	3.9	3.0	3.6	3.8	4.9	3.2	3.0	4.2	3.0	12.3	6.9
	N	N	N	N	NNW	N	NNW	NW	NNW	NW	NW	NW	WNW	WNW	WNW	W	W	N	NE	E	ESE	ESE	ESE	E			
Feb 15	7.0	6.2	8.0	7.3	6.6	6.8	5.7	6.9	5.5	7.3	8.2	7.4	6.8	7.0	7.6	6.6	8.4	8.8	9.5	8.1	8.3	8.1	8.7	9.0	5.5	9.5	7.5
	E	ENE	ENE	E	E	E	ENE	ENE	ENE	ENE	E	E	E	ESE	E	ESE	ESE	ESE	ESE	SE	SE	ESE	SE	SE			
Feb 16	7.7	7.4	8.9	10.8	11.4	19.2	19.3	18.1	16.1	17.8	22.7	20.0	19.0	16.8	13.4	9.3	8.4	4.5	4.2	6.3	5.5	3.7	5.9	7.7	3.7	22.7	11.8
	SE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	NW	NNW	NNW	NNW	NNW	NNW	NW	WNW	NNW			
Feb 17	3.7	6.4	5.3	2.5	**0.3**	3.4	8.8	6.7	7.4	5.4	1.5	2.7	1.9	1.1	3.1	2.9	4.4	6.5	7.1	6.7	4.7	10.2	8.9	10.7	**0.3**	10.7	5.1
	NNW	NW	NW	N	N	NW	NNW	N	N	NNE	NNE	NE	NNE	WSW	W	WNW	WNW	NNW	NNW	NNW	NNE	ENE	ENE	ENE			
Feb 18	8.4	8.7	7.8	10.2	11.5	9.5	8.1	6.5	6.6	7.6	7.9	5.8	4.6	2.4	2.8	5.9	3.9	3.4	2.3	4.3	7.0	8.4	7.9	8.7	2.3	11.5	6.7
	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	WNW	NW	NNW	NNW	N	ENE	E	ESE	E	ENE			
Feb 19	9.0	8.6	9.4	9.2	8.6	7.5	6.2	5.8	4.3	5.0	5.9	6.9	8.1	6.5	7.0	9.0	9.1	8.0	6.6	7.0	5.9	8.2	8.2	9.8	4.3	9.8	7.5
	E	E	E	E	ENE	ENE	E	ENE	NE	NNE	NNE	N	N	N	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW			
Feb 20	10.0	8.4	7.0	5.8	4.4	4.1	4.4	4.5	3.4	4.9	5.2	6.1	5.4	5.5	5.2	6.5	10.8	10.9	13.1	11.0	11.2	12.4	9.9	8.9	3.4	13.1	7.5
	NNW	NNW	NNW	NW	WNW	WNW	WNW	W	WSW	WSW	W	NW	WNW	NNW	N	N	NNE	NNE	N	N	N	N	N	N			
Feb 21	7.6	9.1	6.0	6.2	5.5	5.9	8.2	8.8	8.5	11.6	11.3	12.0	10.2	10.4	10.9	10.8	9.8	10.5	10.2	11.2	11.4	9.0	9.0	1.8	1.8	12.0	9.0
	N	N	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N			
Feb 22	4.3	**0.3**	2.4	6.4	6.0	2.3	3.7	4.3	2.7	2.1	1.3	1.5	7.8	8.5	10.6	10.9	13.0	11.0	9.6	4.3	5.5	8.0	9.5	7.3	**0.3**	13.0	6.0
	NNE	NNE	N	NE	NE	S	SSE	SE	E	E	NNE	N	NE	ENE	NE	ENE	ENE	ENE	ENE	N	N	NNE	NE	NE			
Feb 23	7.4	5.7	4.9	4.5	7.5	6.6	5.7	7.1	6.1	2.7	5.4	5.9	7.4	7.4	8.5	7.2	10.5	7.2	5.0	5.0	3.4	7.8	6.7	7.4	2.7	10.5	6.4
	ENE	ENE	NE	NE	NE	ENE	E	N	N	NNW	N	N	N	NNE	NNE	NNE	NNW	NNW	NNW	N	ENE	S	S	SSE			
Feb 24	9.5	11.0	12.6	12.4	11.1	12.1	10.9	9.9	10.7	14.9	16.0	14.9	16.4	17.7	18.7	16.9	16.4	17.8	18.8	15.2	15.3	11.0	12.4	14.5	9.5	18.8	14.0
	SSE	S	S	SSW	SSW	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW			
Feb 25	13.8	15.3	17.7	16.4	15.0	13.0	13.5	13.2	12.5	14.3	11.4	8.1	8.6	9.7	9.2	8.3	7.1	6.9	7.0	8.1	9.6	3.9	3.0	6.9	3.0	17.7	10.5
	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	SSW	S	S	S	S	SSE	SSE	SE	SE	SE	SE	ENE	E	NE			
Feb 26	7.6	7.9	8.5	8.1	8.3	9.7	8.9	8.2	7.7	8.1	9.2	8.3	7.7	9.7	12.2	9.9	10.9	8.4	7.7	6.4	6.6	6.5	6.6	5.1	5.1	12.2	8.3
	NE	NE	ENE	ENE	NE	NE	ENE	NE	NE	NNE	NE	NNE	N	N	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW			
Feb 27	5.7	5.6	4.8	3.2	3.9	6.7	5.3	4.2	4.1	2.9	6.3	5.6	4.5	5.6	5.2	8.2	10.0	7.9	6.3	5.7	8.7	8.9	7.2	9.9	2.9	10.0	6.1
	NW	WNW	NW	NW	W	W	WNW	NW	NNW	NNW	N	NNW	NW	NW	WNW	NNW	NW	NW	N	NNW	NNE	NE	ENE	ENE			
Feb 28	10.6	12.2	14.7	15.8	10.6	9.2	9.6	8.8	9.5	8.9	9.6	12.4	11.9	9.5	9.7	8.9	9.1	10.4	7.5	7.5	7.3	7.0	7.3	7.4	7.0	15.8	9.8
	E	E	E	E	ENE	ENE	E	E	ENE	E	ENE	ENE	E	E	E	ENE	E	E	E	ESE	ESE	ESE	SE	ESE			

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.

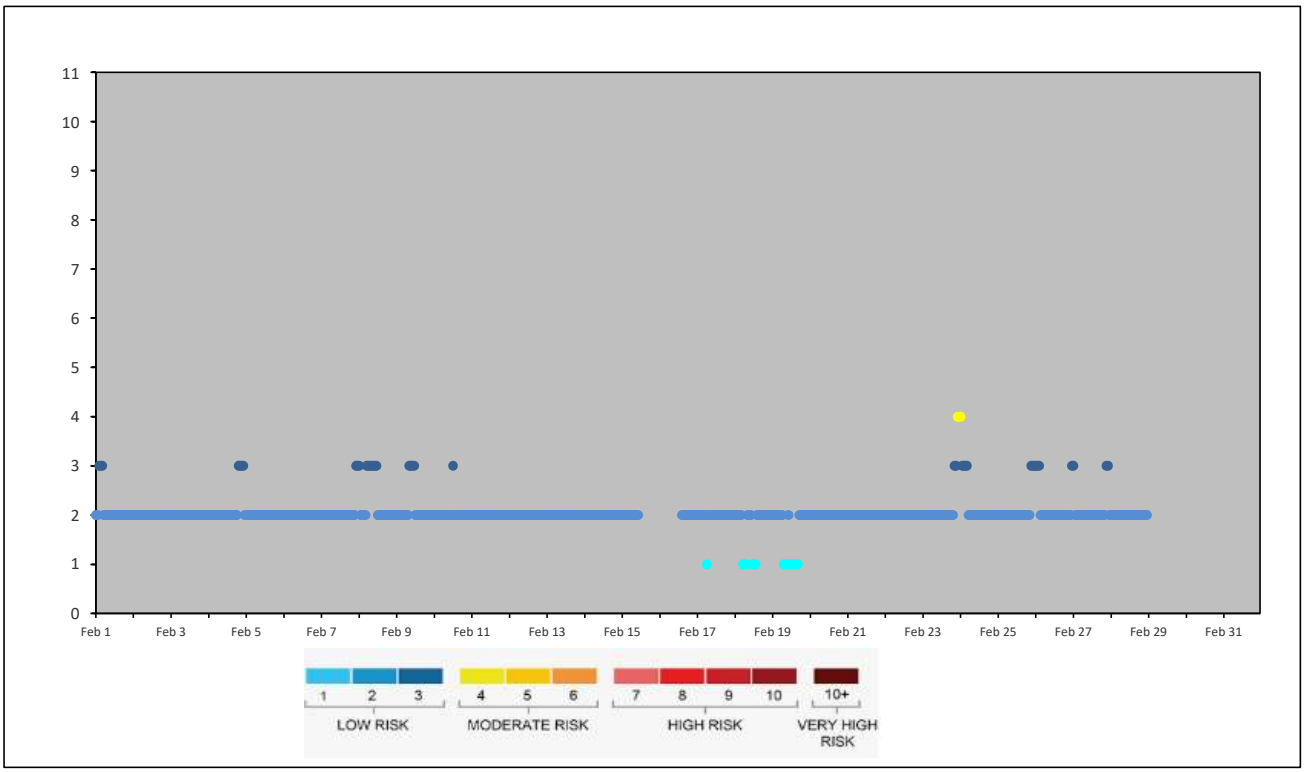
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - February 2023

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	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 2	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 3	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 4	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 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	2	2	2	2	2	2	2	2	2	2	2	2	3	3
Feb 8	3	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
Feb 9	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
Feb 10	2	2	2	2	2	2	2	2	2	2	2	2	3	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	2	2	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	2	2	2	2	2
Feb 14	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 15	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2
Feb 17	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 18	2	2	2	2	2	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2
Feb 19	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2
Feb 20	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 21	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 22	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 23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4
Feb 24	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Feb 25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
Feb 26	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Feb 27	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	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



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

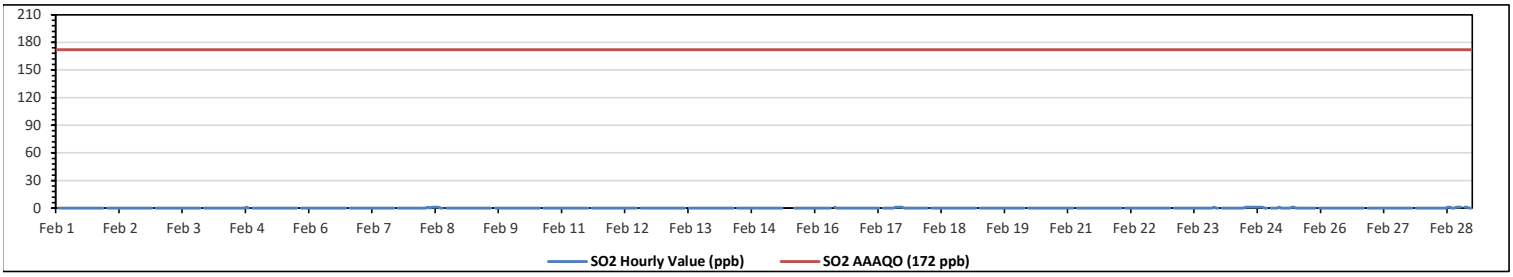
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

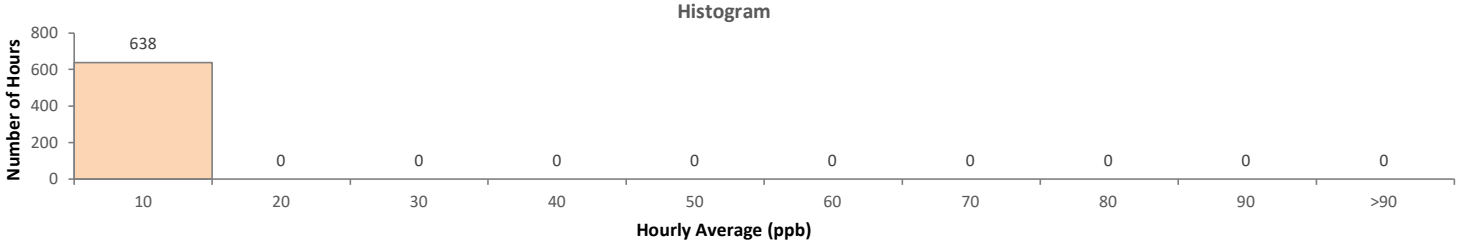
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	1 ppb	on Feb 4 at hr 18		Hours in Service:	672		
Maximum Daily Value:	0.4 ppb	on Feb 24		Hours of Data:	638		
Minimum Hourly Value:	0 ppb	on Feb 1 at hr 1		Hours of Missing Data:	0		
Minimum Daily Value:	0.0 ppb	on Feb 1		Hours of Calibration:	34		
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	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 2	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 3	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 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	S	0	0	0	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	S	0	0	0	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	S	0	0	0	0	0	0	0	0.0
Feb 7	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 8	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	S	0	0	0	0	0	0	0	0	1	0.2
Feb 9	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 10	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 11	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 12	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 13	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 14	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 15	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 16	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Feb 17	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0.2
Feb 18	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 19	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 20	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 21	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 22	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 23	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.0
Feb 24	S	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	S	0	1	0.4
Feb 25	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.1
Feb 26	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 27	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 28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	S	1	1	0	0	0	1	0.3
Diurnal Maximum	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0			

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

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



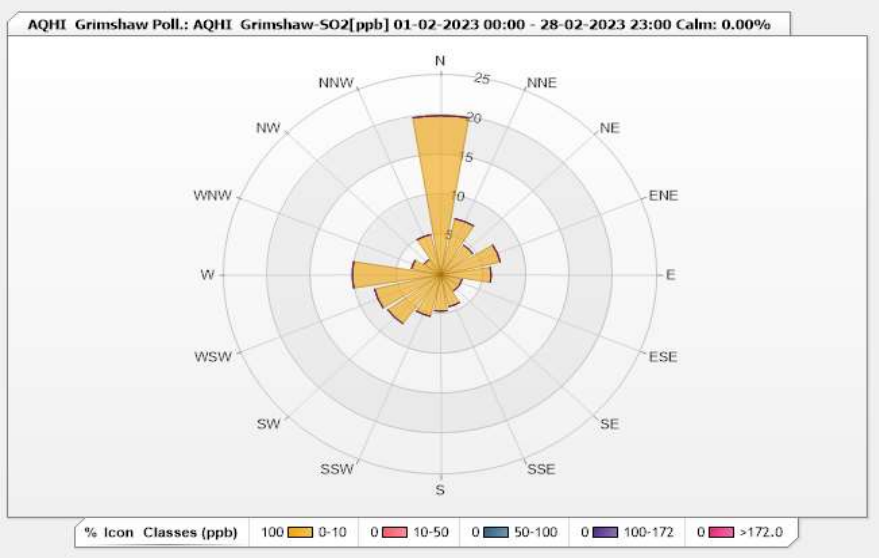


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	19.91	0	0	0	0	19.91
NNE	7.21	0	0	0	0	7.21
NE	4.55	0	0	0	0	4.55
ENE	7.05	0	0	0	0	7.05
E	5.8	0	0	0	0	5.8
ESE	2.51	0	0	0	0	2.51
SE	2.51	0	0	0	0	2.51
SSE	4.08	0	0	0	0	4.08
S	4.55	0	0	0	0	4.55
SSW	5.33	0	0	0	0	5.33
SW	7.52	0	0	0	0	7.52
WSW	7.84	0	0	0	0	7.84
W	10.19	0	0	0	0	10.19
WNW	3.45	0	0	0	0	3.45
NW	2.35	0	0	0	0	2.35
NNW	5.17	0	0	0	0	5.17
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

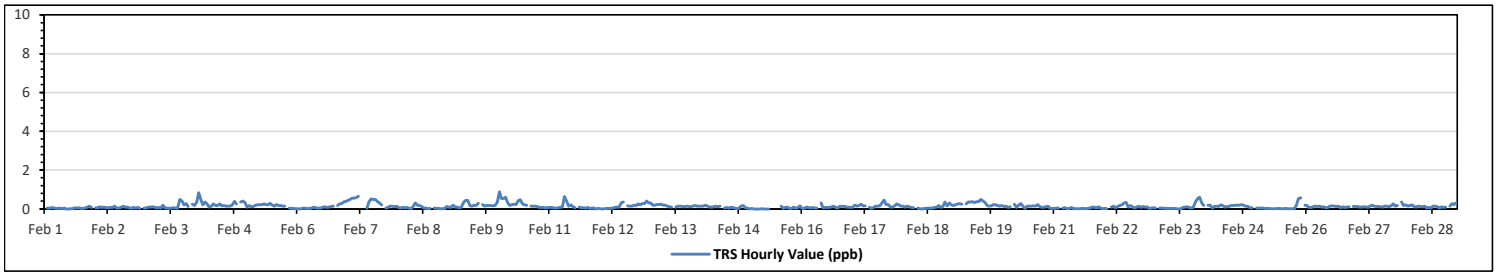
TOTAL REDUCED SULPHUR (TRS) in ppb

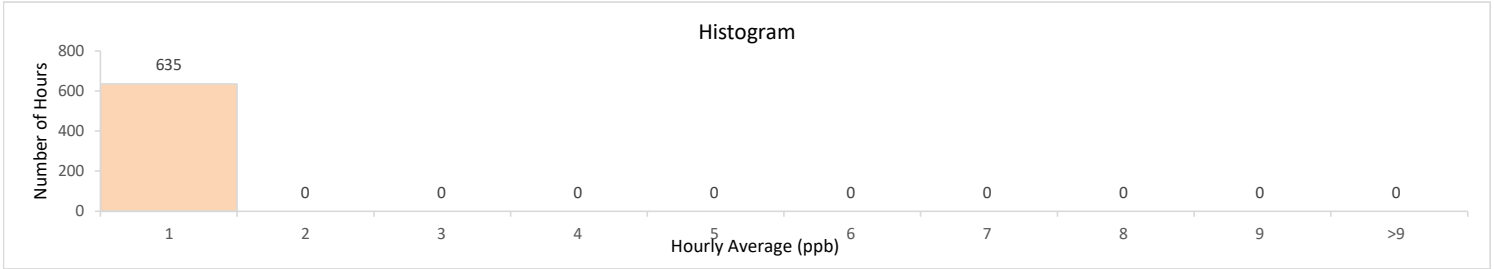
Maximum Hourly Value:	1	ppb	on Feb 10 at hr 0	Hours in Service:	672	
Maximum Daily Value:	0.3	ppb	on Feb 7	Hours of Data:	635	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 10	Hours of Missing Data:	3	
Minimum Daily Value:	0.0	ppb	on Feb 21	Hours of Calibration:	34	
Monthly Average:	0.1	ppb		Operational Uptime:	99.6	

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	S	0.04	0.04	0.06	0.06	0.03	0.02	0.04	0.01	0.04	0	0	0.01	0.01	0.06	0.05	0.06	0.02	0.03	0.05	0.1	0.14	0.08	S	0.00	0.14	0.0
Feb 2	0.06	0.06	0.11	0.07	0.09	0.06	0.06	0.08	0.07	0.13	0.05	0.05	0.07	0.13	0.1	0.09	0.06	0.03	0.07	0.05	0.07	0.02	S	0.05	0.02	0.13	0.1
Feb 3	0.04	0.1	0.1	0.11	0.1	0.05	0.07	0.04	0.2	0.05	0.04	0.03	0.04	0.06	0.04	0.03	0.5	0.41	0.21	0.27	0.12	S	0.24	0.17	0.03	0.50	0.1
Feb 4	0.36	0.83	0.47	0.21	0.35	0.25	0.09	0.14	0.25	0.17	0.17	0.25	0.16	0.17	0.14	0.14	0.13	0.21	0.39	0.26	S	0.36	0.4	0.33	0.09	0.83	0.3
Feb 5	0.09	0.17	0.11	0.12	0.19	0.21	0.23	0.21	0.25	0.22	0.21	0.29	0.19	0.15	0.23	0.17	0.18	0.15	0.14	S	0.04	0.03	0.03	0.01	0.01	0.29	0.2
Feb 6	0.01	0	0.02	0.04	0.03	0.03	0.03	0.06	0.09	0.05	0.04	0.05	0.1	0.11	0.08	0.09	0.12	0.13	S	0.18	0.25	0.28	0.35	0.39	0.00	0.39	0.1
Feb 7	0.43	0.48	0.55	0.56	0.59	0.65	X	X	NRM	0.05	0.35	0.52	0.48	0.5	0.38	0.32	0.21	S	0.05	0.08	0.14	0.13	0.11	0.15	0.05	0.65	**0.3**
Feb 8	0.08	0.05	0.08	0.06	0.07	0.04	0.01	0.12	0.32	0.19	0.18	0.12	0.05	0.04	0.01	0.03	S	0.04	0.03	0.02	0.01	0.01	0.02	0.12	0.01	0.32	0.1
Feb 9	0.09	0.08	0.2	0.09	0.1	0.05	0.09	0.34	0.45	0.45	0.16	0.14	0.19	0.17	0.29	S	0.22	0.14	0.18	0.18	0.18	0.16	0.17	0.34	0.05	0.45	0.2
Feb 10	**0.89**	0.53	0.53	0.6	0.3	0.18	0.23	0.24	0.23	0.44	0.47	0.26	0.21	0.2	S	0.15	0.15	0.14	0.12	0.08	0.08	0.07	0.04	0.07	0.04	**0.89**	0.3
Feb 11	0.07	0.07	0.04	0.04	0.06	0.08	0.11	0.64	0.39	0.13	0.21	0.11	0.06	S	0.1	0.06	0.06	0.05	0.07	0.03	0.05	0.04	0	0.02	0.00	0.64	0.1
Feb 12	0.01	0	0.01	0.02	0.02	0.03	0.05	0.07	0.1	0.09	0.33	0.35	S	0.16	0.13	0.14	0.19	0.17	0.25	0.21	0.27	0.27	0.4	0.32	0.00	0.40	0.2
Feb 13	0.31	0.2	0.19	0.22	0.23	0.24	0.2	0.2	0.14	0.11	0.09	S	0.09	0.14	0.14	0.12	0.11	0.14	0.12	0.11	0.14	0.17	0.14	0.15	0.09	0.31	0.2
Feb 14	0.13	0.14	0.2	0.15	0.1	0.09	0.11	0.13	0.11	0.14	S	0.05	0.08	0.05	0.07	0.08	0.04	0.01	0.04	0.14	0.17	0.06	0.04	0	0.00	0.20	0.1
Feb 15	0.03	0	0	0	0	0.01	0	0	0	C	C	C	C	C	0.14	0.03	0.08	0.1	0.03	0.02	0.1	0.02	0.07	0.16	0.00	0.16	0.0
Feb 16	0.03	0.03	0.1	0.07	0.05	0.08	0.04	0.05	S	0.32	0.06	0.07	0.07	0.07	0.11	0.13	0.07	0.05	0.14	0.12	0.15	0.1	0.09	0.08	0.03	0.32	0.1
Feb 17	0.08	0.2	0.13	0.18	0.24	0.16	0.16	S	0.09	0.03	0.07	0.13	0.14	0.16	0.3	0.46	0.23	0.22	0.1	0.09	0.16	0.25	0.21	0.13	0.03	0.46	0.2
Feb 18	0.14	0.1	0.14	0.11	0.08	0.06	S	0.04	0.01	0	0.02	0.02	0.04	0.04	0.05	0.08	0.1	0.17	0.07	0.12	0.36	0.16	0.31	0.21	0.00	0.36	0.1
Feb 19	0.18	0.21	0.26	0.27	0.24	S	0.26	0.36	0.36	0.38	0.33	0.37	0.38	0.5	0.41	0.34	0.18	0.15	0.16	0.22	0.21	0.18	0.13	0.17	0.13	0.50	0.3
Feb 20	0.12	0.14	0.07	0.11	S	0.24	0.08	0.2	0.28	0.14	0.03	0.13	0.13	0.13	0.16	0.13	0.22	0.12	0.07	0.1	0.11	0.13	0.03	0.03	0.03	0.28	0.1
Feb 21	0.03	0.05	0.04	S	0.05	0.06	0.02	0.01	0.08	0.02	0.01	0.01	0.01	0.02	0.03	0.01	0.03	0.04	0.1	0.09	0.05	0.11	0.04	0.01	0.01	0.11	0.0
Feb 22	0.03	0.01	S	0.09	0.13	0.06	0.12	0.18	0.21	0.32	0.34	0.09	0.18	0.11	0.04	0.1	0.14	0.07	0.12	0.09	0.11	0.02	0.04	0.06	0.01	0.34	0.1
Feb 23	0.04	S	0.04	0.05	0.04	0.02	0.02	0.02	0.02	0.03	0.01	0	0.01	0.07	0.1	0.11	0.07	0.05	0.07	0.35	0.53	0.6	0.29	0.18	0.00	0.60	0.1
Feb 24	S	0.2	0.2	0.05	0.12	0.14	0.12	0.21	0.18	0.1	0.12	0.12	0.17	0.18	0.2	0.2	0.2	0.23	0.18	0.14	0.12	0.06	0.06	S	0.05	0.23	0.2
Feb 25	0.04	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.03	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.17	0.53	0.57	S	0.19	0.01	0.57	0.1
Feb 26	0.17	0.07	0.08	0.11	0.14	0.12	0.14	0.09	0.11	0.06	0.08	0.13	0.16	0.13	0.12	0.14	0.06	0.11	0.07	0.1	0.11	S	0.12	0.12	0.06	0.17	0.1
Feb 27	0.12	0.09	0.1	0.11	0.11	0.08	0.15	0.2	0.14	0.12	0.12	0.11	0.1	0.14	0.13	0.11	0.16	0.25	0.15	0.17	S	0.36	0.18	0.21	0.08	0.36	0.1
Feb 28	0.13	0.17	0.21	0.12	0.09	0.13	0.12	0.11	0.15	0.05	0.08	0.05	0.13	0.15	0.11	0.05	0.11	0.08	0.09	S	0.14	0.27	0.23	0.32	0.05	0.32	0.1
Diurnal Maximum	0.89	0.83	0.55	0.60	0.59	0.65	0.26	0.64	0.45	0.45	0.47	0.52	0.48	0.50	0.41	0.46	0.50	0.41	0.39	0.35	0.53	0.60	0.40	0.39			
Diurnal Average	0.14	0.15	0.15	0.14	0.13	0.12	0.10	0.15	0.16	0.14	0.14	0.13	0.13	0.14	0.14	0.12	0.14	0.12	0.11	0.13	0.17	0.18	0.15	0.15			

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.



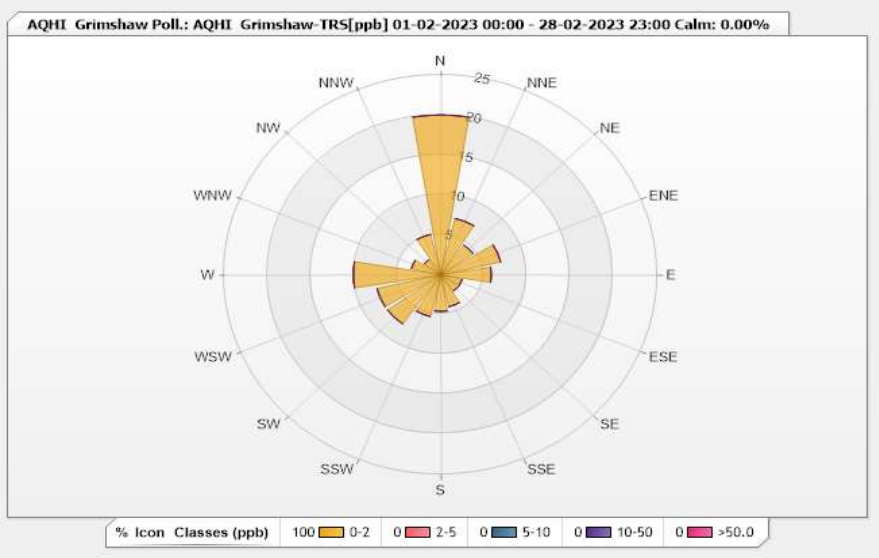


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.49% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	20	0	0	0	0	20
NNE	7.24	0	0	0	0	7.24
NE	4.57	0	0	0	0	4.57
ENE	7.09	0	0	0	0	7.09
E	5.83	0	0	0	0	5.83
ESE	2.52	0	0	0	0	2.52
SE	2.52	0	0	0	0	2.52
SSE	4.09	0	0	0	0	4.09
S	4.57	0	0	0	0	4.57
SSW	5.35	0	0	0	0	5.35
SW	7.56	0	0	0	0	7.56
WSW	7.56	0	0	0	0	7.56
W	10.08	0	0	0	0	10.08
WNW	3.46	0	0	0	0	3.46
NW	2.36	0	0	0	0	2.36
NNW	5.2	0	0	0	0	5.2
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

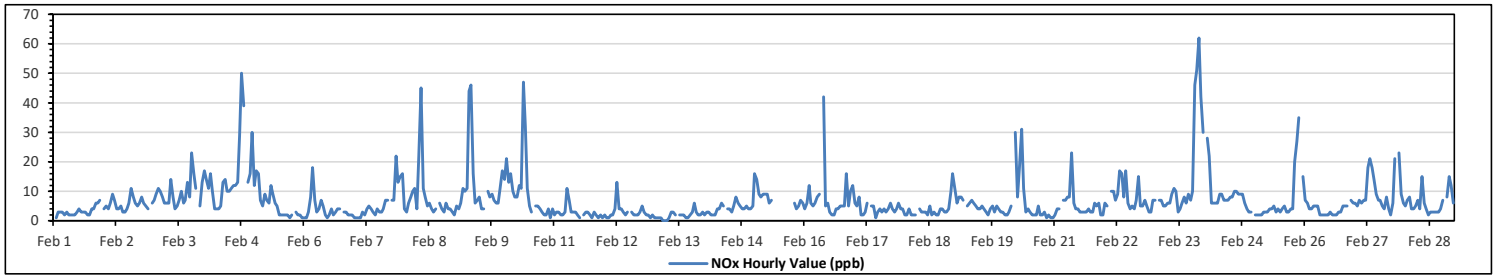
OXIDES OF NITROGEN (NOx) in ppb

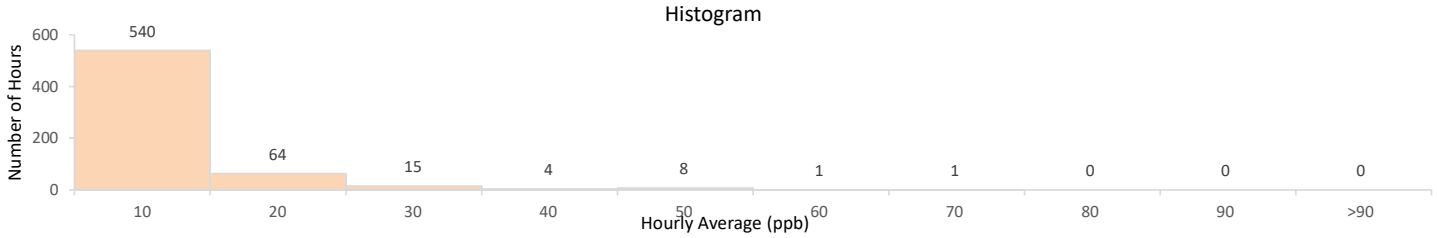
Maximum Hourly Value:	62	ppb	on Feb 23 at hr 21	Hours in Service:	672	
Maximum Daily Value:	15.5	ppb	on Feb 4	Hours of Data:	633	
Minimum Hourly Value:	0	ppb	on Feb 13 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	1.8	ppb	on Feb 13	Hours of Calibration:	39	
Monthly Average:	6.8	ppb		Operational 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	S	1	3	3	3	2	3	2	2	2	2	3	4	3	3	3	2	2	4	4	6	6	7	S	1	7	3.2
Feb 2	4	5	4	6	9	7	4	4	5	3	3	4	6	11	8	6	5	6	8	6	5	4	S	6	3	11	5.6
Feb 3	7	9	11	10	8	6	6	6	14	8	4	5	7	10	6	7	13	8	23	16	11	S	5	13	4	23	9.3
Feb 4	17	14	11	16	10	4	4	4	5	13	14	10	10	11	12	12	13	29	50	39	S	13	16	30	4	50	**15.5**
Feb 5	12	17	16	7	5	9	7	6	12	9	6	5	2	2	2	2	2	1	2	S	3	2	2	1	1	17	5.7
Feb 6	1	1	3	8	18	7	3	4	7	5	2	1	2	4	2	3	4	4	S	3	3	2	2	2	1	18	4.0
Feb 7	1	1	1	1	3	2	4	5	4	3	2	4	3	3	4	7	7	S	7	7	22	13	15	16	1	22	5.9
Feb 8	4	3	6	8	10	11	4	22	45	11	8	5	6	4	3	4	S	6	4	3	6	4	4	3	3	45	8.0
Feb 9	2	5	4	6	11	10	11	44	46	16	6	7	8	4	4	S	10	8	9	7	6	6	11	17	2	46	11.2
Feb 10	14	21	13	16	10	8	8	12	11	47	32	11	5	3	S	5	5	4	3	2	2	4	1	4	1	47	10.5
Feb 11	2	3	3	2	2	3	11	7	3	3	3	2	1	S	2	3	3	2	1	3	2	1	2	1	1	11	2.8
Feb 12	2	1	1	2	2	4	13	4	4	3	2	3	S	3	2	2	2	3	5	3	2	2	1	2	1	13	3.0
Feb 13	1	1	1	1	0	0	0	1	3	3	2	S	2	2	2	1	1	2	3	6	3	2	2	3	**0**	6	**1.8**
Feb 14	2	3	3	2	2	2	4	4	6	5	S	4	4	3	5	8	6	5	4	4	5	4	4	5	2	8	4.1
Feb 15	16	14	9	8	9	9	9	6	7	C	C	C	C	C	C	C	C	C	C	6	4	5	7	6	4	16	NA
Feb 16	4	6	12	6	5	6	8	9	S	42	5	6	3	2	2	4	4	5	5	5	16	5	10	12	2	42	7.9
Feb 17	6	5	8	2	2	3	6	S	5	5	1	3	4	3	4	3	4	6	4	3	4	6	4	4	1	8	4.1
Feb 18	2	2	4	2	2	2	S	4	3	3	3	2	5	2	3	2	2	4	4	3	3	4	10	16	2	16	3.8
Feb 19	11	6	8	8	7	S	5	6	7	6	5	4	4	5	4	3	2	4	5	3	5	4	3	3	2	11	5.1
Feb 20	2	2	3	5	S	30	8	18	31	11	3	4	3	2	2	2	5	2	2	3	1	2	1	1	1	31	6.2
Feb 21	2	4	4	S	7	7	8	8	23	6	4	4	3	3	3	3	4	3	3	6	5	6	2	2	2	23	5.2
Feb 22	6	5	S	10	10	7	9	17	16	8	17	6	4	5	4	7	15	5	5	7	5	3	3	7	3	17	7.9
Feb 23	7	S	7	7	5	5	6	6	9	11	10	3	4	6	8	6	9	7	10	46	51	**62**	42	30	3	**62**	**15.5**
Feb 24	S	28	22	6	6	6	6	9	9	7	7	7	8	8	10	10	9	9	9	6	4	3	3	S	3	28	8.7
Feb 25	2	2	2	2	3	3	3	4	4	5	3	4	3	4	5	3	3	4	4	20	27	35	S	15	2	35	7.0
Feb 26	7	6	4	4	5	5	5	2	2	2	2	2	3	2	2	2	3	3	5	5	5	S	7	6	2	7	3.9
Feb 27	6	5	7	6	7	7	18	21	18	14	9	7	7	5	4	8	4	2	6	21	S	23	9	6	2	23	9.6
Feb 28	5	7	8	4	4	5	7	4	15	6	4	2	3	3	3	3	3	4	7	S	8	15	12	6	2	15	6.0
Diurnal Maximum	17	28	22	16	18	30	18	44	46	47	32	11	10	11	12	12	15	29	50	46	51	62	42	30			
Diurnal Average	5.6	6.6	6.6	5.9	6.1	6.3	6.7	8.9	11.7	9.5	6.1	4.5	4.4	4.3	4.2	4.6	5.4	5.3	7.4	9.1	8.2	9.1	7.1	8.3			

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

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



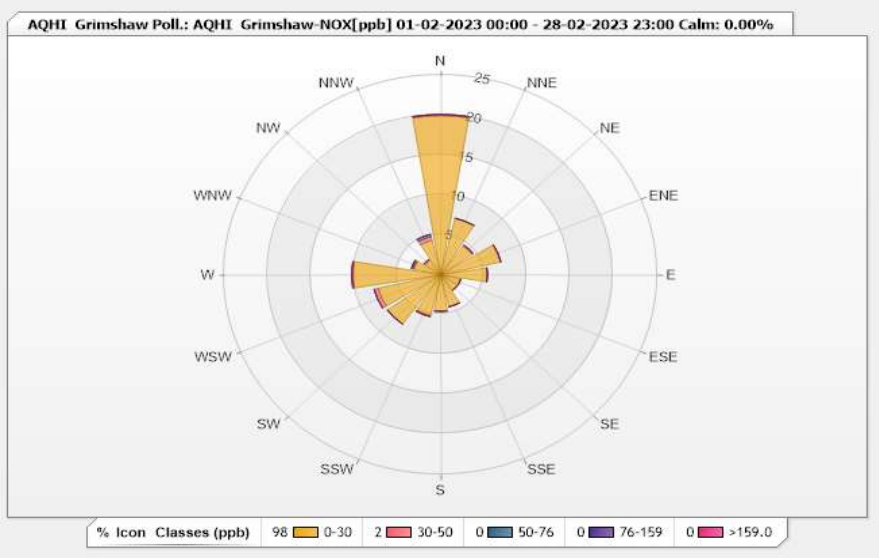


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.20% Calm Avg: 0.00 [ppm]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	19.91	0.16	0	0	0	20.07
NNE	7.27	0	0	0	0	7.27
NE	4.42	0.16	0	0	0	4.58
ENE	7.11	0	0	0	0	7.11
E	5.37	0	0	0	0	5.37
ESE	2.37	0	0	0	0	2.37
SE	2.37	0	0	0	0	2.37
SSE	4.11	0	0	0	0	4.11
S	4.58	0	0	0	0	4.58
SSW	5.21	0.16	0	0	0	5.37
SW	7.58	0	0	0	0	7.58
WSW	7.42	0.47	0	0	0	7.89
W	10.11	0.16	0	0	0	10.27
WNW	3.16	0.16	0.16	0	0	3.48
NW	2.21	0.16	0	0	0	2.37
NNW	4.42	0.47	0.32	0	0	5.21
Summary	97.62	1.9	0.48	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

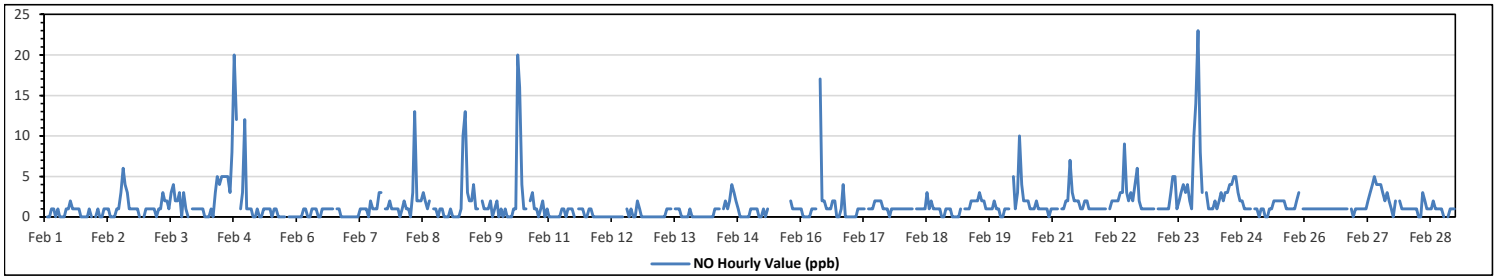
NITRIC OXIDE (NO) in ppb

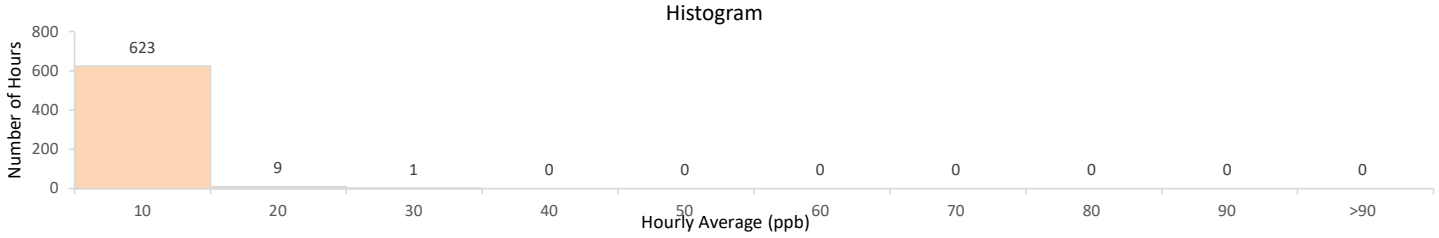
Maximum Hourly Value:	23	ppb	on Feb 23 at hr 21	Hours in Service:	672	
Maximum Daily Value:	4.3	ppb	on Feb 23	Hours of Data:	633	
Minimum Hourly Value:	0	ppb	on Feb 1 at hr 1	Hours of Missing Data:	0	
Minimum Daily Value:	0.2	ppb	on Feb 12	Hours of Calibration:	39	
Monthly Average:	1.5	ppb		Operational 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	S	0	0	1	1	0	1	0	0	0	1	1	2	1	1	1	1	0	0	0	0	1	0	S	0	2	0.5
Feb 2	0	1	0	0	1	1	1	0	0	0	1	1	3	6	4	3	1	1	1	1	1	0	S	0	0	6	1.2
Feb 3	1	1	1	1	1	0	1	1	3	2	2	1	3	4	2	2	3	0	3	1	0	S	1	1	0	4	1.5
Feb 4	1	1	1	1	0	0	0	1	0	3	5	4	5	5	5	5	3	8	20	12	S	1	3	12	0	20	4.2
Feb 5	1	1	1	0	0	1	0	0	1	1	1	1	0	1	1	0	0	0	0	S	0	0	0	0	0	1	0.4
Feb 6	0	0	0	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	S	1	1	0	0	0	0	1	0.6
Feb 7	0	0	0	0	0	0	1	1	1	1	0	2	1	1	1	3	3	S	1	1	2	1	1	1	0	3	1.0
Feb 8	1	0	1	2	1	1	0	3	13	2	2	2	3	2	1	2	S	1	1	0	1	1	0	0	0	13	1.7
Feb 9	0	1	0	0	0	0	1	10	13	3	2	2	4	1	1	S	2	1	1	1	2	0	1	2	0	13	2.1
Feb 10	0	1	0	1	0	0	0	1	1	20	16	4	1	1	S	2	3	1	1	0	1	2	0	1	0	20	2.5
Feb 11	0	0	0	0	0	0	1	1	0	1	1	1	0	S	1	1	1	0	0	1	1	0	0	0	0	1	0.4
Feb 12	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0	0	2	1	0	0	0	0	0	2	0.2
Feb 13	0	0	0	0	0	0	0	0	1	1	1	S	1	1	1	0	0	0	0	1	0	0	0	0	0	1	0.3
Feb 14	0	0	0	0	0	0	0	1	1	1	S	1	2	1	2	4	3	2	1	0	0	0	0	0	0	4	0.8
Feb 15	1	1	1	1	0	0	1	0	1	C	C	C	C	C	C	C	C	C	C	2	1	1	1	1	0	2	NA
Feb 16	1	0	0	0	0	1	1	1	S	17	2	2	1	1	1	2	2	0	0	1	4	0	0	0	0	17	1.6
Feb 17	0	0	0	1	1	1	1	S	1	1	1	2	2	2	2	1	1	1	0	1	1	1	1	1	0	2	1.0
Feb 18	1	1	1	1	1	1	S	1	1	1	1	1	3	1	2	1	1	1	1	0	0	1	1	1	0	3	1.0
Feb 19	0	0	0	0	1	S	1	1	1	2	2	2	2	3	2	2	1	1	1	1	2	1	1	0	0	3	1.2
Feb 20	0	1	1	1	S	5	1	3	10	4	2	2	2	1	1	1	2	1	1	1	1	1	0	1	0	10	1.9
Feb 21	1	1	1	S	1	1	2	2	7	3	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	7	1.7
Feb 22	1	1	S	1	2	2	2	2	3	3	9	3	2	3	2	4	6	2	1	1	1	1	1	1	1	9	2.3
Feb 23	1	S	1	1	1	1	1	1	3	5	5	1	2	3	4	3	4	2	1	10	14	23	8	3	1	23	4.3
Feb 24	S	3	1	1	1	2	1	2	3	2	3	3	4	4	5	5	3	2	2	1	1	1	1	S	1	5	2.3
Feb 25	1	1	0	1	1	0	0	1	1	2	2	2	2	2	2	1	1	1	1	1	2	3	S	1	0	3	1.3
Feb 26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	S	1	0	0	1	1.0
Feb 27	1	1	1	1	1	1	2	3	4	5	4	4	4	3	2	3	2	1	0	2	S	2	1	1	0	5	2.1
Feb 28	1	1	1	1	1	1	0	0	3	2	1	1	1	2	1	1	1	1	0	S	0	1	1	1	0	3	1.0
Diurnal Maximum	1	3	1	2	2	5	2	10	13	20	16	4	5	6	5	5	6	8	20	12	14	23	8	12			
Diurnal Average	0.5	0.7	0.5	0.7	0.6	0.7	0.7	1.4	2.7	3.1	2.6	1.8	2.1	2.0	1.8	2.0	1.8	1.2	1.6	1.7	1.5	1.7	0.9	1.1			

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.



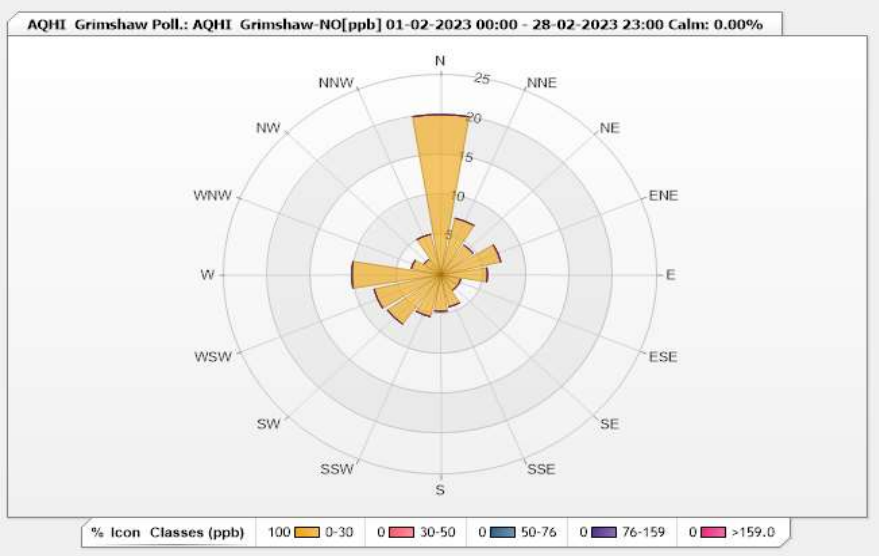


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.20% Calm Avg: 0.00 [ppm]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	20.06	0	0	0	0	20.06
NNE	7.27	0	0	0	0	7.27
NE	4.58	0	0	0	0	4.58
ENE	7.11	0	0	0	0	7.11
E	5.37	0	0	0	0	5.37
ESE	2.37	0	0	0	0	2.37
SE	2.37	0	0	0	0	2.37
SSE	4.11	0	0	0	0	4.11
S	4.58	0	0	0	0	4.58
SSW	5.37	0	0	0	0	5.37
SW	7.58	0	0	0	0	7.58
WSW	7.9	0	0	0	0	7.9
W	10.27	0	0	0	0	10.27
WNW	3.48	0	0	0	0	3.48
NW	2.37	0	0	0	0	2.37
NNW	5.21	0	0	0	0	5.21
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

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

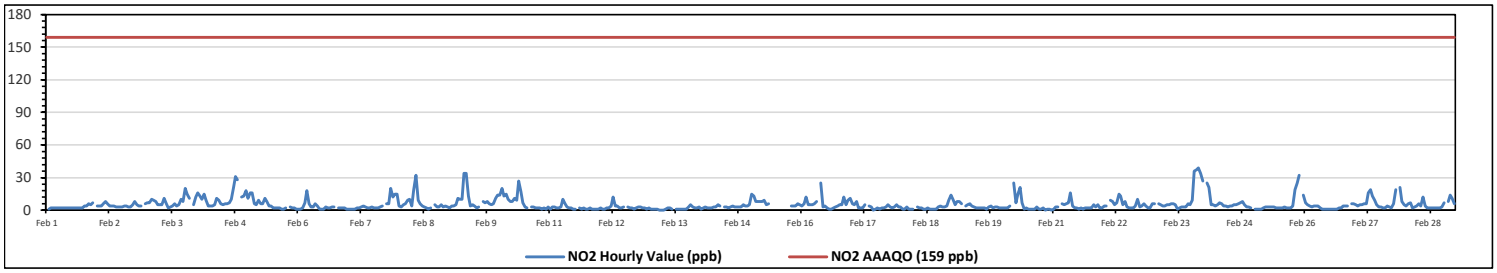
Number of 1-Hour Exceedances: 0

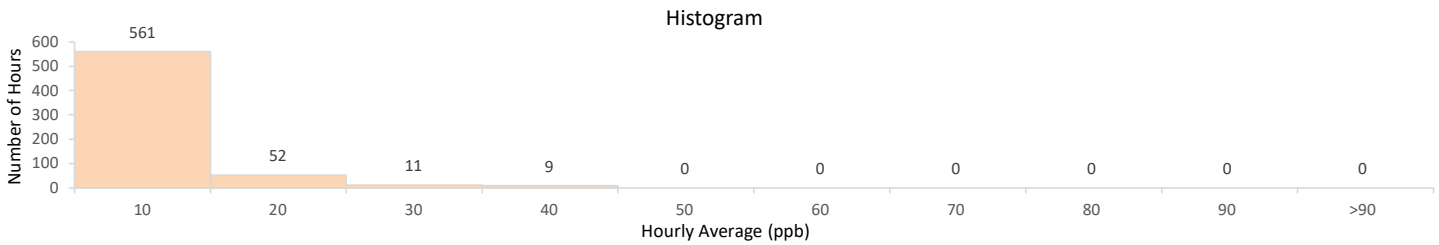
Maximum Hourly Value:	39	ppb	on Feb 23 at hr 21	Hours in Service:	672
Maximum Daily Value:	11.4	ppb	on Feb 4	Hours of Data:	633
Minimum Hourly Value:	0	ppb	on Feb 13 at hr 4	Hours of Missing Data:	0
Minimum Daily Value:	1.5	ppb	on Feb 13	Hours of Calibration:	39
Monthly Average:	5.3	ppb		Operational 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	S	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	6	5	7	S	1	7	2.7
Feb 2	4	4	4	6	8	6	4	4	4	3	3	3	3	4	4	3	3	5	8	5	4	4	S	6	3	8	4.4
Feb 3	7	7	10	9	8	5	5	5	11	6	2	3	4	6	4	5	10	8	20	15	11	S	5	12	2	20	7.7
Feb 4	16	13	10	15	9	4	4	4	5	11	9	6	5	6	6	7	10	21	31	28	S	12	13	18	4	31	**11.4**
Feb 5	11	16	16	6	5	9	6	6	11	8	4	4	2	2	2	2	1	1	2	S	3	2	2	1	1	16	5.3
Feb 6	1	1	2	7	18	6	3	3	6	4	1	1	1	3	2	2	3	3	S	2	2	2	2	1	1	18	3.3
Feb 7	1	1	1	1	2	2	3	4	3	2	2	3	2	2	2	3	4	S	6	6	20	12	15	15	1	20	4.9
Feb 8	4	3	5	6	9	10	4	19	32	9	6	4	3	2	1	2	S	5	3	3	5	3	4	3	1	32	6.3
Feb 9	2	4	4	5	11	10	10	34	34	13	4	5	4	2	3	S	8	7	8	6	5	6	11	14	2	34	9.1
Feb 10	14	20	13	15	10	8	8	11	9	27	17	7	3	2	S	3	3	2	2	2	1	2	1	3	1	27	8.0
Feb 11	1	3	3	2	2	3	10	6	3	2	2	1	1	S	2	1	2	1	1	2	1	1	1	1	1	10	2.3
Feb 12	2	1	1	2	2	4	12	4	4	2	2	3	S	3	2	2	1	2	3	3	2	2	1	2	1	12	2.7
Feb 13	1	1	1	1	0	0	0	1	2	2	1	S	1	1	1	1	1	1	3	5	3	2	2	3	**0**	5	**1.5**
Feb 14	1	2	3	2	2	2	3	3	5	4	S	3	3	2	3	4	3	3	3	3	5	4	4	5	1	5	3.1
Feb 15	15	13	8	8	8	8	9	5	6	C	C	C	C	C	C	C	C	C	C	4	4	4	6	5	4	15	NA
Feb 16	4	6	12	5	5	5	6	8	S	25	3	4	2	1	1	2	3	4	5	5	12	5	9	11	1	25	6.2
Feb 17	6	5	8	2	2	2	5	S	4	3	0	1	2	1	2	2	3	5	3	2	3	5	3	3	**0**	8	3.1
Feb 18	1	1	3	1	1	1	S	3	2	2	1	1	2	1	1	1	1	3	4	3	3	4	9	14	1	14	2.7
Feb 19	10	5	8	8	6	S	4	5	6	4	3	2	2	2	2	2	1	3	4	2	3	3	2	2	1	10	3.9
Feb 20	2	2	2	4	S	25	7	15	21	7	1	2	1	1	1	1	3	1	1	2	0	1	1	0	**0**	25	4.4
Feb 21	1	3	3	S	6	5	6	7	16	4	2	2	1	2	1	2	2	2	2	5	3	5	2	2	1	16	3.7
Feb 22	4	4	S	9	8	5	7	15	13	5	8	3	2	2	2	4	10	3	4	6	4	2	2	6	2	15	5.6
Feb 23	6	S	6	5	4	4	5	5	6	6	5	1	2	3	3	3	6	5	9	36	37	**39**	34	27	1	**39**	11.2
Feb 24	S	25	21	5	5	4	5	7	6	4	4	3	4	4	5	5	6	7	8	5	3	3	2	S	2	25	6.4
Feb 25	1	1	1	1	2	3	3	3	3	3	2	2	2	2	3	2	2	2	4	19	25	32	S	14	1	32	5.7
Feb 26	7	5	4	3	4	4	4	2	1	1	1	1	1	1	1	1	2	2	4	4	4	S	6	6	1	7	3.0
Feb 27	5	4	5	5	6	6	16	19	13	9	5	3	3	2	2	4	3	2	6	19	S	21	8	5	2	21	7.4
Feb 28	4	6	7	2	3	4	6	4	12	4	2	2	2	2	2	2	2	3	7	S	8	14	11	6	2	14	5.0
Diurnal Maximum	16	25	21	15	18	25	16	34	34	27	17	7	5	6	6	7	10	21	31	36	37	39	34	27			
Diurnal Average	5.0	5.8	6.0	5.1	5.5	5.4	5.8	7.6	8.9	6.4	3.5	2.8	2.3	2.3	2.3	2.6	3.7	4.0	6.0	7.5	6.8	7.5	6.3	7.1			

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.



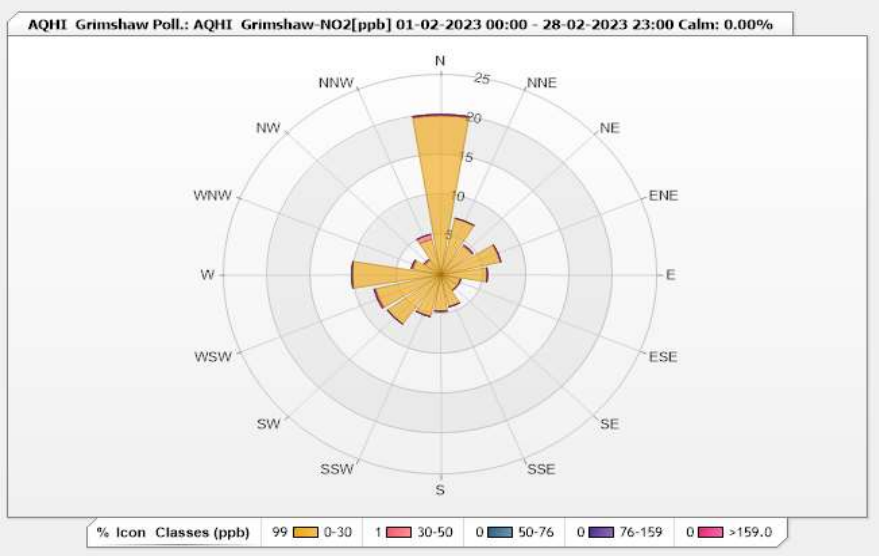


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.20% Calm Avg: 0.00 [ppm]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	19.91	0.16	0	0	0	20.07
NNE	7.27	0	0	0	0	7.27
NE	4.42	0.16	0	0	0	4.58
ENE	7.11	0	0	0	0	7.11
E	5.37	0	0	0	0	5.37
ESE	2.37	0	0	0	0	2.37
SE	2.37	0	0	0	0	2.37
SSE	4.11	0	0	0	0	4.11
S	4.58	0	0	0	0	4.58
SSW	5.37	0	0	0	0	5.37
SW	7.58	0	0	0	0	7.58
WSW	7.74	0.16	0	0	0	7.9
W	10.27	0	0	0	0	10.27
WNW	3.32	0.16	0	0	0	3.48
NW	2.21	0.16	0	0	0	2.37
NNW	4.58	0.63	0	0	0	5.21
Summary	98.58	1.43	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

OZONE (O_3) in ppb

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

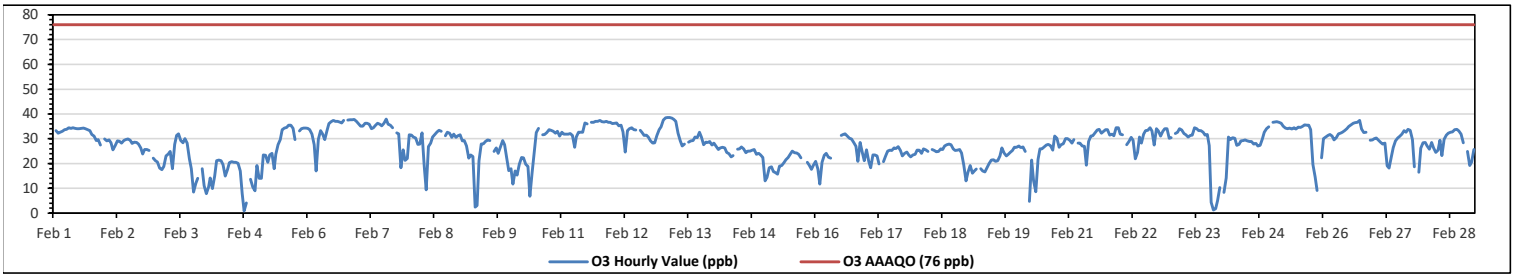
Number of 1-Hour Exceedances: 0

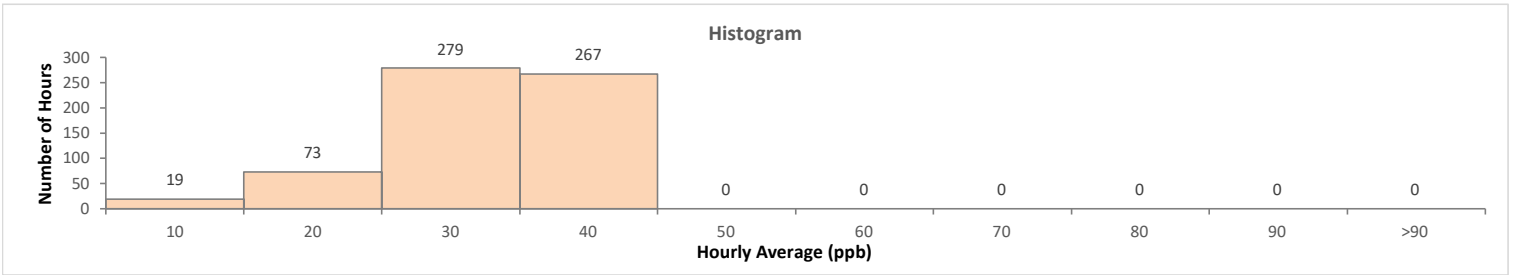
Maximum Hourly Value:	38.6	ppb	on Feb 13 at hr 2	Hours in Service:	672
Maximum Daily Value:	34.3	ppb	on Feb 11	Hours of Data:	638
Minimum Hourly Value:	0.9	ppb	on Feb 4 at hr 18	Hours of Missing Data:	2
Minimum Daily Value:	14.7	ppb	on Feb 4	Hours of Calibration:	32
Monthly Average:	27.5	ppb		Operational 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	S	33.3	32.2	32.6	33	33.7	33.8	34.5	34.2	34.4	34.2	34.1	34.1	34.2	34.3	34.1	33.7	33.3	31.7	31	29.3	29.6	27.5	S	27.5	34.5	32.9
Feb 2	29.9	29.1	29.5	28.4	25.5	27.2	29.1	29	28.3	29.3	29.6	29.9	29.4	28.1	28.7	28.5	27.8	26.3	23.9	25.7	25.6	25.3	S	22.2	22.2	29.9	27.7
Feb 3	21.2	20.6	18.1	17.5	18.8	23.1	23.9	24.8	18	27.7	31.3	32	29.3	28.4	30	28.2	22	18	8.5	12	14	S	17.9	11.1	8.5	32.0	21.6
Feb 4	7.8	10.6	14.1	9.9	14.9	21.2	21.4	21.1	19.6	15	17.5	20.3	20.7	20.5	20.5	20.1	17	7.8	0.9	4.1	S	13.7	10.6	9	**0.9**	21.4	**14.7**
Feb 5	19.2	14	14	23.4	23.3	20.4	23.5	24.1	17.9	23.8	27.6	29.6	33.6	34.3	34.6	35.4	35.5	34.2	29.7	S	33.1	34.1	34.3	34.3	14.0	35.5	27.6
Feb 6	34.2	33.7	31.8	27.6	17	29.8	33.2	32	29.7	33.3	36.1	36.9	37.3	37	37	36.8	36.4	37.4	S	37.5	37.6	37.6	37.8	37	17.0	37.8	34.1
Feb 7	36	35.1	35.1	36.2	36.2	35.8	34.1	34.5	35.3	36.3	35.9	35.2	36.3	37.9	35.9	35.4	34.4	S	32.4	32	18.3	25.5	21.3	22.1	18.3	37.9	32.9
Feb 8	31.6	31.5	30.8	30.3	27.7	27.9	32.4	18.7	9.5	26.8	28.2	30.8	31.7	32.8	33.4	33	S	31.2	32.7	32.3	30.6	31.9	30.6	31.2	9.5	33.4	29.5
Feb 9	31.6	29.1	29.3	27.1	22.2	23.5	22.8	2.5	3.1	21.1	27.9	28	28.8	29.5	29.3	S	24.9	26.3	24.2	26.7	29.2	27.6	22	17.2	2.5	31.6	24.1
Feb 10	17.9	11.7	17	15.3	19.7	22.4	22.3	19.7	18.8	6.9	16.3	25	32.5	34.2	S	31.6	31.7	32.5	33.7	33.4	33	32.2	33	31	6.9	34.2	24.9
Feb 11	32.7	31.8	31.9	31.9	32.1	31.3	26.6	30.7	32.7	32.7	32.7	36.4	36	S	36.6	36.6	37	37.1	37.4	36.9	36.8	37	36.6	36.7	26.6	37.4	**34.3**
Feb 12	36.1	36.3	36.4	35.2	35.5	32.8	24.6	33.3	34.1	34.5	33.7	33.5	S	33.4	32.7	31.3	31.5	30.8	29.1	28.2	28.4	31.3	33.6	34.8	24.6	36.4	32.7
Feb 13	37.5	38.5	**38.6**	**38.6**	38.3	37.8	37.1	32.2	29.1	27	27.8	S	28.7	29.1	29.2	30.7	30.4	32.6	30.8	27.6	28.7	28.6	28.9	27.4	27.0	**38.6**	32.0
Feb 14	28.3	26.9	25.7	26.4	26.6	26.3	24.5	24	22.6	23.2	S	25.8	26	26.7	26	24.4	25	25	25.4	25.6	23.8	24.1	23.4	22.4	22.4	28.3	25.1
Feb 15	13	14.4	18.2	18.6	16.8	16.3	15.8	19	19.2	20.3	21.5	22.4	23.9	25	24.4	24.3	23.7	22.3	NRM	NRM	20.5	19.4	17.7	19.4	13.0	25.0	19.8
Feb 16	20.8	17.8	11.7	20.4	23.3	24.1	22.5	22.2	C	C	C	C	31.3	31.7	32	31	30.2	29.9	28.5	26.9	20.9	28.5	24.4	21.1	11.7	32.0	25.0
Feb 17	25.5	20.9	18.2	23.5	23.4	23	19.9	S	20.7	22.8	25	25.4	25.2	26.4	26.1	26.8	25.3	23	24.2	24.6	23.5	22.7	23.5	23.7	18.2	26.8	23.6
Feb 18	25.4	25.4	24.1	25.9	25.5	24.9	S	25.6	25.3	24.7	24.8	26	25.6	27.1	27.6	27.8	27.6	25.9	25.2	25.4	25.7	24.3	19.3	13	13.0	27.8	24.9
Feb 19	16.5	19.2	16.1	17	17.8	S	17.9	17	16.6	18.4	20	21.4	21.6	20.8	21.2	23.1	26.4	24.3	23.1	23.8	24.5	25.2	26.6	26.6	16.1	26.6	21.1
Feb 20	27	26.5	26.7	24.9	S	4.8	21.4	13.1	8.6	21.7	26	25.9	26.7	27.4	27.7	27.2	25.4	31.1	30.2	26.6	27.6	28	30.1	30.1	4.8	31.1	24.6
Feb 21	29.4	28.3	29.7	S	28.3	28.2	27	26.9	19.4	28.9	31	31.2	32.4	33.5	33.8	32.2	33	33.6	33.7	31.4	31.9	31.2	34.4	34.4	19.4	34.4	30.6
Feb 22	31.9	31.6	S	27.6	28.9	30.6	29.4	22	24.5	30.8	28.2	31.8	33.3	33.4	34.4	33.1	27.5	34.1	33.1	31.1	33	34.1	34.1	30.2	22.0	34.4	30.8
Feb 23	30.5	S	32.1	32.6	34	33.5	32.1	31.6	30.8	31.3	31.4	34.4	34	33.2	33.2	32.7	31.5	31.7	27.2	4.3	1.2	1.7	5.1	10.3	1.2	34.4	26.1
Feb 24	S	8.4	14.2	30.7	29.6	30.4	30.2	27.3	27.7	29.1	29.2	29.5	29.1	28.9	28.8	27.9	28.1	27.1	27.3	29.9	32.7	34.1	34.9	S	8.4	34.9	28.0
Feb 25	36.6	36.8	36.9	36.6	36.3	35.1	34.3	34	34.3	33.9	34.5	33.9	34.7	34.6	35	35.6	35.4	35.5	33.6	19.6	14.5	9.1	S	22.3	9.1	36.9	31.9
Feb 26	30	30.7	31.3	31.7	31	29.5	30.4	32	32.2	32.6	33.3	34.1	35	35.6	36.2	36.5	36.6	37.3	33.9	32.5	32.6	S	29.4	29.5	29.4	37.3	32.8
Feb 27	30	30.3	29.4	28.6	27.9	28.2	19.1	18.1	22.7	26.5	29.1	30.3	30.9	31.9	33.3	32.7	33.8	33.4	29.7	18.7	S	16.5	26.2	28.4	16.5	33.8	27.6
Feb 28	28.5	27	25.8	28.5	26.3	24.5	25.4	29.4	23.2	29.8	31.5	32.2	32.6	32.8	33.7	33.8	33.1	31.8	28.4	S	24.8	19.2	20.6	25.6	19.2	33.8	28.2
Diurnal Maximum	37.5	38.5	38.6	38.6	38.3	37.8	37.1	34.5	35.3	36.3	36.1	36.9	37.3	37.9	37.0	36.8	37.0	37.4	37.4	37.5	37.6	37.6	37.8	37.0			
Diurnal Average	27.3	25.9	25.9	26.9	26.7	26.9	26.5	25.2	23.6	26.8	28.6	29.8	30.4	30.7	30.9	30.8	29.8	29.4	27.6	25.9	26.2	25.9	26.3	25.0			

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

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



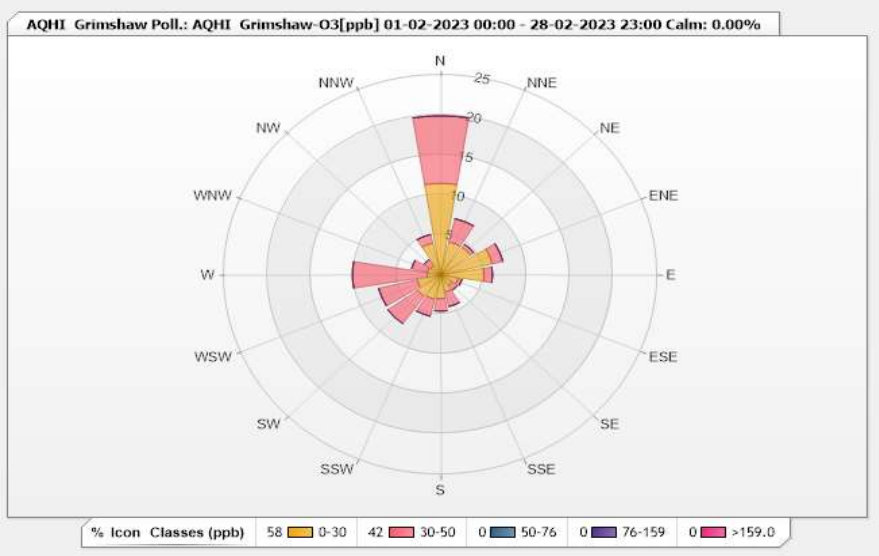


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	11.44	8.46	0	0	0	19.9
NNE	4.23	2.98	0	0	0	7.21
NE	4.23	0.47	0	0	0	4.7
ENE	6.11	1.25	0	0	0	7.36
E	5.02	0.94	0	0	0	5.96
ESE	2.04	0.47	0	0	0	2.51
SE	1.57	0.78	0	0	0	2.35
SSE	2.19	1.88	0	0	0	4.07
S	2.98	1.57	0	0	0	4.55
SSW	3.13	2.19	0	0	0	5.32
SW	3.29	4.23	0	0	0	7.52
WSW	2.82	4.55	0	0	0	7.37
W	1.57	8.62	0	0	0	10.19
WNW	1.57	1.88	0	0	0	3.45
NW	1.41	0.94	0	0	0	2.35
NNW	4.08	1.1	0	0	0	5.18
Summary	57.68	42.31	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

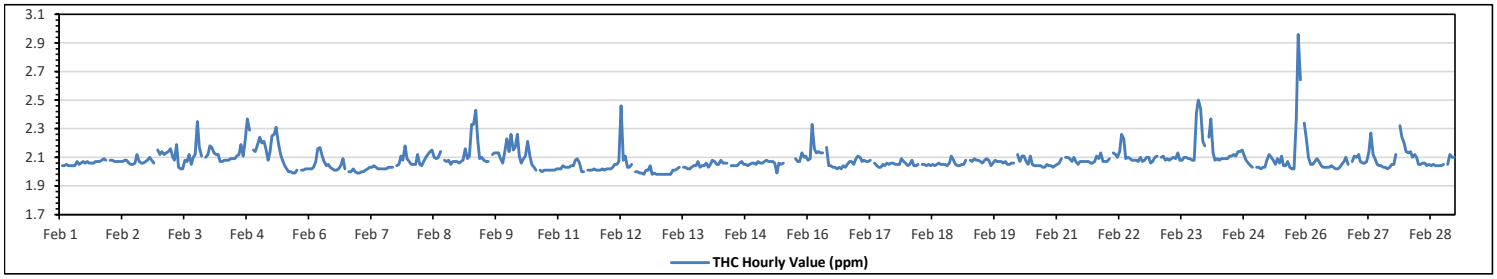
TOTAL HYDROCARBONS (THC) in ppm

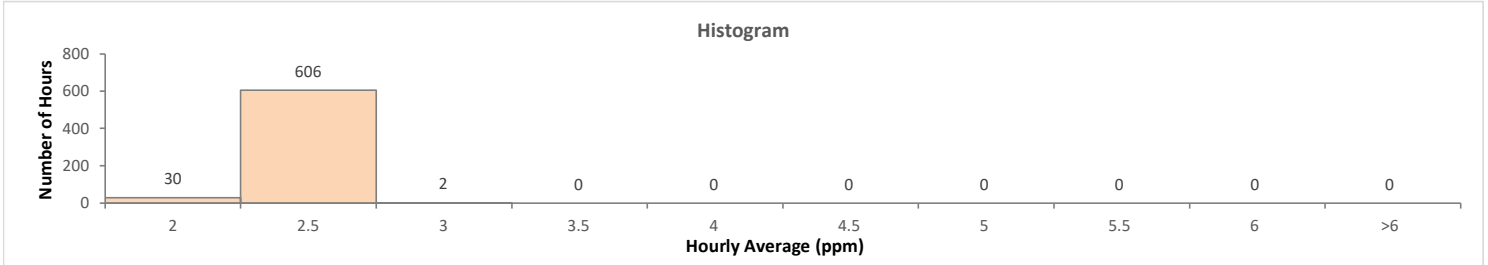
Maximum Hourly Value:	2.96	ppm	on Feb 25 at hr 20	Hours in Service:	672	
Maximum Daily Value:	2.15	ppm	on Feb 23	Hours of Data:	638	
Minimum Hourly Value:	1.98	ppm	on Feb 12 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	2.02	ppm	on Feb 13	Hours of Calibration:	34	
Monthly Average:	2.08	ppm		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	S	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.07	2.05	2.06	2.07	2.06	2.07	2.06	2.06	2.06	2.07	2.07	2.07	2.08	2.09	2.08	S	2.04	2.09	2.06
Feb 2	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.06	2.05	2.05	2.06	2.12	2.07	2.06	2.06	2.07	2.08	2.10	2.08	2.06	S	2.15	2.05	2.15	2.08
Feb 3	2.12	2.14	2.12	2.13	2.14	2.16	2.11	2.08	2.19	2.03	2.02	2.02	2.08	2.07	2.12	2.05	2.10	2.12	2.35	2.17	2.11	S	2.10	2.12	2.02	2.35	2.12
Feb 4	2.18	2.17	2.13	2.12	2.12	2.07	2.07	2.08	2.08	2.08	2.09	2.09	2.09	2.11	2.12	2.19	2.11	2.21	2.37	2.29	S	2.15	2.14	2.19	2.07	2.37	2.14
Feb 5	2.24	2.20	2.21	2.16	2.08	2.14	2.25	2.26	2.31	2.20	2.12	2.08	2.04	2.02	2.00	2.00	1.99	1.99	2.01	S	2.01	2.01	2.02	2.02	1.99	2.31	2.10
Feb 6	2.02	2.02	2.03	2.07	2.16	2.17	2.11	2.07	2.04	2.05	2.03	2.02	2.01	2.01	2.02	2.04	2.09	2.02	S	2.00	2.00	2.02	2.00	1.99	1.99	2.17	2.04
Feb 7	1.99	2.00	2.00	2.01	2.02	2.03	2.03	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	S	2.04	2.05	2.11	2.08	2.18	2.09	1.99	2.18	2.04
Feb 8	2.07	2.05	2.05	2.05	2.12	2.05	2.04	2.07	2.10	2.12	2.14	2.15	2.10	2.09	2.10	2.14	S	2.08	2.07	2.08	2.05	2.07	2.07	2.07	2.04	2.15	2.08
Feb 9	2.06	2.07	2.08	2.16	2.09	2.11	2.33	2.33	2.43	2.22	2.09	2.10	2.08	2.07	2.07	S	2.12	2.13	2.13	2.13	2.09	2.06	2.13	2.23	2.06	2.43	2.14
Feb 10	2.14	2.26	2.15	2.17	2.26	2.11	2.06	2.09	2.11	2.21	2.11	2.05	2.03	2.01	S	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.26	2.08
Feb 11	2.02	2.02	2.04	2.03	2.03	2.03	2.04	2.04	2.08	2.09	2.06	2.00	2.00	S	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.02	2.01	2.02	2.00	2.09	2.03
Feb 12	2.02	2.02	2.03	2.05	2.05	2.07	2.46	2.08	2.11	2.03	2.03	2.05	S	2.00	2.00	1.99	1.99	1.98	2.01	2.01	2.04	1.98	1.99	1.98	1.98	2.46	2.04
Feb 13	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.01	2.01	2.02	2.03	S	2.03	2.03	2.02	2.02	2.03	2.04	2.04	2.07	2.03	2.04	2.04	2.06	1.98	2.07	2.02
Feb 14	2.03	2.05	2.08	2.07	2.05	2.05	2.08	2.06	2.06	2.06	S	2.04	2.04	2.04	2.04	2.06	2.07	2.05	2.05	2.04	2.05	2.06	2.06	2.05	2.03	2.08	2.05
Feb 15	2.07	2.06	2.06	2.07	2.08	2.07	2.07	2.07	2.06	1.99	2.06	2.05	2.06	C	C	C	C	C	2.09	2.07	2.07	2.13	2.10	2.11	1.99	2.13	2.07
Feb 16	2.08	2.09	2.33	2.16	2.13	2.14	2.13	2.13	S	2.17	2.04	2.04	2.03	2.03	2.02	2.03	2.02	2.04	2.03	2.05	2.07	2.07	2.05	2.09	2.02	2.33	2.09
Feb 17	2.11	2.10	2.07	2.08	2.07	2.07	2.08	S	2.06	2.04	2.03	2.03	2.05	2.04	2.06	2.05	2.06	2.06	2.05	2.05	2.05	2.09	2.07	2.06	2.03	2.11	2.06
Feb 18	2.04	2.05	2.08	2.04	2.04	2.05	S	2.05	2.05	2.04	2.05	2.04	2.05	2.04	2.05	2.06	2.05	2.05	2.05	2.04	2.06	2.11	2.08	2.05	2.04	2.11	2.05
Feb 19	2.04	2.04	2.05	2.05	2.08	S	2.08	2.07	2.09	2.08	2.08	2.07	2.06	2.08	2.09	2.08	2.04	2.06	2.08	2.07	2.07	2.07	2.06	2.07	2.04	2.09	2.07
Feb 20	2.05	2.05	2.06	2.06	S	2.12	2.07	2.11	2.11	2.07	2.05	2.11	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.05	2.04	2.04	2.03	2.04	2.03	2.12	2.06
Feb 21	2.05	2.06	2.09	S	2.10	2.10	2.09	2.07	2.10	2.07	2.05	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.07	2.11	2.09	2.13	2.07	2.07	2.05	2.13	2.08
Feb 22	2.07	2.09	S	2.13	2.12	2.10	2.14	2.26	2.23	2.09	2.10	2.09	2.08	2.08	2.08	2.07	2.10	2.07	2.08	2.10	2.10	2.06	2.07	2.10	2.06	2.26	2.10
Feb 23	2.11	S	2.10	2.11	2.08	2.09	2.08	2.09	2.10	2.09	2.13	2.08	2.08	2.10	2.10	2.09	2.09	2.08	2.08	2.41	2.50	2.44	2.21	2.18	2.08	2.50	**2.15**
Feb 24	S	2.24	2.37	2.13	2.08	2.09	2.08	2.09	2.09	2.09	2.09	2.11	2.11	2.12	2.11	2.14	2.14	2.15	2.11	2.08	2.06	2.04	2.03	S	2.03	2.37	2.12
Feb 25	2.03	2.03	2.02	2.03	2.03	2.08	2.12	2.10	2.08	2.05	2.09	2.06	2.11	2.04	2.04	2.07	2.03	2.02	2.02	2.37	**2.96**	2.64	S	2.34	2.02	**2.96**	2.15
Feb 26	2.22	2.10	2.05	2.05	2.07	2.09	2.07	2.04	2.03	2.03	2.03	2.03	2.04	2.03	2.02	2.02	2.03	2.05	2.07	2.10	2.05	S	2.07	2.11	2.02	2.22	2.06
Feb 27	2.10	2.12	2.07	2.06	2.06	2.07	2.14	2.27	2.12	2.09	2.05	2.04	2.04	2.03	2.03	2.02	2.03	2.05	2.05	2.12	S	2.32	2.24	2.20	2.02	2.32	2.10
Feb 28	2.14	2.13	2.14	2.10	2.12	2.10	2.05	2.05	2.06	2.06	2.04	2.05	2.04	2.05	2.04	2.04	2.04	2.04	2.05	S	2.05	2.12	2.10	2.10	2.04	2.14	2.07
Diurnal Maximum	2.24	2.26	2.37	2.17	2.26	2.17	2.46	2.33	2.43	2.22	2.14	2.15	2.11	2.12	2.12	2.19	2.14	2.21	2.37	2.41	2.96	2.64	2.24	2.34			
Diurnal Average	2.08	2.08	2.09	2.08	2.08	2.08	2.11	2.10	2.11	2.08	2.06	2.06	2.06	2.05	2.05	2.06	2.05	2.06	2.08	2.10	2.11	2.11	2.08	2.10			

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.



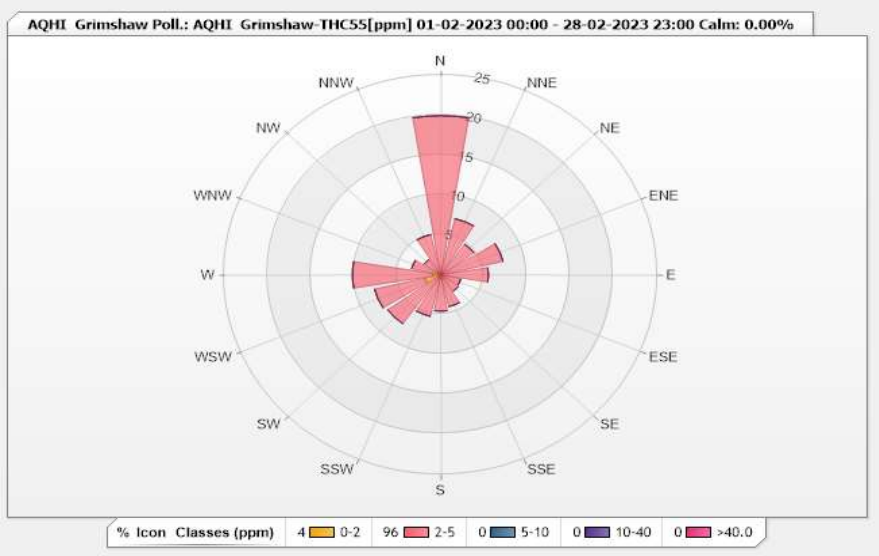


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	19.91	0	0	0	19.91
NNE	0	7.21	0	0	0	7.21
NE	0.16	4.55	0	0	0	4.71
ENE	0	7.37	0	0	0	7.37
E	0	5.49	0	0	0	5.49
ESE	0	2.35	0	0	0	2.35
SE	0	2.51	0	0	0	2.51
SSE	0	4.08	0	0	0	4.08
S	0.47	4.08	0	0	0	4.55
SSW	0.16	5.17	0	0	0	5.33
SW	0.16	7.37	0	0	0	7.53
WSW	1.88	5.96	0	0	0	7.84
W	0.94	9.25	0	0	0	10.19
WNW	0.31	3.13	0	0	0	3.44
NW	0	2.35	0	0	0	2.35
NNW	0	5.17	0	0	0	5.17
Summary	4.08	95.95	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

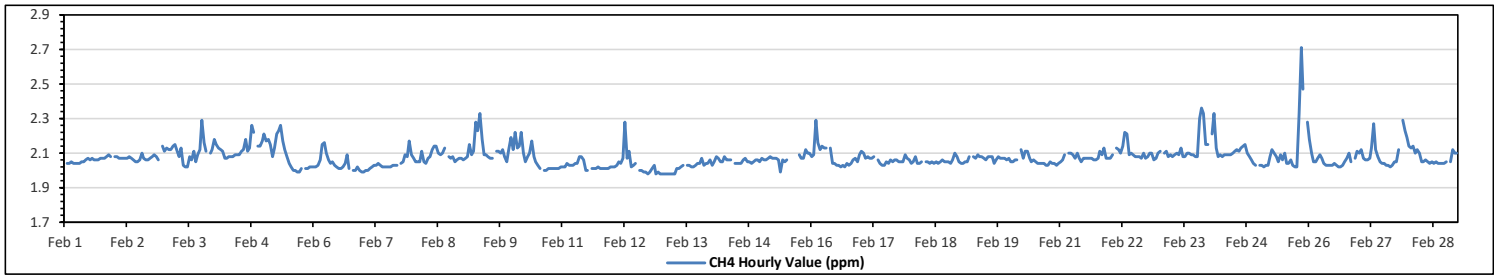
METHANE (CH4) in ppm

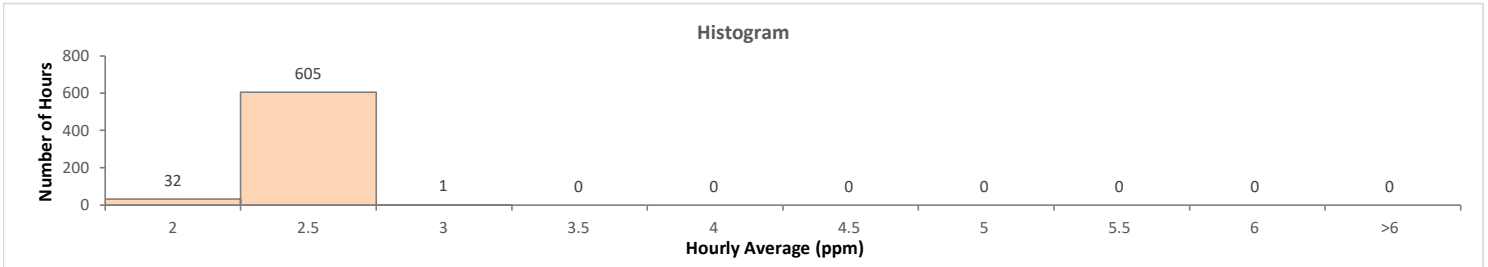
Maximum Hourly Value:	2.71	ppm	on Feb 25 at hr 20	Hours in Service:	672
Maximum Daily Value:	2.13	ppm	on Feb 23	Hours of Data:	638
Minimum Hourly Value:	1.98	ppm	on Feb 12 at hr 17	Hours of Missing Data:	0
Minimum Daily Value:	2.02	ppm	on Feb 13	Hours of Calibration:	34
Monthly Average:	2.07	ppm		Operational 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	S	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.05	2.05	2.06	2.07	2.06	2.07	2.06	2.06	2.06	2.07	2.07	2.07	2.08	2.09	2.08	S	2.04	2.09	2.06
Feb 2	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.06	2.05	2.05	2.06	2.10	2.07	2.06	2.06	2.07	2.08	2.09	2.08	2.06	S	2.14	2.05	2.14	2.07
Feb 3	2.11	2.13	2.12	2.12	2.14	2.15	2.11	2.08	2.13	2.03	2.02	2.02	2.08	2.06	2.11	2.05	2.09	2.12	2.29	2.16	2.11	S	2.10	2.12	2.02	2.29	2.11
Feb 4	2.18	2.15	2.13	2.12	2.11	2.07	2.07	2.08	2.08	2.08	2.09	2.09	2.09	2.11	2.12	2.18	2.11	2.13	2.26	2.22	S	2.14	2.14	2.17	2.07	2.26	2.13
Feb 5	2.21	2.17	2.18	2.15	2.08	2.13	2.21	2.23	2.26	2.17	2.12	2.08	2.04	2.02	2.00	2.00	1.99	1.99	2.01	S	2.01	2.01	2.02	2.02	1.99	2.26	2.09
Feb 6	2.02	2.02	2.03	2.06	2.15	2.16	2.10	2.06	2.04	2.05	2.03	2.02	2.01	2.01	2.02	2.04	2.09	2.01	S	2.00	2.00	2.02	2.00	1.99	1.99	2.16	2.04
Feb 7	1.99	2.00	2.00	2.01	2.02	2.03	2.03	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	S	2.04	2.05	2.09	2.08	2.17	2.09	1.99	2.17	2.04
Feb 8	2.07	2.05	2.05	2.05	2.11	2.05	2.04	2.07	2.08	2.12	2.14	2.14	2.10	2.09	2.10	2.13	S	2.08	2.07	2.08	2.05	2.06	2.07	2.07	2.04	2.14	2.08
Feb 9	2.06	2.07	2.08	2.15	2.09	2.11	2.28	2.23	2.33	2.18	2.09	2.09	2.08	2.07	2.07	S	2.11	2.11	2.10	2.12	2.08	2.05	2.12	2.19	2.05	2.33	2.12
Feb 10	2.12	2.22	2.13	2.14	2.22	2.10	2.05	2.08	2.10	2.17	2.08	2.05	2.03	2.01	S	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.22	2.07
Feb 11	2.02	2.02	2.04	2.03	2.03	2.03	2.04	2.04	2.08	2.08	2.06	2.00	2.00	S	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.00	2.08	2.03
Feb 12	2.02	2.02	2.03	2.05	2.04	2.07	2.28	2.07	2.11	2.02	2.03	2.04	S	2.00	2.00	1.99	1.99	1.98	1.99	2.01	2.03	1.98	1.99	1.98	1.98	2.28	2.03
Feb 13	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.01	2.01	2.02	2.03	S	2.03	2.03	2.02	2.02	2.03	2.04	2.04	2.07	2.03	2.04	2.04	2.06	1.98	2.07	2.02
Feb 14	2.03	2.05	2.08	2.07	2.05	2.05	2.08	2.06	2.06	2.06	S	2.04	2.04	2.04	2.04	2.06	2.07	2.05	2.05	2.04	2.05	2.06	2.06	2.05	2.03	2.08	2.05
Feb 15	2.07	2.06	2.06	2.07	2.08	2.07	2.07	2.07	2.06	1.99	2.06	2.05	2.06	C	C	C	C	C	2.09	2.07	2.07	2.12	2.10	2.10	1.99	2.12	2.07
Feb 16	2.08	2.09	2.29	2.16	2.12	2.14	2.13	2.13	S	2.13	2.04	2.04	2.03	2.03	2.02	2.03	2.02	2.04	2.03	2.04	2.06	2.07	2.05	2.09	2.02	2.29	2.08
Feb 17	2.11	2.10	2.07	2.08	2.07	2.07	2.08	S	2.06	2.04	2.03	2.03	2.05	2.04	2.06	2.05	2.06	2.06	2.05	2.05	2.05	2.09	2.07	2.06	2.03	2.11	2.06
Feb 18	2.04	2.05	2.08	2.04	2.04	2.05	S	2.05	2.05	2.04	2.05	2.04	2.05	2.04	2.05	2.06	2.05	2.05	2.05	2.04	2.06	2.10	2.08	2.05	2.04	2.10	2.05
Feb 19	2.04	2.04	2.05	2.05	2.08	S	2.08	2.07	2.09	2.08	2.08	2.07	2.06	2.08	2.08	2.08	2.04	2.06	2.08	2.07	2.07	2.07	2.06	2.07	2.04	2.09	2.07
Feb 20	2.05	2.05	2.06	2.06	S	2.12	2.07	2.11	2.11	2.07	2.05	2.06	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.05	2.04	2.04	2.03	2.04	2.03	2.12	2.06
Feb 21	2.05	2.06	2.09	S	2.10	2.10	2.09	2.07	2.10	2.07	2.05	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.07	2.11	2.09	2.13	2.07	2.07	2.05	2.13	2.08
Feb 22	2.07	2.09	S	2.13	2.12	2.10	2.14	2.22	2.21	2.09	2.10	2.09	2.08	2.08	2.08	2.07	2.10	2.07	2.08	2.10	2.10	2.06	2.07	2.10	2.06	2.22	2.10
Feb 23	2.11	S	2.10	2.11	2.08	2.09	2.08	2.09	2.10	2.09	2.13	2.08	2.08	2.10	2.10	2.09	2.09	2.08	2.08	2.30	2.36	2.33	2.15	2.15	2.08	2.36	**2.13**
Feb 24	S	2.21	2.33	2.13	2.08	2.09	2.08	2.09	2.09	2.09	2.09	2.10	2.11	2.12	2.11	2.13	2.14	2.15	2.10	2.08	2.06	2.04	2.03	S	2.03	2.33	2.11
Feb 25	2.03	2.03	2.02	2.03	2.03	2.08	2.12	2.10	2.08	2.05	2.09	2.06	2.10	2.04	2.04	2.06	2.03	2.02	2.02	2.33	**2.71**	2.47	S	2.28	2.02	**2.71**	2.12
Feb 26	2.18	2.10	2.05	2.05	2.07	2.09	2.07	2.04	2.03	2.03	2.03	2.03	2.04	2.03	2.02	2.02	2.03	2.05	2.07	2.10	2.05	S	2.07	2.11	2.02	2.18	2.06
Feb 27	2.10	2.12	2.07	2.06	2.06	2.07	2.13	2.27	2.12	2.08	2.05	2.04	2.04	2.03	2.03	2.02	2.03	2.05	2.05	2.12	S	2.29	2.23	2.19	2.02	2.29	2.10
Feb 28	2.14	2.13	2.14	2.10	2.12	2.10	2.05	2.05	2.06	2.05	2.04	2.05	2.04	2.05	2.04	2.04	2.04	2.04	2.05	S	2.05	2.12	2.10	2.10	2.04	2.14	2.07
Diurnal Maximum	2.21	2.22	2.33	2.16	2.22	2.16	2.28	2.27	2.33	2.18	2.14	2.14	2.11	2.12	2.12	2.18	2.14	2.15	2.29	2.33	2.71	2.47	2.23	2.28			
Diurnal Average	2.08	2.08	2.09	2.08	2.08	2.08	2.10	2.09	2.10	2.07	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.06	2.07	2.09	2.09	2.10	2.07	2.09			

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.



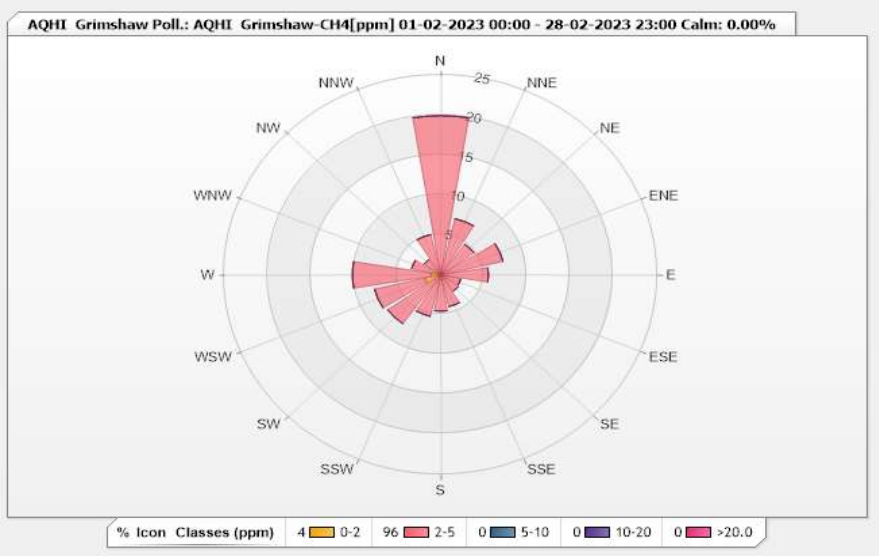


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	19.91	0	0	0	19.91
NNE	0	7.21	0	0	0	7.21
NE	0.16	4.55	0	0	0	4.71
ENE	0	7.37	0	0	0	7.37
E	0	5.49	0	0	0	5.49
ESE	0	2.35	0	0	0	2.35
SE	0	2.51	0	0	0	2.51
SSE	0	4.08	0	0	0	4.08
S	0.63	3.92	0	0	0	4.55
SSW	0.16	5.17	0	0	0	5.33
SW	0.16	7.37	0	0	0	7.53
WSW	1.88	5.96	0	0	0	7.84
W	1.1	9.09	0	0	0	10.19
WNW	0.31	3.13	0	0	0	3.44
NW	0	2.35	0	0	0	2.35
NNW	0	5.17	0	0	0	5.17
Summary	4.4	95.63	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

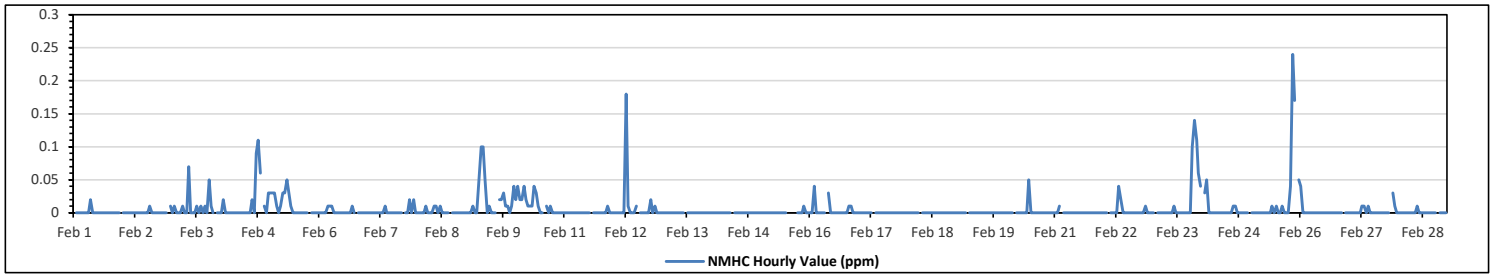
NON-METHANE HYDROCARBONS (NMHC) in ppm

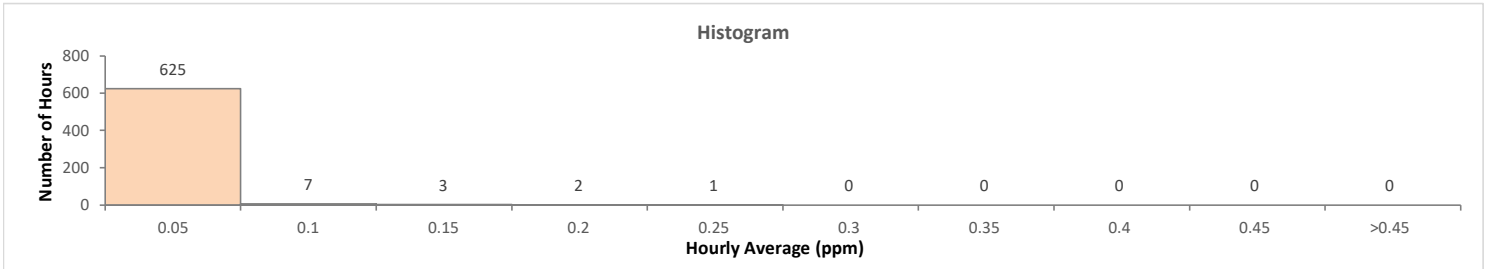
Maximum Hourly Value:	0.24	ppm	on Feb 25 at hr 20	Hours in Service:	672	
Maximum Daily Value:	0.02	ppm	on Feb 25	Hours of Data:	638	
Minimum Hourly Value:	0.00	ppm	on Feb 1 at hr 1	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on Feb 13	Hours of Calibration:	34	
Monthly Average:	0.01	ppm		Operational 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.02	0.00
Feb 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.01	0.00	0.01	0.00
Feb 3	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.05	0.01	0.00	S	0.00	0.00	0.00	0.07	0.01
Feb 4	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.11	0.06	S	0.01	0.00	0.03	0.00	0.11	0.01
Feb 5	0.03	0.03	0.03	0.01	0.00	0.01	0.03	0.03	0.05	0.03	0.01	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	0.05	0.01
Feb 6	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Feb 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.02	0.00
Feb 8	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Feb 9	0.00	0.00	0.00	0.01	0.00	0.00	0.05	0.10	0.10	0.05	0.00	0.01	0.00	0.00	0.00	S	0.02	0.02	0.03	0.01	0.01	0.00	0.01	0.04	0.00	0.10	0.02
Feb 10	0.02	0.04	0.02	0.02	0.04	0.02	0.01	0.01	0.01	0.04	0.03	0.01	0.00	0.00	S	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01
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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00
Feb 12	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.00	0.01	S	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.18	0.01
Feb 13	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 14	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 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	C	C	C	C	C	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00
Feb 16	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	S	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.04	0.00
Feb 17	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 18	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 19	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 20	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
Feb 21	0.00	0.00	0.01	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	0.01	0.00
Feb 22	0.00	0.00	S	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00
Feb 23	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.14	0.11	0.06	0.04	0.00	0.14	0.02
Feb 24	S	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.05	0.00
Feb 25	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	0.00	0.01	0.00	0.00	0.00	0.04	**0.24**	0.17	S	0.05	0.00	**0.24**	**0.02**
Feb 26	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.04	0.00
Feb 27	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.03	0.01	0.00	0.00	0.03	0.00
Feb 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Diurnal Maximum	0.04	0.04	0.05	0.02	0.04	0.02	0.18	0.10	0.10	0.05	0.03	0.05	0.01	0.01	0.01	0.02	0.02	0.09	0.11	0.10	0.24	0.17	0.06	0.05			
Diurnal Average	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	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.



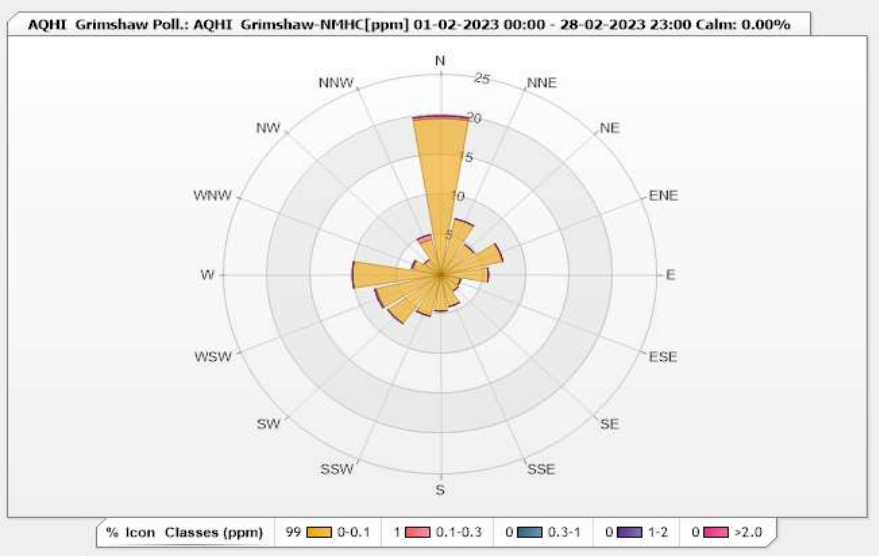


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 94.94% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	19.59	0.31	0	0	0	19.9
NNE	7.21	0	0	0	0	7.21
NE	4.7	0	0	0	0	4.7
ENE	7.37	0	0	0	0	7.37
E	5.49	0	0	0	0	5.49
ESE	2.35	0	0	0	0	2.35
SE	2.51	0	0	0	0	2.51
SSE	4.08	0	0	0	0	4.08
S	4.55	0	0	0	0	4.55
SSW	5.33	0	0	0	0	5.33
SW	7.52	0	0	0	0	7.52
WSW	7.68	0.16	0	0	0	7.84
W	10.19	0	0	0	0	10.19
WNW	3.29	0.16	0	0	0	3.45
NW	2.35	0	0	0	0	2.35
NNW	4.55	0.63	0	0	0	5.18
Summary	98.76	1.26	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

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

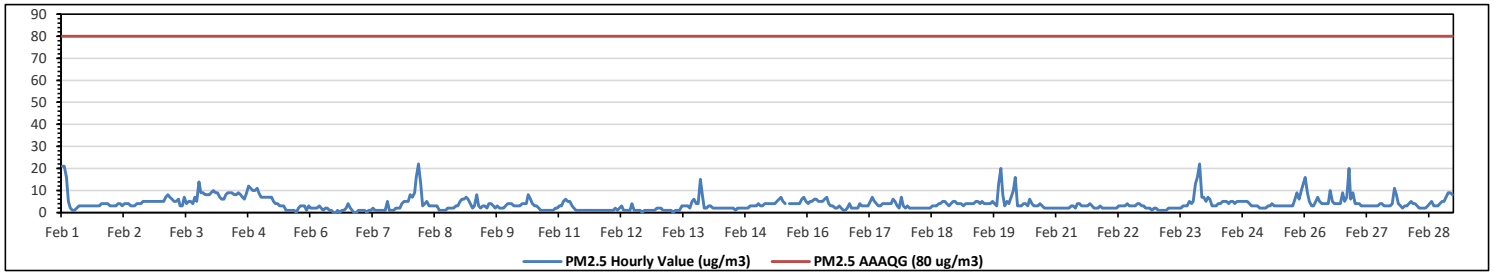
Number of 1-Hour Exceedances: 0 Number of 24-Hour Exceedances: 0

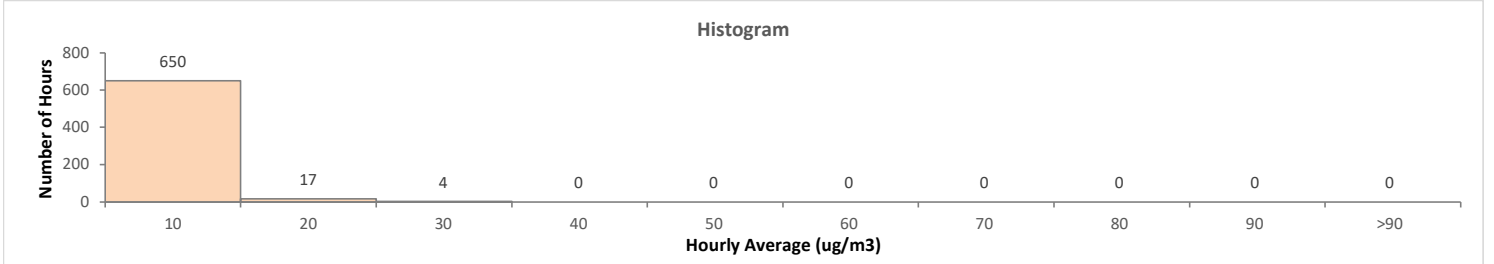
Maximum Hourly Value:	22	µg/m^3 on Feb 8 at hr 4	Hours in Service:	672	
Maximum Daily Value:	8.7	µg/m^3 on Feb 4	Hours of Data:	671	
Minimum Hourly Value:	0	µg/m^3 on Feb 5 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	1	µg/m^3 on Feb 12	Hours of Calibration:	1	
Monthly Average:	3.9	µg/m^3	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	21	21	16	5	2	1	1	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	1	21	5.0
Feb 2	3	3	3	4	4	3	4	4	4	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	3	5	4.1
Feb 3	5	5	7	8	7	6	5	5	6	3	3	7	4	5	5	4	7	5	14	9	9	8	8	8	3	14	6.4
Feb 4	9	10	9	9	7	6	6	8	9	9	9	8	8	9	8	7	6	9	12	11	10	10	11	9	6	12	**8.7**
Feb 5	7	7	7	7	7	7	5	4	4	3	3	3	1	1	1	1	1	0	2	3	3	3	1	3	**0**	7	3.5
Feb 6	2	2	2	2	3	2	1	2	2	1	1	0	0	1	0	1	1	2	4	2	1	0	0	1	**0**	4	1.4
Feb 7	1	1	1	0	1	1	2	1	1	1	1	1	1	5	1	1	1	2	2	2	4	5	5	5	**0**	5	1.9
Feb 8	8	7	9	16	**22**	13	3	4	5	3	3	3	3	3	1	1	1	1	2	2	2	2	3	3	1	**22**	5.0
Feb 9	5	6	6	7	6	4	2	3	8	3	2	3	3	2	4	4	3	2	3	2	2	2	3	4	2	8	3.7
Feb 10	4	4	3	3	3	3	4	4	4	8	6	4	3	3	2	1	1	1	1	1	1	1	2	2	1	8	2.9
Feb 11	3	3	5	6	5	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	2.0
Feb 12	1	1	1	2	1	2	3	1	1	1	1	4	1	1	1	1	0	1	1	1	1	1	1	2	**0**	4	**1.3**
Feb 13	2	2	1	1	1	1	1	0	1	1	1	3	3	3	3	2	5	6	4	4	15	8	2	2	**0**	15	3.0
Feb 14	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	3	3	3	1	3	2.2
Feb 15	4	3	3	4	4	4	4	4	4	5	6	7	5	4	**C**	4	4	4	4	4	4	6	7	5	3	7	4.5
Feb 16	4	5	5	6	6	5	5	5	6	7	4	3	3	2	2	3	2	1	1	2	4	2	2	2	1	7	3.6
Feb 17	2	4	3	3	3	3	5	7	5	4	3	3	4	4	4	4	4	6	5	3	2	7	3	2	2	7	3.9
Feb 18	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	5	5	4	3	4	5	5	2	5	3.0
Feb 19	4	4	4	3	4	4	4	4	4	5	5	4	5	4	4	4	4	5	4	3	13	20	8	3	3	20	5.3
Feb 20	5	4	7	10	16	3	3	3	4	4	3	6	4	3	3	3	4	3	2	2	2	2	2	2	2	16	4.2
Feb 21	2	2	2	2	2	2	2	3	3	2	4	4	3	3	3	3	4	3	2	2	2	3	2	2	2	4	2.6
Feb 22	2	2	2	2	2	2	3	3	3	3	4	3	3	3	3	4	4	3	3	2	2	2	1	2	1	4	2.6
Feb 23	2	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	5	4	5	13	16	**22**	7	7	1	**22**	4.5
Feb 24	5	7	6	3	3	3	4	4	5	5	5	4	5	5	4	5	5	5	5	5	5	4	3	3	3	7	4.5
Feb 25	3	3	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	6	9	6	10	13	2	13	4.1
Feb 26	16	9	5	3	3	5	7	5	4	4	4	4	10	5	4	4	4	4	9	5	7	20	6	9	3	20	6.5
Feb 27	4	4	4	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	11	8	4	3	2	2	11	3.8
Feb 28	3	3	4	5	4	4	3	2	2	2	2	3	4	5	3	3	3	4	5	5	7	9	9	8	2	9	4.3
Diurnal Maximum	21	21	16	16	22	13	7	8	9	9	9	8	10	9	8	7	7	9	14	13	16	22	11	13			
Diurnal Average	4.8	4.6	4.4	4.3	4.5	3.5	3.3	3.3	3.6	3.3	3.2	3.4	3.4	3.3	2.9	3.0	3.2	3.3	4.0	4.1	5.2	5.9	4.2	4.1			

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.



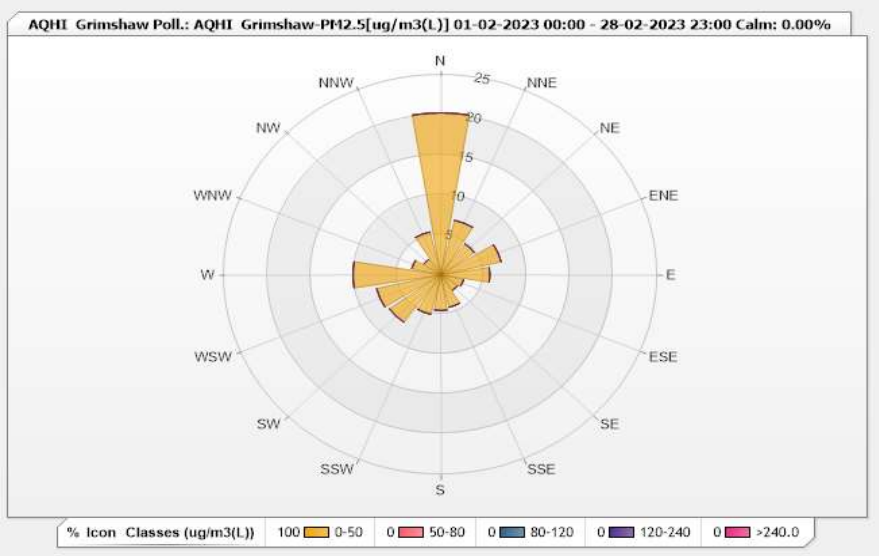


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 02-2023

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

Calm: 0.00% Valid Data: 99.85% Calm Avg: 0.00 [ppm]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	20.27	0	0	0	0	20.27
NNE	7	0	0	0	0	7
NE	4.77	0	0	0	0	4.77
ENE	7.15	0	0	0	0	7.15
E	5.66	0	0	0	0	5.66
ESE	2.68	0	0	0	0	2.68
SE	2.38	0	0	0	0	2.38
SSE	4.17	0	0	0	0	4.17
S	4.47	0	0	0	0	4.47
SSW	5.07	0	0	0	0	5.07
SW	7.3	0	0	0	0	7.3
WSW	7.6	0	0	0	0	7.6
W	10.13	0	0	0	0	10.13
WNW	3.43	0	0	0	0	3.43
NW	2.38	0	0	0	0	2.38
NNW	5.51	0	0	0	0	5.51
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

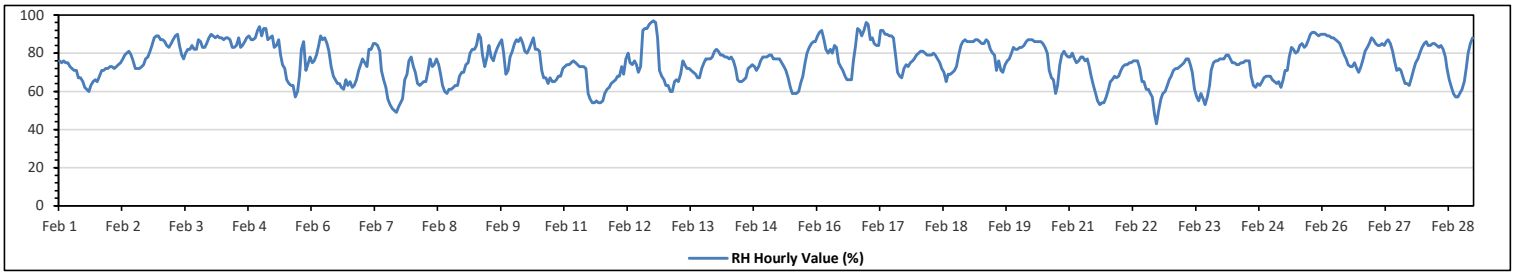
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	97	%	on Feb 12 at hr 18	Hours in Service:	672	
Maximum Daily Value:	87.4	%	on Feb 4	Hours of Data:	672	
Minimum Hourly Value:	43	%	on Feb 22 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	64.8	%	on Feb 22	Hours of Calibration:	0	
Monthly Average:	75.2	%		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	76	75	76	75	75	73	72	71	71	67	67	65	62	61	60	63	65	66	65	68	71	71	72	72	60	76	69.1
Feb 2	73	73	72	73	74	75	77	79	80	81	79	76	72	72	72	73	74	77	78	81	84	88	89	89	72	89	77.5
Feb 3	87	87	86	84	83	85	87	89	90	84	79	77	80	82	82	84	82	82	87	86	83	83	85	88	77	90	84.3
Feb 4	90	89	88	89	88	88	87	88	88	87	83	83	84	88	83	84	86	88	89	87	87	88	92	94	83	94	**87.4**
Feb 5	89	93	93	87	88	89	83	84	87	79	74	72	66	64	63	63	57	60	68	82	86	71	74	78	57	93	77.1
Feb 6	75	76	79	84	89	87	88	85	81	73	68	66	64	64	62	61	66	63	65	62	63	66	71	74	61	89	72.2
Feb 7	77	75	73	82	82	85	85	84	81	71	66	62	56	53	51	50	49	52	54	56	66	69	76	78	49	85	68.0
Feb 8	73	70	64	63	64	65	65	71	77	73	74	77	74	69	63	60	59	61	61	62	63	63	68	70	59	77	67.0
Feb 9	70	74	75	80	82	82	84	90	88	79	73	78	84	78	76	80	83	85	87	80	69	71	78	81	69	90	79.5
Feb 10	85	87	86	88	85	81	80	82	85	88	82	82	81	71	67	67	64	67	65	65	66	68	68	72	64	88	76.3
Feb 11	73	74	74	75	76	75	74	73	73	73	72	59	56	54	54	55	54	54	55	59	61	62	64	65	54	76	65.2
Feb 12	66	68	68	73	69	77	80	75	74	76	74	70	73	92	93	93	95	96	**97**	96	88	71	68	66	66	**97**	79.1
Feb 13	63	63	60	60	65	66	65	69	76	74	72	72	71	70	69	67	67	72	75	77	77	77	78	81	60	81	70.3
Feb 14	82	81	79	79	78	78	77	78	76	72	66	65	65	66	67	72	73	74	73	71	73	76	78	78	65	82	74.0
Feb 15	78	79	79	77	77	77	77	75	73	71	67	62	59	59	59	60	64	68	75	80	83	85	86	86	59	86	73.2
Feb 16	89	91	92	87	82	80	82	80	84	83	75	73	71	68	66	66	66	76	83	93	92	89	92	96	66	96	81.5
Feb 17	95	87	88	85	84	84	92	92	90	90	89	89	88	80	70	68	67	72	74	73	75	76	77	79	67	95	81.8
Feb 18	80	81	81	80	79	79	79	80	79	77	75	72	70	65	69	69	70	71	73	79	84	86	87	86	65	87	77.1
Feb 19	86	86	86	87	87	86	85	85	87	86	82	80	79	71	76	71	70	74	76	77	80	83	82	82	70	87	81.0
Feb 20	83	83	84	86	87	87	87	86	86	86	86	85	83	80	71	67	66	59	63	74	79	81	79	78	59	87	79.4
Feb 21	78	80	77	75	76	78	78	76	77	73	68	63	59	55	53	54	54	57	61	65	66	68	67	68	53	80	67.8
Feb 22	71	73	74	74	75	75	76	76	76	72	65	65	61	61	59	57	48	**43**	50	56	59	60	63	66	**43**	76	**64.8**
Feb 23	68	71	72	72	73	74	75	77	77	74	70	61	57	55	59	56	53	57	63	71	75	76	76	77	53	77	68.3
Feb 24	77	77	79	79	77	75	75	74	74	75	75	76	76	76	68	63	62	64	63	65	67	68	68	68	62	79	71.7
Feb 25	66	65	64	65	62	66	71	71	78	83	82	80	81	84	85	83	84	87	90	91	91	90	89	90	62	91	79.1
Feb 26	90	90	89	89	88	88	87	86	85	82	79	77	74	73	73	75	72	70	73	77	81	83	85	88	70	90	81.4
Feb 27	87	85	84	84	85	84	86	87	85	81	76	71	72	71	67	64	64	63	67	71	75	77	80	83	63	87	77.0
Feb 28	85	86	84	84	85	85	84	83	84	82	78	72	66	62	59	57	57	59	61	65	72	80	85	88	57	88	75.1
Diurnal Maximum	95	93	93	89	89	89	92	92	90	90	89	89	88	92	93	93	95	96	97	96	92	90	92	96			
Diurnal Average	79.0	79.3	78.8	79.1	79.1	79.4	79.9	80.2	80.8	78.3	74.9	72.5	70.9	69.4	67.7	67.2	66.8	68.5	71.1	73.9	75.6	75.9	77.8	79.3			

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

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

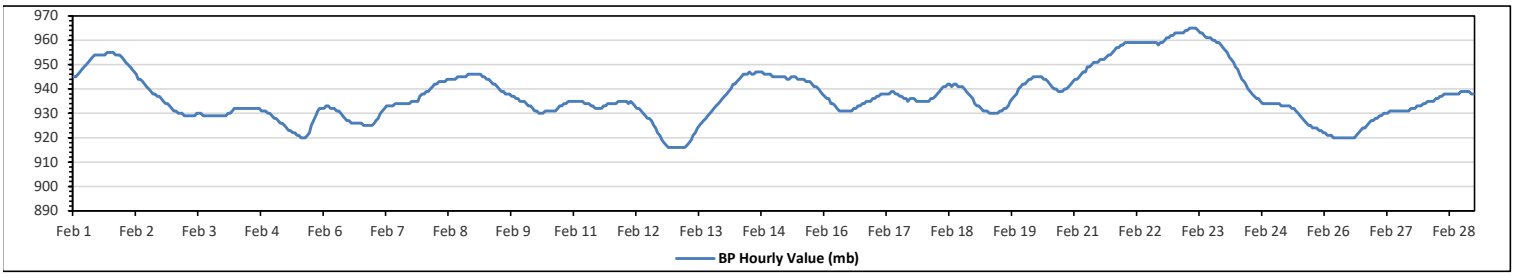
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	965	mb	on Feb 23 at hr 7	Hours in Service:	672	
Maximum Daily Value:	962	mb	on Feb 23	Hours of Data:	672	
Minimum Hourly Value:	916	mb	on Feb 12 at hr 21	Hours of Missing Data:	0	
Minimum Daily Value:	922	mb	on Feb 26	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	945	945	946	947	948	949	950	951	952	953	954	954	954	954	954	954	955	955	955	955	954	954	954	953	945	955	952
Feb 2	952	951	950	949	948	947	946	944	944	943	942	941	940	939	938	938	937	937	936	935	934	934	933	932	932	952	941
Feb 3	931	931	930	930	930	929	929	929	929	929	929	930	930	930	929	929	929	929	929	929	929	929	929	929	929	931	929
Feb 4	929	929	930	930	931	932	932	932	932	932	932	932	932	932	932	932	932	932	931	931	931	930	930	929	929	932	931
Feb 5	928	928	927	926	926	925	924	923	923	922	922	921	921	920	920	920	921	922	925	927	929	931	932	932	920	932	925
Feb 6	932	933	933	932	932	932	931	931	930	929	928	927	927	926	926	926	926	926	926	925	925	925	925	925	925	933	928
Feb 7	926	927	928	930	931	932	933	933	933	933	934	934	934	934	934	934	934	934	935	935	935	935	937	938	926	938	933
Feb 8	938	939	939	940	941	942	942	943	943	943	943	944	944	944	944	944	945	945	945	945	945	946	946	946	938	946	943
Feb 9	946	946	946	946	945	945	944	944	943	942	942	941	940	939	939	938	938	938	937	937	936	936	935	935	935	946	941
Feb 10	935	934	933	933	932	931	931	930	930	930	931	931	931	931	931	931	932	933	933	934	934	935	935	935	930	935	932
Feb 11	935	935	935	935	935	934	934	934	933	933	932	932	932	932	933	933	934	934	934	934	934	935	935	935	932	935	934
Feb 12	935	935	934	935	934	933	932	932	931	930	929	928	928	927	925	924	922	921	919	918	917	**916**	**916**	**916**	**916**	935	927
Feb 13	**916**	**916**	**916**	**916**	**916**	**916**	917	918	919	921	922	924	925	926	927	928	929	930	931	932	933	934	935	936	**916**	936	924
Feb 14	937	938	939	940	942	942	943	944	945	946	946	946	947	946	946	947	947	947	947	946	946	946	946	945	937	947	944
Feb 15	945	945	945	945	945	945	944	944	945	945	945	944	944	944	944	943	943	943	942	941	941	940	939	938	938	945	943
Feb 16	937	936	936	934	934	933	932	931	931	931	931	931	931	931	932	932	933	933	934	934	935	935	935	936	931	937	933
Feb 17	936	937	937	938	938	938	938	938	939	939	938	938	937	937	936	936	935	936	936	936	935	935	935	935	935	939	937
Feb 18	935	935	935	936	936	937	938	939	940	941	941	942	942	941	942	942	941	941	941	940	939	938	937	936	935	942	939
Feb 19	934	933	933	932	931	931	931	930	930	930	930	930	931	931	932	932	933	935	936	937	938	940	941	942	930	942	933
Feb 20	942	943	944	944	945	945	945	945	945	944	944	943	942	941	940	940	939	939	939	940	940	941	942	943	939	945	942
Feb 21	944	944	945	946	947	947	949	949	950	951	951	951	952	952	952	953	954	954	955	956	957	957	958	958	944	958	951
Feb 22	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	958	959	959	960	961	961	962	962	958	962	959
Feb 23	963	963	963	963	963	964	964	**965**	**965**	**965**	**965**	964	963	963	962	961	961	961	960	960	959	959	958	957	957	**965**	**962**
Feb 24	956	955	953	952	951	949	948	946	944	943	942	940	939	938	937	936	936	935	934	934	934	934	934	934	934	956	942
Feb 25	934	934	934	933	933	933	933	933	932	932	931	930	929	928	927	926	925	925	924	924	924	923	923	922	922	934	929
Feb 26	922	921	921	921	920	920	920	920	920	920	920	920	920	920	920	921	922	923	924	924	925	926	927	927	920	927	**922**
Feb 27	928	928	929	929	930	930	930	931	931	931	931	931	931	931	931	931	931	932	932	932	933	933	933	934	928	934	931
Feb 28	934	935	935	935	935	936	936	937	937	938	938	938	938	938	938	938	938	939	939	939	939	939	938	938	934	939	937
Diurnal Maximum	963	963	963	963	963	964	964	965	965	965	965	964	963	963	962	961	961	961	960	960	961	961	962	962			
Diurnal Average	938	938	938	938	938	938	938	938	938	938	938	937	937	937	937	937	937	937	937	937	937	937	938	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

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

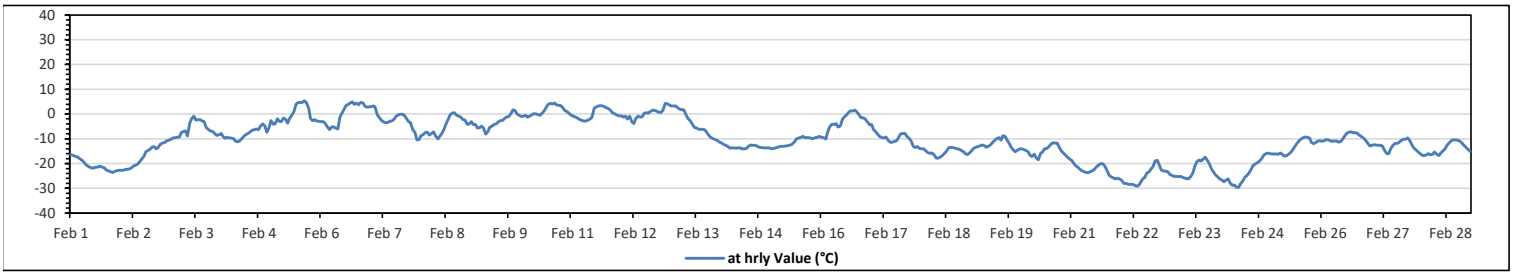
Maximum Hourly Value:	5.3	°C	on Feb 5 at hr 16	Hours in Service:	672	
Maximum Daily Value:	1.3	°C	on Feb 10	Hours of Data:	672	
Minimum Hourly Value:	-29.5	°C	on Feb 24 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-25.0	°C	on Feb 22	Hours of Calibration:	0	
Monthly Average:	-10.3	°C		Operational 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	-16.4	-16.7	-17.1	-17.3	-17.7	-18.5	-19.2	-20.2	-20.9	-21.4	-21.8	-21.9	-21.5	-21.4	-21	-21.4	-21.7	-22.6	-23	-23.2	-23.7	-23.3	-23	-22.7	-23.7	-16.4	-20.7
Feb 2	-22.7	-22.7	-22.4	-22.3	-22.2	-21.8	-21.1	-20.7	-20.2	-19.4	-18.1	-17	-15.3	-14.7	-14.2	-13.3	-13.2	-14	-13.3	-12.3	-11.7	-11.4	-10.8	-10.6	-22.7	-10.6	-16.9
Feb 3	-10.2	-9.7	-9.5	-9.4	-9.3	-7.6	-7.1	-6.8	-8.9	-3.7	-2	-0.8	-2.4	-2.3	-2.3	-2.8	-3.1	-5.5	-6.3	-6.8	-7.1	-7.9	-8.7	-8.4	-10.2	-0.8	-6.2
Feb 4	-7.9	-9	-9.8	-9.4	-9.6	-9.6	-9.9	-11	-11.2	-10.9	-9.9	-8.9	-8.4	-7.8	-7.2	-6.6	-6.3	-6.1	-6.4	-4.9	-4	-4.8	-7.3	-5.8	-11.2	-4.0	-8.0
Feb 5	-2.7	-4.1	-4	-1.9	-2.9	-3.1	-1.7	-2.2	-3.7	-1.8	-0.4	1.1	3.9	4.6	4.7	4.6	**5.3**	4.5	2.2	-1.7	-2.6	-2.3	-2.8	-2.9	-4.1	**5.3**	-0.4
Feb 6	-3.1	-3	-3.7	-5.1	-6.3	-5.3	-5.1	-5.6	-6.1	-1.4	0.4	1.9	3.4	3.9	4.4	4.9	3.9	4.4	3.8	4.7	4.5	3.2	2.7	2.9	-6.3	4.9	0.2
Feb 7	3	3.2	2.8	-0.2	-1.5	-2.5	-3.2	-3.4	-3.4	-2.9	-2.8	-2.1	-0.9	-0.3	-0.1	-0.1	-0.6	-2	-3.1	-3.4	-6.4	-7.4	-10.5	-10.5	-10.5	3.2	-2.4
Feb 8	-8.8	-8.2	-7.4	-7.3	-8.5	-7.8	-7.2	-9	-10.1	-8.9	-7.8	-6	-4	-2.1	-0.2	0.4	0.5	-0.4	-0.9	-1.3	-2.2	-2.4	-4.1	-4.1	-10.1	0.5	-4.9
Feb 9	-3.1	-4.3	-4.3	-5.6	-5.5	-4.9	-5.6	-8.1	-7.1	-5.2	-4.9	-4.3	-4	-3.2	-2.7	-2.5	-1.8	-1.2	-1	0.1	1.8	1.5	0	-0.4	-8.1	1.8	-3.2
Feb 10	-1	-0.8	-0.4	-1.2	-0.8	-0.3	0.1	0	-0.2	-0.4	0.3	1.4	2.8	4	4.3	4.1	4.4	3.7	3.6	3.4	2.5	1.4	1	0.1	-1.2	4.4	**1.3**
Feb 11	-0.4	-0.9	-1.3	-1.7	-2.2	-2.5	-2.8	-2.8	-2.4	-2.1	-1.2	2.3	2.9	3.2	3.4	3.3	2.9	2.4	2.1	1.2	0.4	0	-0.5	-0.7	-2.8	3.4	0.1
Feb 12	-0.7	-1.2	-0.9	-2.1	-0.9	-3.2	-3.8	-1.8	-0.9	-1.3	-1.1	0.2	0.5	0.3	1.1	1.6	1.5	1.2	0.6	0.6	1.6	4.3	4.2	3.7	-3.8	4.3	0.1
Feb 13	3.2	3.2	3.2	2.6	2	1.7	1.8	-0.3	-1.8	-2.6	-4	-5.4	-5.7	-6.2	-6.2	-6.2	-6.5	-7.4	-8.6	-9.5	-9.9	-10.3	-10.7	-11.3	-11.3	3.2	-4.0
Feb 14	-11.6	-12.3	-12.6	-13	-13.8	-13.7	-13.7	-13.8	-13.7	-13.6	-14.1	-14.1	-13.9	-13.1	-12.5	-12.6	-12.6	-12.9	-13.3	-13.5	-13.7	-13.7	-13.7	-13.7	-14.1	-11.6	-13.3
Feb 15	-14	-13.9	-13.6	-13.3	-13.2	-13.1	-13	-12.9	-12.8	-12.5	-12.1	-11.2	-10.1	-9.7	-9.5	-9	-9.5	-9.5	-9.5	-9.8	-9.9	-9.5	-9.4	-9	-14.0	-9.0	-11.3
Feb 16	-9.4	-9.5	-10.1	-7.1	-5.1	-4.2	-4.3	-3.9	-5.2	-4.9	-2.1	-1.1	-0.3	0.7	1.3	1.2	1.6	0.8	-0.3	-1.5	-1.6	-2.1	-3.2	-4.4	-10.1	1.6	-3.1
Feb 17	-4.3	-6.3	-7.2	-8.4	-9.1	-9.5	-9.6	-9.3	-10.7	-11.5	-11.3	-11.1	-10.8	-9.3	-8	-7.8	-7.8	-9.1	-9.8	-11.1	-13.1	-13.5	-13.2	-13.9	-13.9	-4.3	-9.8
Feb 18	-14	-14.1	-14.9	-15.6	-15.9	-15.7	-16.7	-17.8	-17.7	-17.4	-16.7	-15.9	-15	-13.5	-13.5	-13.5	-13.8	-14	-14.2	-14.7	-15.3	-16	-16.4	-15.7	-17.8	-13.5	-15.3
Feb 19	-14.7	-13.8	-13.3	-13.2	-12.9	-12.5	-12.8	-13.3	-13	-12.5	-11.4	-10.7	-9.9	-9.5	-10.6	-8.8	-9	-10.7	-11.9	-13.3	-14.6	-15.2	-14.6	-14	-15.2	-8.8	-12.3
Feb 20	-14	-14.3	-14.7	-15.2	-16.7	-17.2	-16.2	-17.8	-18.4	-15.9	-15.4	-14.1	-13.9	-13.2	-12.3	-11.6	-11.7	-11.7	-13.3	-15	-15.9	-16.7	-17.4	-18.1	-18.4	-11.6	-15.0
Feb 21	-18.9	-20	-20.9	-21.6	-22.3	-22.9	-23.4	-23.7	-23.8	-23.2	-22.8	-22.1	-21.3	-20.5	-19.9	-20.1	-21.3	-23	-24.6	-25.5	-25.8	-26.2	-26	-26.3	-26.3	-18.9	-22.8
Feb 22	-26.8	-28	-28.1	-28.4	-28.5	-28.4	-28.6	-29.1	-28.9	-27.7	-26.2	-25.7	-23.9	-23.4	-22.2	-21.3	-19	-18.7	-20.6	-22.5	-23	-23.1	-23.3	-24.3	-29.1	-18.7	**-25.0**
Feb 23	-24.8	-25.1	-25.2	-25.3	-25.2	-25.5	-25.8	-26.1	-26.3	-25.3	-23.8	-21	-19.4	-18.6	-19	-18.2	-17.5	-18.7	-20.2	-22.1	-23.5	-24.6	-25.3	-26.3	-26.3	-17.5	-23.0
Feb 24	-26.7	-27.4	-26.7	-26.3	-28	-28.8	-28.6	**-29.5**	**-29.5**	-28.2	-26.9	-25.5	-24.9	-23.9	-22.3	-20.8	-20.1	-19.7	-19	-18.2	-16.7	-16	-15.7	-16	**-29.5**	-15.7	-23.6
Feb 25	-16.1	-16.1	-16.1	-16.3	-15.7	-16.2	-17.1	-16.8	-16.2	-15.6	-14.5	-13.1	-11.8	-10.9	-10.1	-9.5	-9.2	-9.4	-9.8	-11.4	-12	-11.5	-11	-10.9	-17.1	-9.2	-13.2
Feb 26	-11	-10.8	-10.3	-10.5	-10.8	-11.1	-10.8	-11	-11.3	-11.1	-9.9	-8.8	-7.7	-7.3	-7.2	-7.6	-7.5	-7.9	-8.7	-9.1	-9.8	-10.7	-11.9	-12.9	-12.9	-7.2	-9.8
Feb 27	-12.7	-12.4	-12.5	-12.6	-12.6	-12.9	-14.7	-16	-16	-14	-12.6	-11.9	-11.9	-11.4	-10.7	-10.2	-10.2	-9.7	-10.6	-12.1	-13.7	-14.4	-15.2	-15.9	-16.0	-9.7	-12.8
Feb 28	-16.6	-16.8	-16.5	-16	-16.5	-16.2	-15.4	-16.2	-16.8	-15.8	-15	-14.1	-12.6	-11.6	-10.7	-10.4	-10.4	-10.6	-11	-11.6	-12.5	-13.4	-14.3	-15.1	-16.8	-10.4	-14.0
Diurnal Maximum	3.2	3.2	3.2	2.6	2.0	1.7	1.8	0.0	-0.2	-0.4	0.4	2.3	3.9	4.6	4.7	4.9	5.3	4.5	3.8	4.7	4.5	4.3	4.2	3.7			
Diurnal Average	-10.9	-11.3	-11.3	-11.6	-11.8	-11.9	-12.0	-12.5	-12.8	-11.8	-11.0	-10.0	-9.1	-8.5	-8.0	-7.7	-7.6	-8.1	-8.8	-9.4	-9.9	-10.2	-10.8	-11.0			

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

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

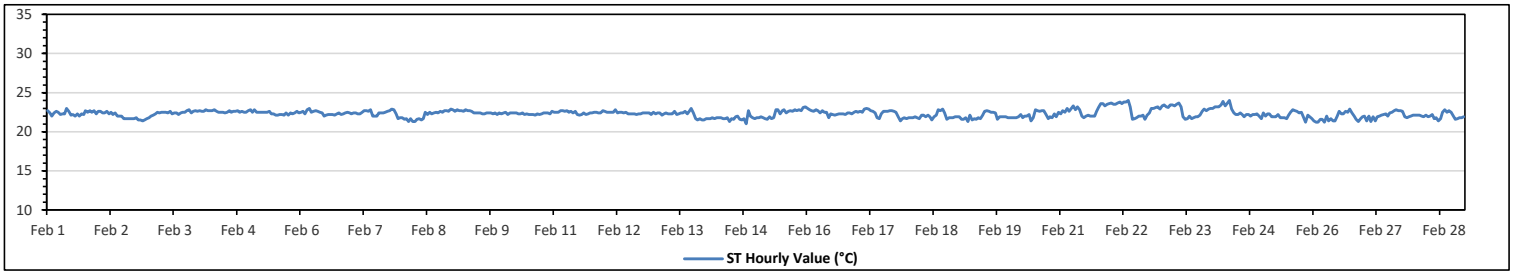
Maximum Hourly Value:	24.0	°C	on Feb 22 at hr 8	Hours in Service:	672	
Maximum Daily Value:	22.9	°C	on Feb 22	Hours of Data:	672	
Minimum Hourly Value:	21.0	°C	on Feb 14 at hr 19	Hours of Missing Data:	0	
Minimum Daily Value:	21.7	°C	on Feb 14	Hours of Calibration:	0	
Monthly Average:	22.3	°C		Operational 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	22.7	22.4	22.0	22.4	22.6	22.5	22.2	22.3	22.3	23.0	22.6	22.1	22.2	22.0	22.3	22.0	22.3	22.2	22.7	22.5	22.7	22.5	22.7	22.3	22.0	23.0	22.4
Feb 2	22.6	22.6	22.4	22.4	22.6	22.3	22.5	22.2	22.4	22.0	22.0	22.0	21.7	21.7	21.7	21.7	21.7	21.7	21.8	21.5	21.5	21.4	21.5	21.7	21.4	22.6	22.0
Feb 3	21.8	22.0	22.1	22.3	22.5	22.4	22.5	22.5	22.5	22.4	22.6	22.3	22.4	22.4	22.2	22.4	22.5	22.5	22.7	22.8	22.4	22.6	22.7	22.6	21.8	22.8	22.4
Feb 4	22.7	22.6	22.6	22.8	22.7	22.7	22.7	22.8	22.6	22.5	22.5	22.5	22.4	22.5	22.7	22.5	22.6	22.6	22.7	22.5	22.6	22.5	22.5	22.7	22.4	22.8	22.6
Feb 5	22.8	22.5	22.8	22.5	22.5	22.5	22.5	22.5	22.5	22.6	22.3	22.3	22.1	22.1	22.2	22.2	22.1	22.4	22.1	22.4	22.3	22.4	22.6	22.4	22.1	22.8	22.4
Feb 6	22.5	22.6	22.3	22.8	23.0	22.5	22.6	22.7	22.6	22.5	22.4	22.0	22.1	22.2	22.2	22.2	22.1	22.3	22.4	22.2	22.3	22.4	22.5	22.4	22.0	23.0	22.4
Feb 7	22.3	22.4	22.4	22.3	22.3	22.5	22.7	22.7	22.6	22.8	22.0	22.0	22.0	22.4	22.4	22.4	22.5	22.6	22.7	22.9	22.8	22.3	21.7	21.8	21.7	22.9	22.4
Feb 8	21.8	21.6	21.7	21.3	21.7	21.3	21.3	21.6	21.7	21.5	21.7	22.5	22.2	22.5	22.3	22.4	22.5	22.4	22.6	22.5	22.7	22.7	22.6	22.9	21.3	22.9	22.1
Feb 9	22.8	22.6	22.8	22.7	22.7	22.6	22.8	22.7	22.7	22.6	22.4	22.4	22.4	22.4	22.3	22.3	22.4	22.4	22.4	22.3	22.4	22.2	22.4	22.3	22.2	22.8	22.5
Feb 10	22.4	22.5	22.2	22.4	22.4	22.4	22.4	22.3	22.3	22.4	22.2	22.3	22.2	22.2	22.2	22.1	22.3	22.2	22.3	22.4	22.4	22.4	22.3	22.6	22.1	22.6	22.3
Feb 11	22.5	22.5	22.5	22.7	22.7	22.6	22.7	22.5	22.6	22.4	22.6	22.2	22.1	22.2	22.4	22.2	22.3	22.4	22.4	22.5	22.5	22.4	22.4	22.7	22.1	22.7	22.5
Feb 12	22.6	22.5	22.5	22.5	22.5	22.8	22.4	22.5	22.5	22.4	22.5	22.3	22.3	22.3	22.3	22.2	22.3	22.3	22.4	22.4	22.4	22.4	22.2	22.5	22.2	22.8	22.4
Feb 13	22.3	22.4	22.4	22.1	22.3	22.4	22.3	22.3	22.3	22.6	22.2	22.3	22.4	22.4	22.6	22.3	22.6	23.0	22.4	21.7	21.5	21.7	21.5	21.5	21.5	23.0	22.2
Feb 14	21.7	21.7	21.7	21.8	21.7	21.8	21.8	21.8	21.7	21.7	21.8	21.3	21.7	21.6	21.9	22.0	21.6	21.5	21.7	**21.0**	22.7	22.0	21.8	21.7	**21.0**	22.7	**21.7**
Feb 15	21.8	21.8	21.9	21.8	21.7	21.6	21.9	21.7	21.8	22.8	22.8	22.3	22.7	22.8	22.4	22.6	22.7	22.6	22.8	22.7	22.8	22.7	23.1	23.2	21.6	23.2	22.4
Feb 16	23.0	22.8	22.7	22.6	22.8	22.7	22.4	22.7	22.5	22.5	21.8	22.3	22.2	22.1	22.2	22.3	22.3	22.3	22.2	22.4	22.4	22.3	22.5	22.6	21.8	23.0	22.4
Feb 17	22.5	22.6	22.5	22.9	23.0	22.9	22.7	22.6	22.4	21.8	21.7	22.3	22.6	22.6	22.6	22.7	22.7	22.6	22.5	21.9	21.4	21.7	21.8	21.7	21.4	23.0	22.4
Feb 18	21.8	21.8	21.8	21.9	21.8	21.7	22.1	22.1	21.9	22.1	21.9	21.5	21.9	22.1	22.8	22.7	22.9	22.4	21.6	21.8	21.8	21.8	21.9	21.9	21.5	22.9	22.0
Feb 19	21.9	21.6	21.6	21.8	21.3	22.1	21.5	21.7	21.6	21.8	21.7	22.1	22.6	22.7	22.6	22.5	22.5	22.4	21.6	21.9	21.9	21.9	21.9	21.8	21.3	22.7	22.0
Feb 20	21.8	21.8	21.8	21.8	21.9	22.2	21.8	22.0	22.0	22.2	21.4	21.8	22.8	22.7	22.6	22.7	22.7	22.2	21.7	21.9	21.8	22.3	21.9	22.5	21.4	22.8	22.1
Feb 21	22.3	22.7	22.5	23.0	22.6	23.0	23.3	22.8	23.2	22.8	22.0	21.8	22.0	22.1	22.0	22.0	22.0	22.6	23.1	23.6	23.6	23.3	23.5	23.6	21.8	23.6	22.7
Feb 22	23.7	23.5	23.5	23.7	23.8	23.6	23.8	23.8	**24.0**	23.2	21.6	21.7	21.8	22.0	22.0	22.1	21.6	22.1	22.4	23.0	23.0	23.1	23.2	22.9	21.6	**24.0**	**22.9**
Feb 23	23.3	23.4	23.2	23.1	23.4	23.4	23.3	23.5	23.7	23.2	21.9	21.6	21.7	22.0	21.7	21.8	21.9	21.9	22.1	22.6	22.9	22.7	22.9	23.0	21.6	23.7	22.7
Feb 24	23.0	23.2	23.2	23.2	23.4	23.9	23.3	23.7	**24.0**	22.9	22.4	22.2	22.2	22.4	22.2	21.9	22.2	22.2	22.0	22.2	22.2	22.3	22.0	21.7	21.7	**24.0**	22.7
Feb 25	22.4	22.0	22.3	22.3	21.9	21.9	21.9	22.2	21.8	21.8	21.8	21.7	22.1	22.5	22.8	22.7	22.6	22.4	22.5	21.9	21.2	22.1	21.9	21.7	21.2	22.8	22.1
Feb 26	21.4	21.2	21.2	21.6	21.6	21.2	22.0	21.4	21.7	21.4	21.4	22.0	22.6	22.3	22.3	22.6	22.5	22.9	22.4	22.0	21.6	21.3	21.7	21.9	21.2	22.9	21.8
Feb 27	22.0	21.4	22.0	21.3	21.9	21.4	21.9	22.0	22.1	22.2	22.3	22.0	22.4	22.5	22.7	22.8	22.7	22.7	22.6	21.9	21.8	21.9	22.0	22.1	21.3	22.8	22.1
Feb 28	22.1	22.1	22.1	22.0	21.9	22.1	21.9	22.0	22.2	21.7	21.8	21.4	21.7	22.5	22.8	22.5	22.7	22.5	22.0	21.6	21.7	21.8	21.8	21.9	21.4	22.8	22.0
Diurnal Maximum	23.7	23.5	23.5	23.7	23.8	23.9	23.8	23.8	24.0	23.2	22.8	22.5	22.8	22.8	22.8	22.8	22.9	23.0	23.1	23.6	23.6	23.3	23.5	23.6			
Diurnal Average	22.4	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.1	22.0	22.2	22.3	22.3	22.3	22.4	22.4	22.3	22.3	22.3	22.3	22.3	22.3			

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

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

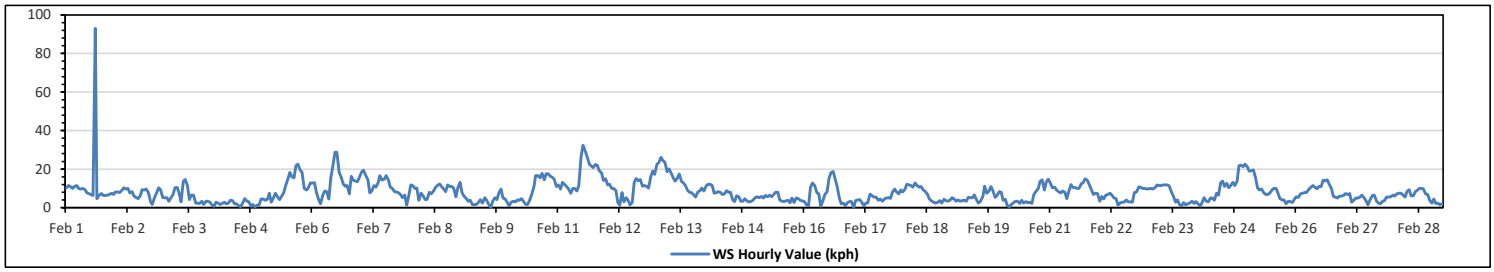
VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	93.0	kph	on Feb 1 at hr 14	Hours in Service:	672	
Maximum Daily Value:	16.9	kph	on Feb 11	Hours of Data:	672	
Minimum Hourly Value:	0.2	kph	on Feb 17 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	2.3	kph	on Feb 4	Hours of Calibration:	0	
Monthly Average:	8.3	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	10.4	11.6	10.9	10.0	10.9	11.6	10.0	9.7	10.1	9.4	7.7	7.4	6.9	6.3	**93.0**	4.7	6.6	7.3	6.3	6.4	6.5	6.8	7.6	6.9	4.7	**93.0**	11.9
Feb 2	8.2	8.2	7.8	9.0	10.4	9.8	10.0	7.7	8.4	6.1	5.4	4.8	6.3	9.4	9.3	9.8	7.9	3.1	1.7	5.2	7.9	10.4	9.4	5.1	1.7	10.4	7.6
Feb 3	5.1	5.3	3.4	5.0	6.9	10.3	10.5	7.5	3.1	13.6	14.7	11.6	4.2	6.6	6.5	2.5	2.4	2.2	3.3	1.7	3.3	3.5	2.9	1.4	1.4	14.7	5.7
Feb 4	0.8	2.9	2.4	1.8	2.2	2.9	2.0	2.5	3.8	3.7	2.1	2.1	1.1	0.5	2.2	4.8	3.6	3.1	0.7	1.8	0.4	1.4	1.4	4.5	0.4	4.8	**2.3**
Feb 5	4.5	3.8	4.4	7.5	2.8	5.1	7.6	5.6	4.2	5.9	7.9	11.4	15.0	18.3	16.1	15.4	21.9	22.6	19.7	18.4	10.0	9.1	10.1	12.9	2.8	22.6	10.8
Feb 6	12.9	13.0	8.1	4.2	2.1	6.5	8.7	8.4	4.5	15.4	22.2	28.7	28.7	18.5	15.9	12.3	11.2	11.6	7.2	16.4	14.4	13.9	13.5	15.9	2.1	28.7	13.1
Feb 7	18.5	19.4	16.9	14.6	7.7	8.8	11.4	10.7	13.0	16.7	14.3	14.8	16.7	14.3	10.7	10.1	8.4	8.2	7.8	7.0	5.1	6.6	1.4	5.7	1.4	19.4	11.2
Feb 8	11.9	11.5	10.1	10.2	3.9	7.6	6.0	4.3	4.4	8.0	7.2	8.8	10.5	11.4	12.4	11.0	9.7	8.3	11.8	11.1	10.9	10.2	5.7	10.3	3.9	12.4	9.1
Feb 9	13.1	7.9	6.1	4.9	3.5	3.8	1.8	1.5	1.8	2.8	4.2	2.5	5.2	3.9	1.5	0.3	3.4	5.3	4.3	7.6	9.8	5.0	4.5	3.0	0.3	13.1	4.5
Feb 10	1.2	2.8	3.4	3.1	4.1	3.8	4.8	3.3	1.7	1.7	3.7	7.1	11.1	16.6	16.7	15.5	17.9	14.6	17.7	17.7	16.4	15.8	14.8	11.1	1.2	17.9	9.4
Feb 11	11.9	9.7	13.1	12.2	11.0	9.7	7.5	10.0	10.0	8.6	11.6	26.2	32.4	30.0	26.4	22.7	21.9	20.9	22.4	22.0	19.2	18.2	14.1	15.0	7.5	32.4	**16.9**
Feb 12	11.9	12.2	10.0	10.0	8.9	2.7	1.4	7.9	3.1	5.3	3.9	1.5	2.7	13.0	15.2	14.0	14.7	11.2	11.5	11.2	10.2	16.1	18.9	17.2	1.4	18.9	9.8
Feb 13	22.4	23.4	26.1	24.4	23.6	18.6	20.1	17.9	15.4	13.9	15.3	17.5	13.6	12.9	11.4	9.0	8.1	7.9	6.7	5.6	8.2	8.9	10.2	8.7	5.6	26.1	14.6
Feb 14	11.3	12.2	12.2	11.4	7.6	7.9	8.4	8.1	6.9	7.2	8.9	8.1	8.0	4.1	3.2	6.2	5.8	3.3	3.4	4.7	3.6	3.1	3.2	4.1	3.1	12.2	6.8
Feb 15	5.1	5.7	5.2	5.9	5.0	6.3	5.7	6.5	5.7	6.9	8.1	8.1	4.1	3.5	3.2	3.6	3.9	2.6	5.0	2.7	5.0	4.6	3.8	3.6	2.6	8.1	5.0
Feb 16	3.2	1.6	1.1	10.5	12.9	11.4	7.8	7.2	0.6	3.7	6.9	8.4	15.3	18.2	18.8	14.9	10.6	5.3	2.0	2.5	1.0	2.6	3.2	3.2	0.6	18.8	7.2
Feb 17	**0.2**	3.7	4.1	4.3	2.8	1.2	2.5	2.6	7.1	6.2	5.5	5.5	3.9	4.5	3.3	4.5	5.0	5.3	4.9	8.0	9.6	8.2	7.2	9.2	**0.2**	9.6	5.0
Feb 18	8.2	9.5	12.2	11.9	11.4	10.7	12.8	11.6	10.7	11.0	9.4	8.3	7.0	4.6	3.6	2.9	2.4	2.8	3.7	2.4	4.4	3.7	3.5	3.9	2.4	12.8	7.2
Feb 19	5.1	4.5	3.5	4.0	3.4	3.7	3.9	3.4	5.4	5.3	5.3	6.7	4.1	2.4	3.6	6.0	11.2	7.5	8.7	11.1	8.9	5.4	6.4	8.4	2.4	11.2	5.7
Feb 20	8.1	3.8	4.4	1.1	0.5	1.8	2.6	3.3	3.4	2.2	3.8	2.3	3.2	2.6	2.9	2.2	7.0	8.5	10.0	13.5	14.5	9.2	13.4	14.8	0.5	14.8	5.8
Feb 21	12.7	10.3	10.7	9.3	8.4	7.7	8.6	8.0	4.7	8.4	12.0	10.6	10.5	10.1	10.1	12.3	13.3	15.1	14.3	11.7	9.4	7.0	7.5	7.4	4.7	15.1	10.0
Feb 22	3.5	5.9	4.5	6.5	6.8	7.6	6.5	5.2	4.6	1.4	2.6	3.0	2.9	4.0	3.1	3.1	3.0	7.8	8.2	10.8	10.7	10.0	10.1	9.8	1.4	10.8	5.9
Feb 23	9.9	10.1	9.7	10.6	11.9	11.6	11.5	11.8	11.8	11.9	11.3	8.2	6.1	2.9	4.1	1.8	0.9	2.7	1.5	2.1	2.4	3.3	2.2	3.2	0.9	11.9	6.8
Feb 24	2.0	0.9	2.7	5.1	3.5	3.1	5.0	5.0	3.9	7.6	6.5	13.0	13.9	11.0	12.6	10.4	11.4	13.2	11.6	13.6	21.8	22.2	21.3	22.7	0.9	22.7	10.2
Feb 25	21.3	19.1	19.2	19.7	15.6	10.3	9.2	9.6	7.9	6.9	6.9	7.5	9.2	10.1	10.1	7.6	4.6	4.0	4.0	2.1	3.4	3.2	2.7	4.4	2.1	21.3	9.1
Feb 26	5.7	5.4	7.2	7.5	7.9	7.9	9.5	10.7	11.6	10.7	9.9	10.9	11.1	14.3	13.8	14.6	12.2	10.0	5.9	5.5	5.0	6.1	6.0	6.4	5.0	14.6	9.0
Feb 27	7.3	6.9	7.3	2.9	3.9	5.0	5.0	5.6	6.6	5.3	3.5	1.5	4.3	6.3	6.6	3.5	2.4	2.1	3.3	3.7	5.5	5.5	5.8	6.6	1.5	7.3	4.9
Feb 28	6.1	7.2	7.6	7.6	6.5	5.5	8.4	9.4	6.2	6.2	8.4	9.0	10.1	10.0	9.9	7.2	6.8	3.8	2.4	4.5	2.2	2.3	1.5	2.1	1.5	10.1	6.3
Diurnal Maximum	22.4	23.4	26.1	24.4	23.6	18.6	20.1	17.9	15.4	16.7	22.2	28.7	32.4	30.0	93.0	22.7	21.9	22.6	22.4	22.0	21.8	22.2	21.3	22.7			
Diurnal Average	8.7	8.5	8.4	8.4	7.4	7.2	7.5	7.3	6.5	7.6	8.2	9.1	9.6	9.7	12.4	8.3	8.5	7.9	7.5	8.3	8.2	7.9	7.6	8.1			

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.

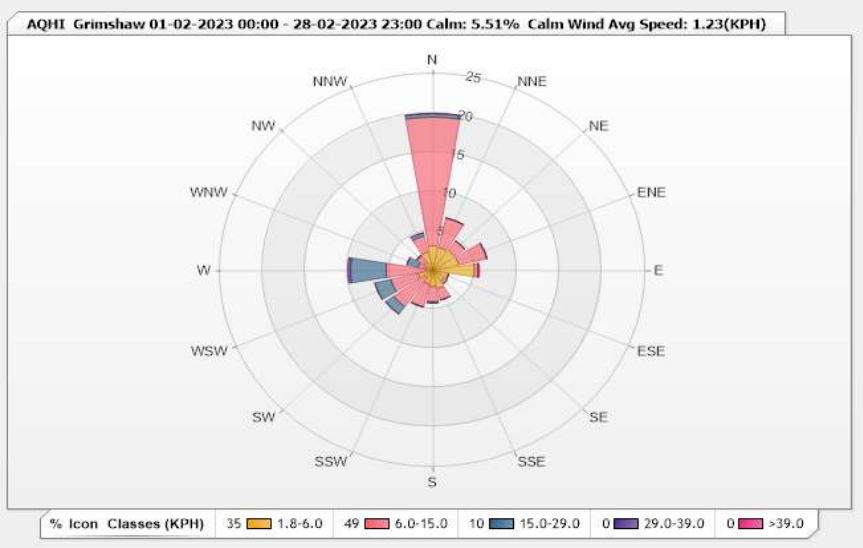


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 02-2023

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

Calm (WS<1.8kph): 5.51% 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	3.13	16.37	0.45	0	0	19.95
NNE	2.98	3.87	0	0	0	6.85
NE	3.13	1.49	0	0	0	4.62
ENE	3.13	3.42	0	0	0	6.55
E	4.91	0.45	0	0	0.15	5.51
ESE	1.93	0	0	0	0	1.93
SE	1.64	0.45	0	0	0	2.09
SSE	2.38	1.49	0	0	0	3.87
S	2.08	1.93	0.15	0	0	4.16
SSW	1.79	2.98	0	0	0	4.77
SW	1.19	4.46	1.19	0	0	6.84
WSW	1.79	3.27	1.93	0	0	6.99
W	0.74	4.76	4.17	0.3	0	9.97
WNW	0.89	0.89	1.34	0	0	3.12
NW	1.19	1.04	0.15	0	0	2.38
NNW	2.38	2.08	0.45	0	0	4.91
Summary	35.28	48.95	9.83	0.3	0.15	94.51



Peace River Area Monitoring Program

AQHI - Grimshaw Station - February 2023

Summary of Hourly Averages

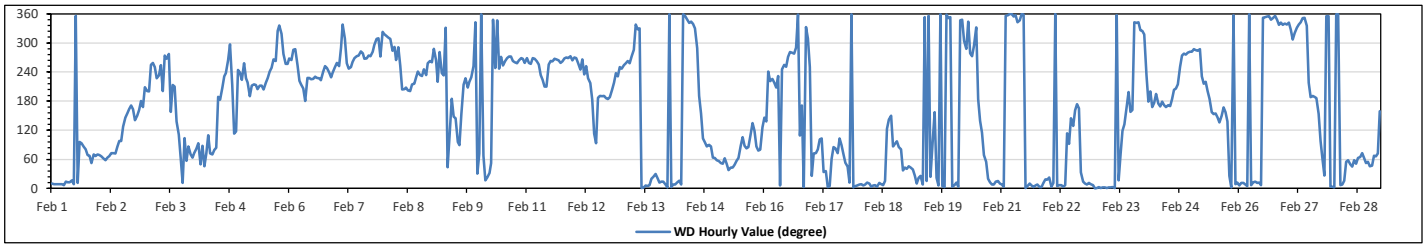
WIND DIRECTION (VWD) in sector

Monthly Average:	339 (NNW) degree	Hours in Service:	672
		Hours of Data:	672
		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	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	N	N	NNE	E	E	E	E	ENE	ENE	NE	ENE	ENE	ENE	36	NE
Feb 2	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	SE	SE	SSE	SSE	S	SSE	SE	SSE	SSE	S	SSE	SSW	116	ESE
Feb 3	SSW	SSW	WSW	WSW	WSW	SW	SW	WSW	SSW	W	W	W	SSE	SSW	SSW	SE	ESE	ENE	NNE	ESE	ENE	E	ENE	ENE	204	SSW
Feb 4	ENE	E	E	NE	E	NE	ENE	ESE	ENE	ENE	ENE	E	S	S	SSW	SW	SW	W	WNW	SSW	ESE	ESE	WSW	WSW	119	ESE
Feb 5	SW	WSW	SW	SW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	NW	NNW	NW	W	WSW	WSW	239	WSW
Feb 6	W	W	WNW	WNW	WSW	SW	SSW	SSW	S	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	237	SW
Feb 7	WSW	WSW	WNW	NNW	NW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	WNW	NW	NW	W	NW	279	W
Feb 8	NW	NW	NW	NW	WNW	WNW	W	WNW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	SW	WSW	SW	WSW	W	250	WSW
Feb 9	WSW	WNW	W	SW	W	SW	SW	NNW	NE	ESE	S	SE	SE	E	E	SSE	SSW	SW	SSW	SW	SW	WSW	NNW	NNE	221	SW
Feb 10	ENE	N	ENE	NNE	NNE	NNE	NE	NNW	WSW	NNW	WSW	W	WSW	W	W	W	W	W	WSW	WSW	W	W	W	WSW	294	WNW
Feb 11	W	WSW	WSW	W	W	W	WSW	SW	SW	SSW	SSW	WSW	W	W	W	W	W	WSW	W	W	W	W	W	W	257	WSW
Feb 12	W	W	WSW	WSW	W	SW	WSW	SW	SW	S	ESE	E	S	S	S	S	S	S	S	SSW	SW	SW	SW	WSW	216	SW
Feb 13	WSW	WSW	WSW	W	WSW	W	WNW	NNW	NNW	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	341	NNW
Feb 14	N	N	N	N	NNE	NNE	N	N	N	NNW	NNW	NNW	NNW	NNW	WNW	S	SSE	ESE	E	E	E	E	ENE	ENE	22	NNE
Feb 15	ENE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	ENE	ENE	E	ESE	E	E	E	ESE	SE	ESE	E	ENE	E	SE	75	ENE
Feb 16	SE	SE	WSW	SW	SW	SW	SSW	SW	N	WSW	WSW	WSW	W	W	W	W	WNW	N	ESE	S	N	NNW	NW	WSW	255	WSW
Feb 17	NNE	ENE	ENE	E	E	ESE	NE	NE	N	N	ENE	E	E	ENE	ESE	E	ENE	NE	NE	NNE	N	N	N	N	51	NE
Feb 18	N	N	N	N	NNE	N	N	N	N	N	NNE	N	N	NNE	ESE	SE	SSE	E	E	E	E	E	NE	NE	38	NE
Feb 19	NE	NE	NE	NE	NNE	N	NNE	NNE	N	N	NNE	N	NNE	E	SSE	NNE	N	N	N	N	N	N	N	N	19	NNE
Feb 20	N	NNE	N	NNW	NNW	WNW	WNW	NNW	W	W	WNW	NNW	S	SE	ESE	ENE	NE	NNE	NNE	N	N	NNE	NNE	N	357	N
Feb 21	N	N	N	N	N	N	N	N	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NNE	2	N
Feb 22	NNE	N	NNE	N	N	N	N	N	N	ESE	E	SE	SE	SSE	S	SSE	NNE	NNE	N	N	NNE	N	N	N	30	NNE
Feb 23	N	N	N	N	N	N	N	N	N	N	N	NNE	ENE	ESE	SE	SSE	SSW	SSE	SSE	NNW	NNW	NNW	NW	NW	8	N
Feb 24	NW	SW	S	SSW	SSE	S	SSW	S	SSE	S	S	SSE	S	SSE	S	SSW	SSW	SSW	WSW	W	W	W	W	W	209	SSW
Feb 25	W	WNW	WNW	WNW	WNW	SW	SW	SW	SSW	S	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SE	NNE	N	N	N	NNE	201	SSW
Feb 26	N	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW	358	N
Feb 27	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNW	SW	S	S	S	S	SSE	E	ENE	NNE	N	N	N	N	342	NNW
Feb 28	N	N	N	N	N	NNE	NE	ENE	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	SSE	47	NE

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 2023

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	93.0	kph	on Feb 1 at hr 14	Hours in Service:	672
Maximum Daily Value:	16.9	kph	on Feb 11	Hours of Data:	672
Minimum Hourly Value:	0.2	kph	on Feb 17 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	2.3	kph	on Feb 4	Hours of Calibration:	0
Monthly Average:	8.3	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 339 degree (NNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Feb 1	10.4	11.6	10.9	10.0	10.9	11.6	10.0	9.7	10.1	9.4	7.7	7.4	6.9	6.3	**93.0**	4.7	6.6	7.3	6.3	6.4	6.5	6.8	7.6	6.9	4.7	**93.0**	11.9
	N	N	N	N	N	N	N	NNE	NNE	NNE	NNE	N	N	NNE	E	E	E	E	ENE	ENE	NE	ENE	ENE	ENE			
Feb 2	8.2	8.2	7.8	9.0	10.4	9.8	10.0	7.7	8.4	6.1	5.4	4.8	6.3	9.4	9.3	9.8	7.9	3.1	1.7	5.2	7.9	10.4	9.4	5.1	1.7	10.4	7.6
	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	SE	SE	SSE	SSE	S	SSE	SE	SSE	SSE	S	SSE	SSW			
Feb 3	5.1	5.3	3.4	5.0	6.9	10.3	10.5	7.5	3.1	13.6	14.7	11.6	4.2	6.6	6.5	2.5	2.4	2.2	3.3	1.7	3.3	3.5	2.9	1.4	1.4	14.7	5.7
	SSW	SSW	WSW	WSW	WSW	SW	SW	WSW	SSW	W	W	W	SSE	SSW	SSW	SE	ESE	ENE	NNE	ESE	ENE	E	ENE	ENE			
Feb 4	0.8	2.9	2.4	1.8	2.2	2.9	2.0	2.5	3.8	3.7	2.1	2.1	1.1	0.5	2.2	4.8	3.6	3.1	0.7	1.8	0.4	1.4	1.4	4.5	0.4	4.8	**2.3**
	ENE	E	E	NE	E	NE	ENE	ESE	ENE	ENE	ENE	E	S	S	SSW	SW	SW	W	WNW	SSW	ESE	ESE	WSW	WSW			
Feb 5	4.5	3.8	4.4	7.5	2.8	5.1	7.6	5.6	4.2	5.9	7.9	11.4	15.0	18.3	16.1	15.4	21.9	22.6	19.7	18.4	10.0	9.1	10.1	12.9	2.8	22.6	10.8
	SW	WSW	SW	SW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	W	NW	NNW	NW	W	WSW	WSW			
Feb 6	12.9	13.0	8.1	4.2	2.1	6.5	8.7	8.4	4.5	15.4	22.2	28.7	28.7	18.5	15.9	12.3	11.2	11.6	7.2	16.4	14.4	13.9	13.5	15.9	2.1	28.7	13.1
	W	W	WNW	WNW	WSW	SW	SSW	SSW	S	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW			
Feb 7	18.5	19.4	16.9	14.6	7.7	8.8	11.4	10.7	13.0	16.7	14.3	14.8	16.7	14.3	10.7	10.1	8.4	8.2	7.8	7.0	5.1	6.6	1.4	5.7	1.4	19.4	11.2
	WSW	WSW	WNW	NNW	NW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	WNW	NW	NW	W	NW			
Feb 8	11.9	11.5	10.1	10.2	3.9	7.6	6.0	4.3	4.4	8.0	7.2	8.8	10.5	11.4	12.4	11.0	9.7	8.3	11.8	11.1	10.9	10.2	5.7	10.3	3.9	12.4	9.1
	NW	NW	NW	NW	WNW	WNW	W	WNW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	SW	SW	WSW	SW	WSW	W			
Feb 9	13.1	7.9	6.1	4.9	3.5	3.8	1.8	1.5	1.8	2.8	4.2	2.5	5.2	3.9	1.5	0.3	3.4	5.3	4.3	7.6	9.8	5.0	4.5	3.0	0.3	13.1	4.5
	WSW	WNW	W	SW	W	SW	SW	NNW	NE	ESE	S	SE	SE	E	E	SSE	SSW	SW	SSW	SW	SW	WSW	NNW	NNE			
Feb 10	1.2	2.8	3.4	3.1	4.1	3.8	4.8	3.3	1.7	1.7	3.7	7.1	11.1	16.6	16.7	15.5	17.9	14.6	17.7	17.7	16.4	15.8	14.8	11.1	1.2	17.9	9.4
	ENE	N	ENE	NNE	NNE	NNE	NE	NNW	WSW	NNW	WSW	W	WSW	W	W	W	W	W	WSW	WSW	W	W	W	WSW			
Feb 11	11.9	9.7	13.1	12.2	11.0	9.7	7.5	10.0	10.0	8.6	11.6	26.2	32.4	30.0	26.4	22.7	21.9	20.9	22.4	22.0	19.2	18.2	14.1	15.0	7.5	32.4	**16.9**
	W	WSW	WSW	W	W	W	WSW	SW	SW	SSW	SSW	WSW	W	W	W	W	W	WSW	W	W	W	W	W	W			
Feb 12	11.9	12.2	10.0	10.0	8.9	2.7	1.4	7.9	3.1	5.3	3.9	1.5	2.7	13.0	15.2	14.0	14.7	11.2	11.5	11.2	10.2	16.1	18.9	17.2	1.4	18.9	9.8
	W	W	WSW	WSW	W	SW	WSW	SW	SW	S	ESE	E	S	S	S	S	S	S	S	SSW	SW	SW	SW	WSW			
Feb 13	22.4	23.4	26.1	24.4	23.6	18.6	20.1	17.9	15.4	13.9	15.3	17.5	13.6	12.9	11.4	9.0	8.1	7.9	6.7	5.6	8.2	8.9	10.2	8.7	5.6	26.1	14.6
	WSW	WSW	WSW	W	WSW	W	WNW	NNW	NNW	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N			
Feb 14	11.3	12.2	12.2	11.4	7.6	7.9	8.4	8.1	6.9	7.2	8.9	8.1	8.0	4.1	3.2	6.2	5.8	3.3	3.4	4.7	3.6	3.1	3.2	4.1	3.1	12.2	6.8
	N	N	N	N	NNE	NNE	N	N	N	NNW	NNW	NNW	NNW	NNW	WNW	S	SSE	ESE	E	E	E	E	ENE	ENE			
Feb 15	5.1	5.7	5.2	5.9	5.0	6.3	5.7	6.5	5.7	6.9	8.1	8.1	4.1	3.5	3.2	3.6	3.9	2.6	5.0	2.7	5.0	4.6	3.8	3.6	2.6	8.1	5.0
	ENE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	ENE	ENE	E	ESE	E	E	E	ESE	SE	ESE	E	ENE	E	SE			
Feb 16	3.2	1.6	1.1	10.5	12.9	11.4	7.8	7.2	0.6	3.7	6.9	8.4	15.3	18.2	18.8	14.9	10.6	5.3	2.0	2.5	1.0	2.6	3.2	3.2	0.6	18.8	7.2
	SE	SE	WSW	SW	SW	SW	SSW	SW	N	WSW	WSW	WSW	W	W	W	W	WNW	N	ESE	S	N	NNW	NW	WSW			
Feb 17	**0.2**	3.7	4.1	4.3	2.8	1.2	2.5	2.6	7.1	6.2	5.5	5.5	3.9	4.5	3.3	4.5	5.0	5.3	4.9	8.0	9.6	8.2	7.2	9.2	**0.2**	9.6	5.0
	NNE	ENE	ENE	E	E	ESE	NE	NE	N	N	ENE	E	E	ENE	ESE	E	ENE	NE	NE	NNE	N	N	N	N			
Feb 18	8.2	9.5	12.2	11.9	11.4	10.7	12.8	11.6	10.7	11.0	9.4	8.3	7.0	4.6	3.6	2.9	2.4	2.8	3.7	2.4	4.4	3.7	3.5	3.9	2.4	12.8	7.2
	N	N	N	N	NNE	N	N	N	N	N	NNE	N	N	NNE	ESE	SE	SSE	E	E	E	E	E	NE	NE			
Feb 19	5.1	4.5	3.5	4.0	3.4	3.7	3.9	3.4	5.4	5.3	5.3	6.7	4.1	2.4	3.6	6.0	11.2	7.5	8.7	11.1	8.9	5.4	6.4	8.4	2.4	11.2	5.7
	NE	NE	NE	NE	NNE	N	NNE	NNE	N	N	NNE	N	NNE	E	SSE	NNE	N	N	N	N	N	N	N	N			
Feb 20	8.1	3.8	4.4	1.1	0.5	1.8	2.6	3.3	3.4	2.2	3.8	2.3	3.2	2.6	2.9	2.2	7.0	8.5	10.0	13.5	14.5	9.2	13.4	14.8	0.5	14.8	5.8
	N	NNE	N	NNW	NNW	WNW	WNW	NNW	W	W	WNW	NNW	S	SE	ESE	ENE	NE	NNE	NNE	N	N	NNE	NNE	N			
Feb 21	12.7	10.3	10.7	9.3	8.4	7.7	8.6	8.0	4.7	8.4	12.0	10.6	10.5	10.1	10.1	12.3	13.3	15.1	14.3	11.7	9.4	7.0	7.5	7.4	4.7	15.1	10.0
	N	N	N	N	N	N	N	N	NNW	NNW	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	NNE			
Feb 22	3.5	5.9	4.5	6.5	6.8	7.6	6.5	5.2	4.6	1.4	2.6	3.0	2.9	4.0	3.1	3.1	3.0	7.8	8.2	10.8	10.7	10.0	10.1	9.8	1.4	10.8	5.9
	NNE	N	NNE	N	N	N	N	N	N	ESE	E	SE	SE	SSE	S	SSE	NNE	NNE	N	N	NNE	N	N	N			
Feb 23	9.9	10.1	9.7	10.6	11.9	11.6	11.5	11.8	11.8	11.9	11.3	8.2	6.1	2.9	4.1	1.8	0.9	2.7	1.5	2.1	2.4	3.3	2.2	3.2	0.9	11.9	6.8
	N	N	N	N	N	N	N	N	N	N	N	NNE	ENE	ESE	SE	SSE	SSW	SSE	SSE	NNW	NNW	NNW	NW	NW			
Feb 24	2.0	0.9	2.7	5.1	3.5	3.1	5.0	5.0	3.9	7.6	6.5	13.0	13.9	11.0	12.6	10.4	11.4	13.2	11.6	13.6	21.8	22.2	21.3	22.7	0.9	22.7	10.2
	NW	SW	S	SSW	SSE	S	SSW	S	SSE	S	S	SSE	S	SSE	S	SSW	SSW	SSW	WSW	W	W	W	W	W			
Feb 25	21.3	19.1	19.2	19.7	15.6	10.3	9.2	9.6	7.9	6.9	6.9	7.5	9.2	10.1	10.1	7.6	4.6	4.0	4.0	2.1	3.4	3.2	2.7	4.4	2.1	21.3	9.1
	W	WNW	WNW	WNW	WNW	SW	SW	SW	SSW	S	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SE	NNE	N	N	N	NNE			
Feb 26	5.7	5.4	7.2	7.5	7.9	7.9	9.5	10.7	11.6	10.7	9.9	10.9	11.1	14.3	13.8	14.6	12.2	10.0	5.9	5.5	5.0	6.1	6.0	6.4	5.0	14.6	9.0
	N	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NNE	N	N	N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW			
Feb 27	7.3	6.9	7.3	2.9	3.9	5.0	5.0	5.6	6.6	5.3	3.5	1.5	4.3	6.3	6.6	3.5	2.4	2.1	3.3	3.7	5.5	5.5	5.8	6.6	1.5	7.3	4.9
	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNW	SW	S	S	S	S	SSE	E	ENE	NNE	N	N	N	N			
Feb 28	6.1	7.2	7.6	7.6	6.5	5.5	8.4	9.4	6.2	6.2	8.4	9.0	10.1	10.0	9.9	7.2	6.8	3.8	2.4	4.5	2.2	2.3	1.5	2.1	1.5	10.1	6.3
	N	N	N	N	N	NNE	NE	ENE	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	SSE			

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, 139 of 139, ends the February 2023 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring Calibration Report

- 842b STATION-

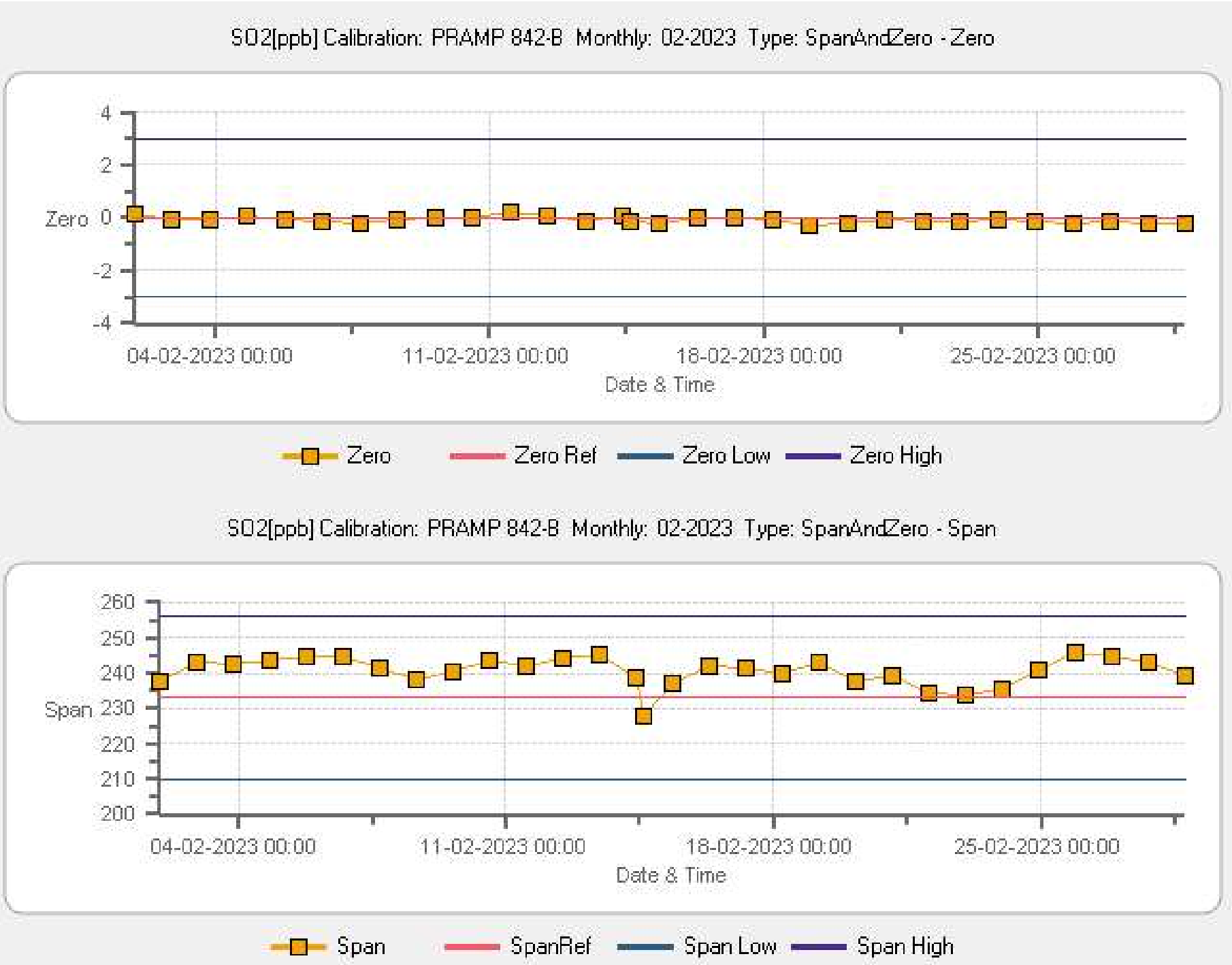
CAL-PRAMP-202302-01561

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

March 10, 2023

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS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-4
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11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High
SO2[ppb] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Span
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250
240
Span 230
220
210
200
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
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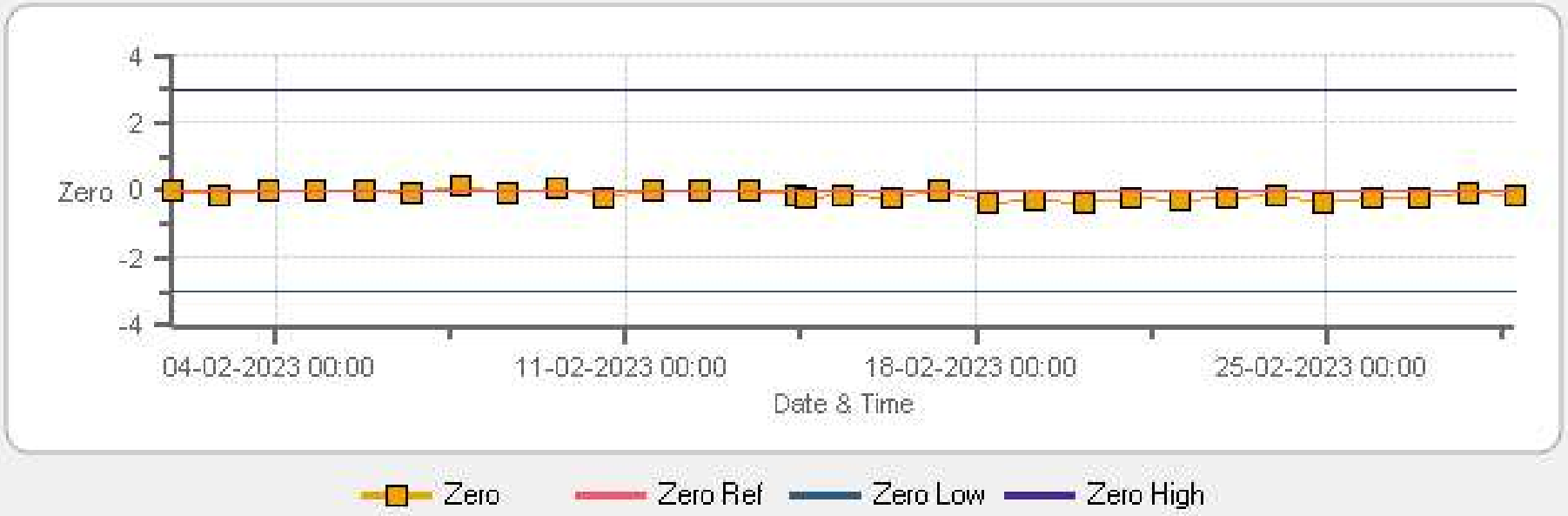
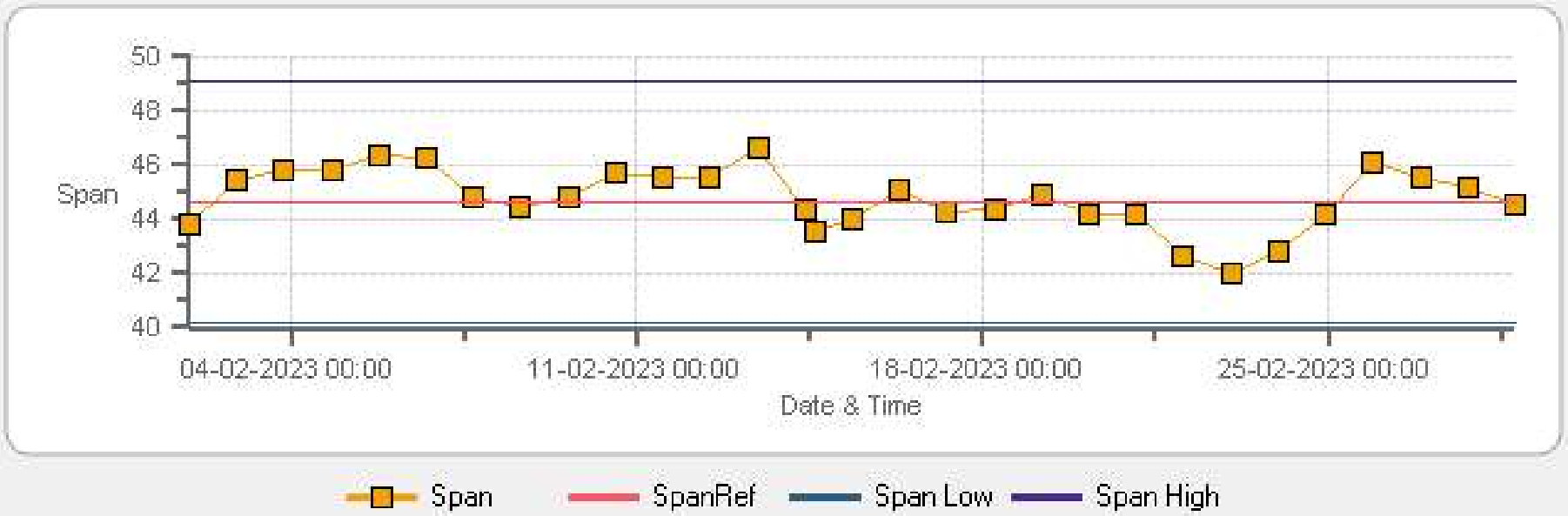
Date & Time
Span
SpanRef
Span Low
Span High

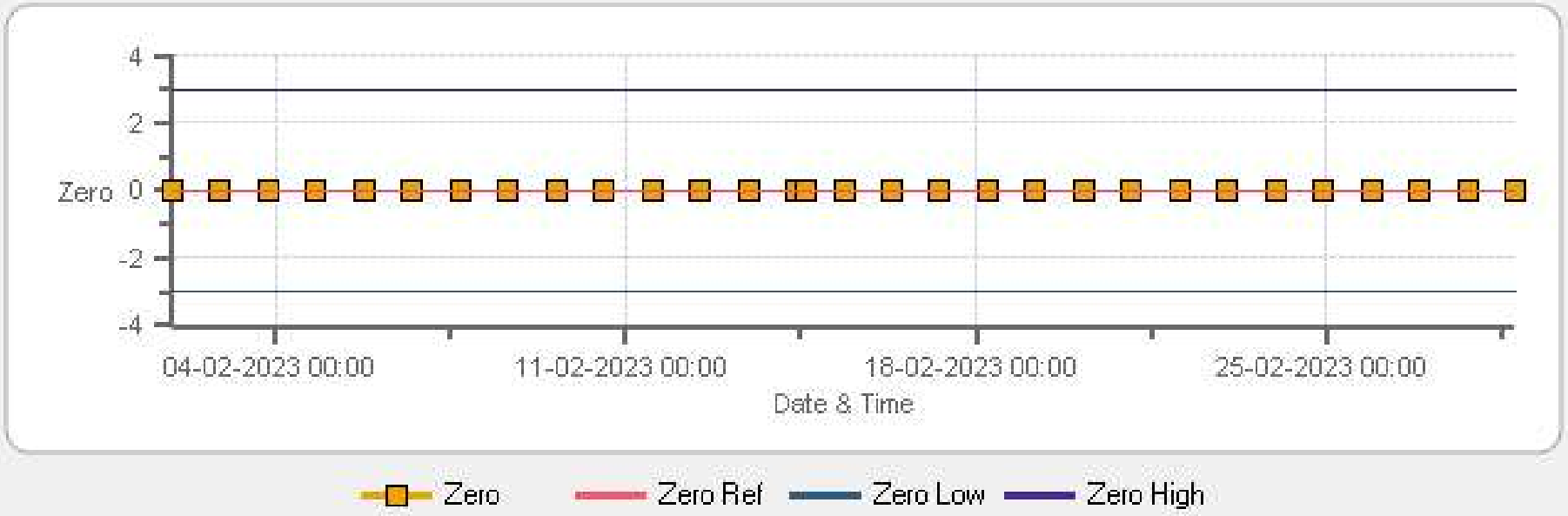
TRS[ppb] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Zero



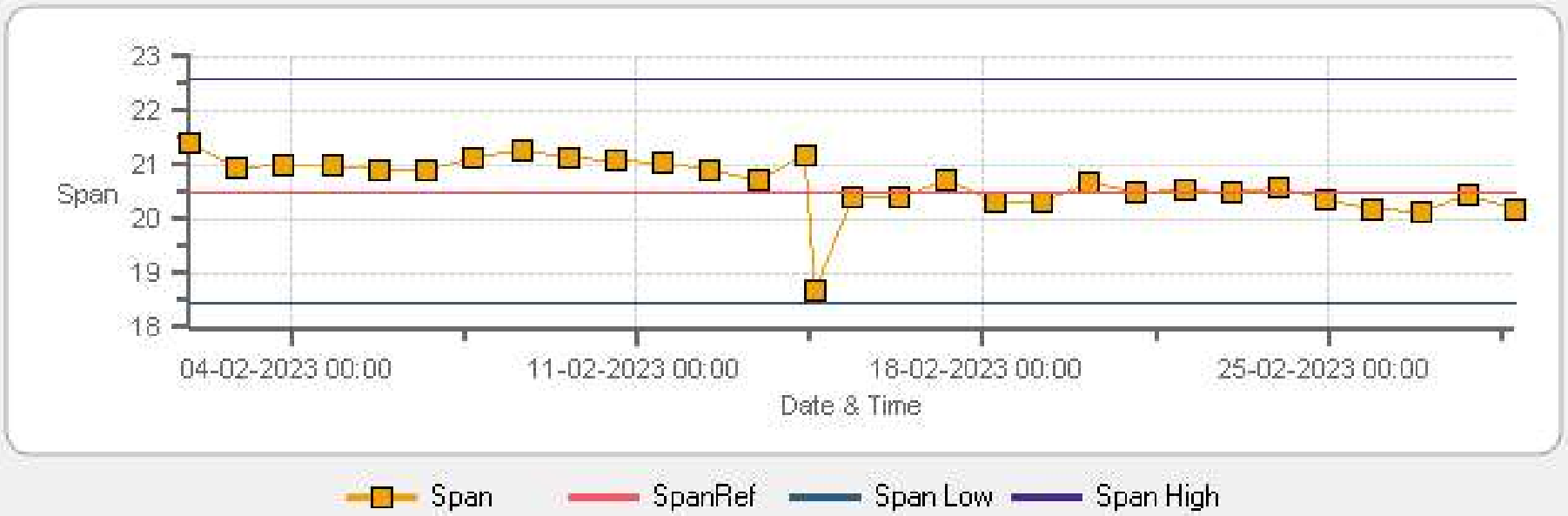
TRS[ppb] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Span



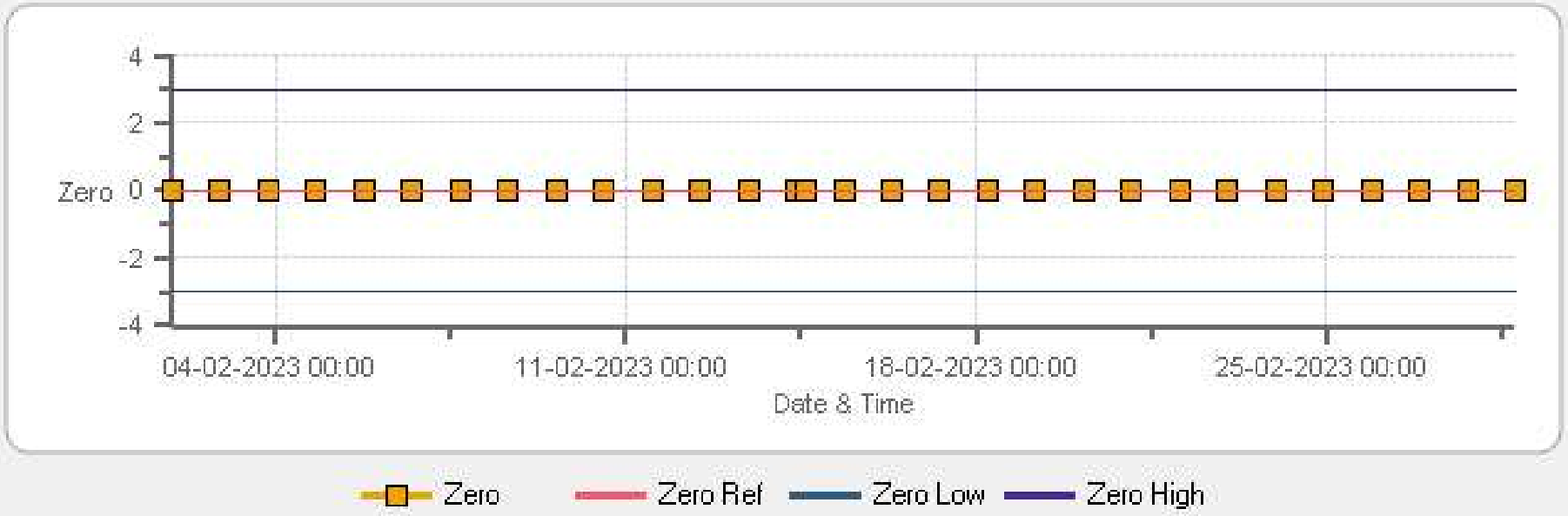
THC55[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Zero



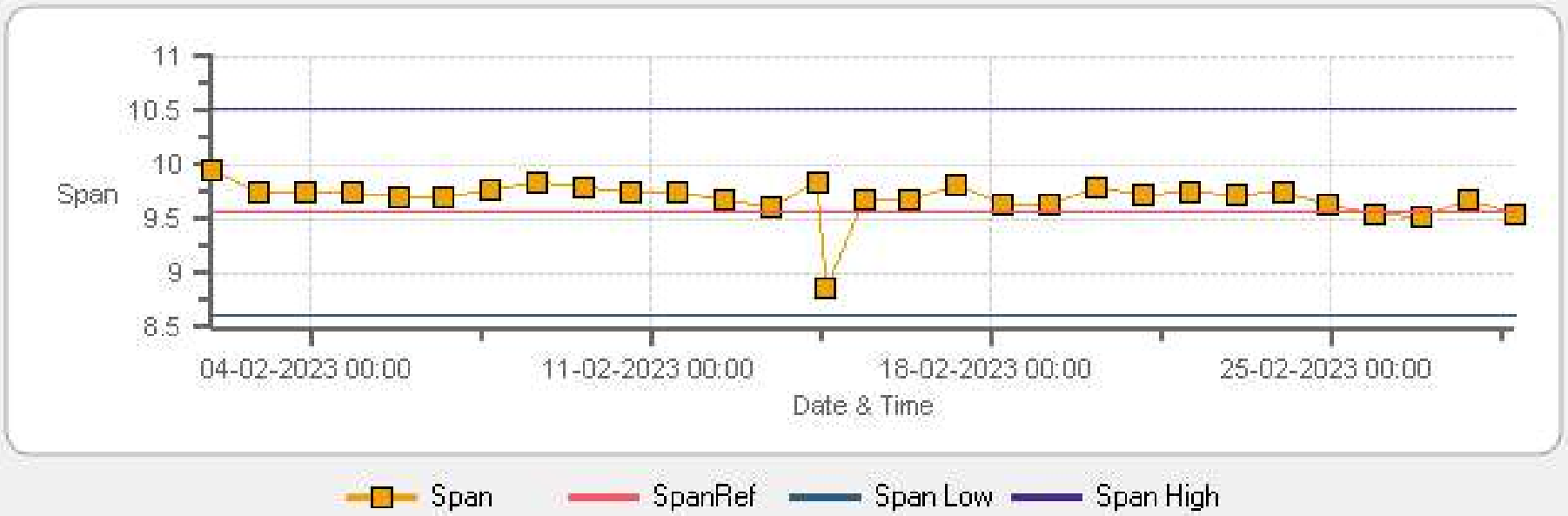
THC55[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Span



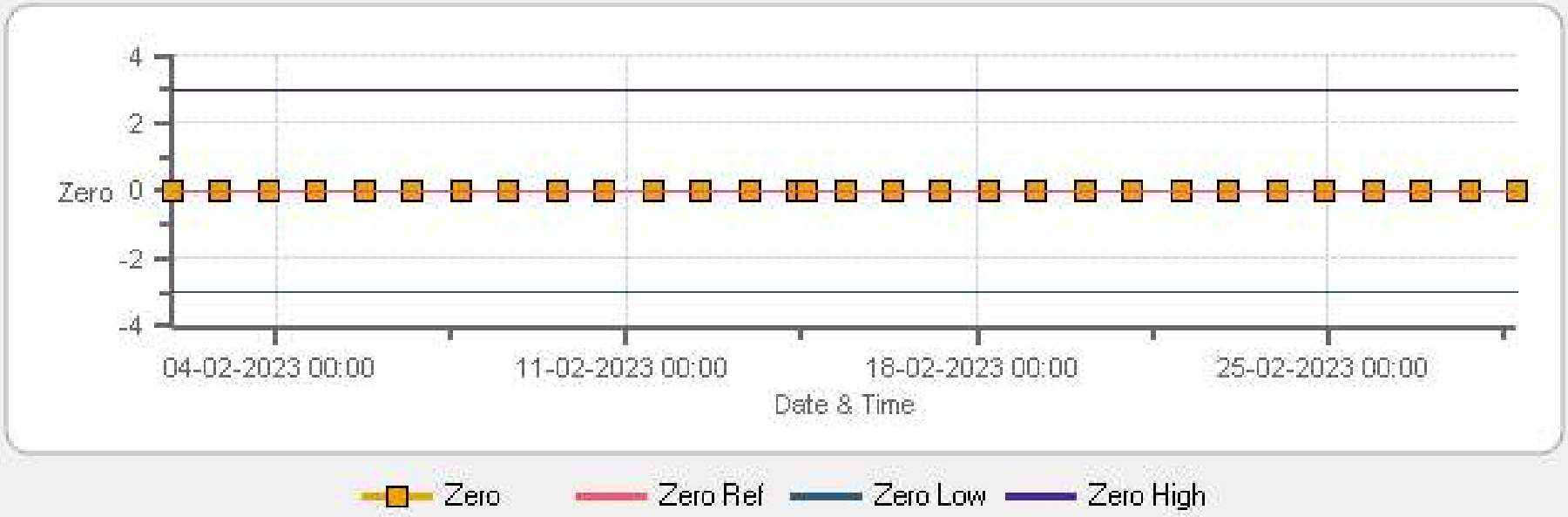
CH4[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Zero



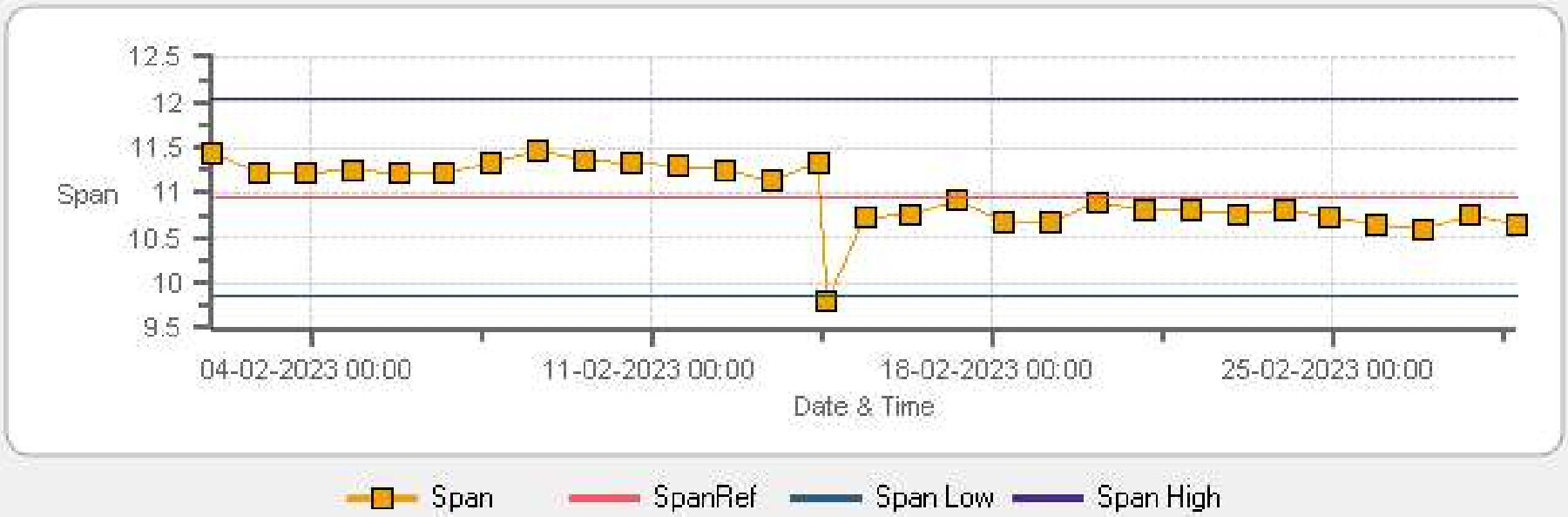
CH4[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 02-2023 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	14-Feb-2023	PREVIOUS CALIBRATION DATE:	18-Jan-2023
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	23.9
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	10:13
PERFORMED BY:	Chris Wesson	END TIME (MST):	14:55

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	425
INITIAL		FINAL	
BKG/OFFSET	8.6	BKG/OFFSET	8.7
COEF/SLOPE	1.11	COEF/SLOPE	1.104
Expected (reference) Value	233	Expected (reference) Value	233

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	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):	1100	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		
3998		3998	0.00	-0.1	0		
3940	60.60	4001	380.17	381.7	379.9	0.996	1.001
3972	28.70	4001	180.05	n/a	180.2	n/a	0.999
3987	14.30	4001	89.71	n/a	89.8	n/a	0.999

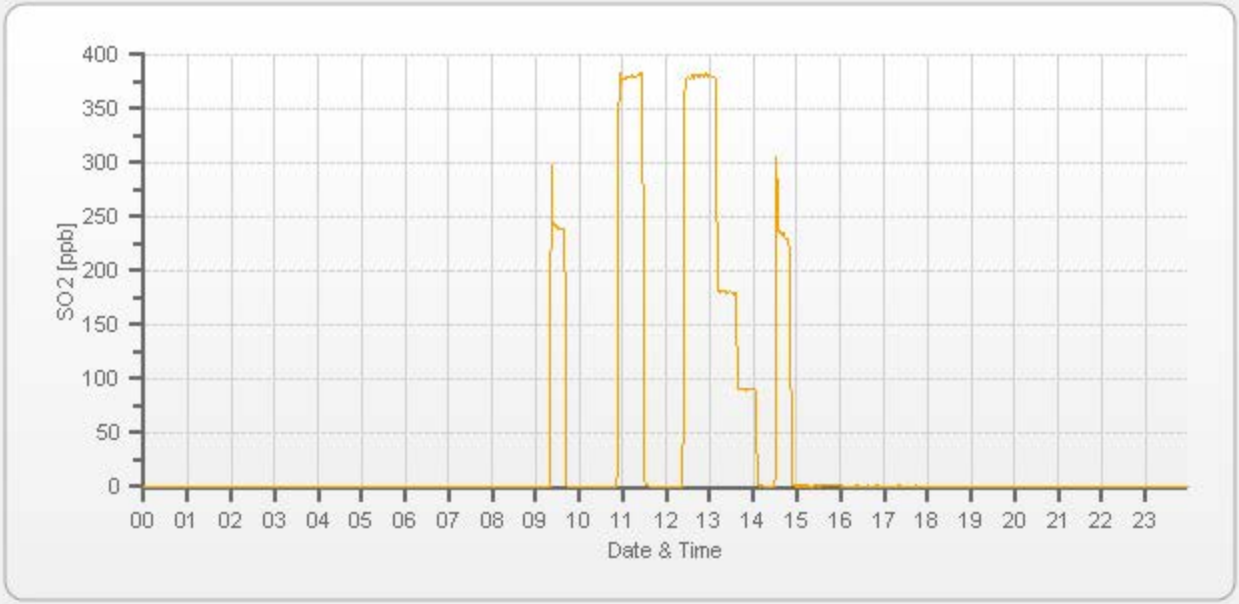
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.0%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: PRAMP 842-B Daily: 14-02-2023 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	14-Feb-2023	PREVIOUS CALIBRATION DATE:	18-Jan-2023
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.004
CLIENT:	PRAMP	TEMPERATURE (°C):	23.9
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	10:13
PERFORMED BY:	Chris Wesson	END TIME (MST):	14:55

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	374
INITIAL		FINAL	
BKG/OFFSET	13.3	BKG/OFFSET	13.1
COEF/SLOPE	0.889	COEF/SLOPE	0.874
Expected (reference) Value	44.6	Expected (reference) Value	44.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1400	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	0.12	0		
3968	33.20	4001	78.08	77.62	78.03	1.008	1.001
3985	16.20	4001	38.10	n/a	39	n/a	0.977
3993	8.10	4001	19.05	n/a	20	n/a	0.953

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.996	0.6%

COMMENTS:

TRS Converter CDNOVA CDN #583


TRS[ppb] Station: PRAMP 842-B Daily: 14-02-2023 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
80
70
60
50
40
30
20
10
0
-10
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	14-Feb-2023	PREVIOUS CALIBRATION DATE:	18-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	23.9
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	10:13
PERFORMED BY:	Chris Wesson	END TIME (MST):	14:27

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1142
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.999	0.999	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL28583		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	608.0	203.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	4568	CYLINDER (psi):	900		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2022	OXIDIZER ID:	Internal	EXPIRY DATE	18-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	558.3
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1166.3

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.57	10.94	20.52		9.57	10.94	20.52

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
3000		3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
2928	72.00	3000	14.59	13.40	27.99	14.83	13.78	28.61	14.59	13.36	27.95	0.984	0.972	0.978	1.000	1.003	1.001
2963	36.00	2999	7.30	6.70	14.00	n/a	n/a	n/a	7.26	6.72	13.98	n/a	n/a	n/a	1.005	0.997	1.001
2982	18.00	3000	3.65	3.35	7.00	n/a	n/a	n/a	3.64	3.40	7.04	n/a	n/a	n/a	1.002	0.985	0.994

LINEAR REGRESSION ANALYSIS:

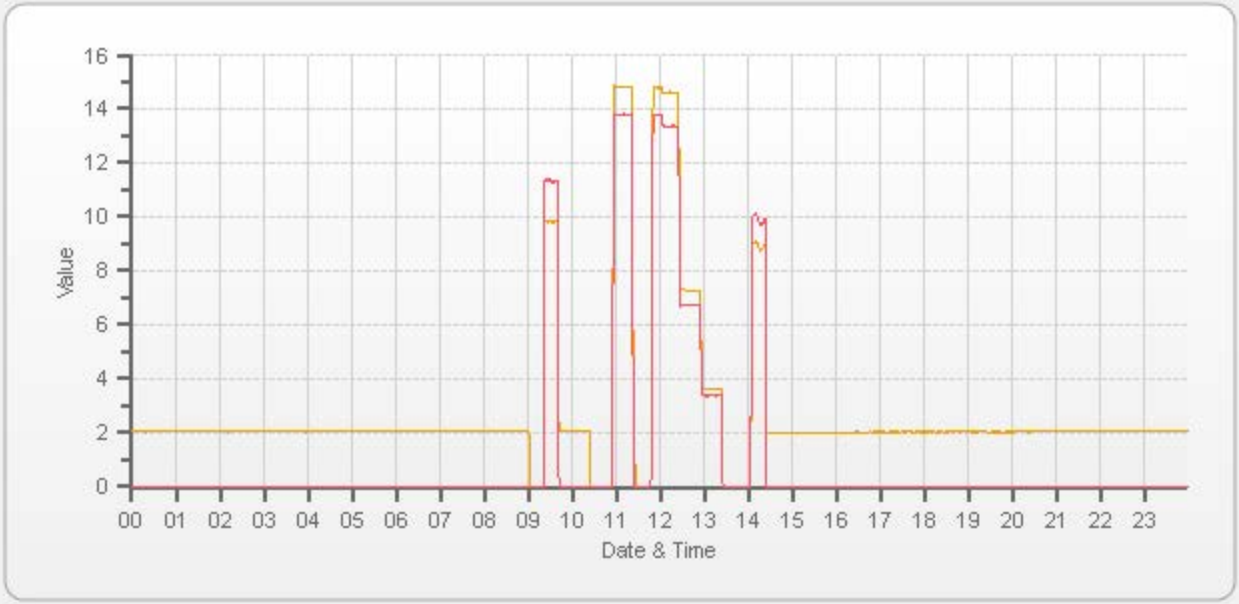
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	-0.1%
NMHC	1.000	0.996	0.2%
THC	1.000	0.998	0.1%

Comments:

Sample filter changed

Use Zero Chrom? **No**

Station: PRAMP 842-B Daily: 14-02-2023 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 14, 2023		
Technician:	Chris Wesson		
Station:	PRAMP 842b		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15878
Temperature Sensor:	Rotronic	HC2A-S3	20370767
Barometric Pressure Sensor:	MetOne	92	Y23362
Relative Humidity Sensor:	Rotronic	HC2A-S3	20370767
Anemometer:	RM Young	05305AQ	174802

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	January 18, 2023	Bucket and drain holes found frozen. De-iced.
Is the sensor Level?	yes	
Is the heater operating properly?	yes	Yes, snow melting
Are the bucket drain holes clean?	no	Drain holes blocked by ice. Defrosted
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	January 18, 2023	
Parameter:	Temperature @ 2 metres	
Reference Thermometer ID:	F.S. 160459244 expires June 6, 2023	
Reference Temperature (^{o}C):	-15.6	
Station - Ambient Temperature (^{o}C):	-15.3	
Temperature Difference (^{o}C):	-0.3	

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	January 18, 2023	
Reference Barometer ID:	BRUNTON #05535, Expire: Feb 27, 2023	
Reference Pressure - Units/Reading:	millibar	944.8
Station Pressure - Units/Reading:	millibar	944.5
Pressure Tolerance +/- 15% of error:	803 - 1087	0.03%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	January 18, 2023	
Reference Hygrometer ID:	F.S. 160459244 expires June 6, 2023	
Reference Hygrometer % RH- Reading:	69.30	
Station Hygrometer % RH- Reading:	74.30	
RH Tolerance +/- 15% of difference:	58.91 - 79.70	-7.2%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	January 18, 2023	Previous check date:	January 18, 2023
Wind Speed Observed (kph):	0	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	0	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

Found precip gauge found blocked by ice. Defrosted and then tested.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Limin Li
Audit Location:	842b	**Reviewed By:**	Chris Wesson
Audit Date:	August 3, 2022	**Start/End Time (mst):**	16:30/17:58
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly sunny

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:	July 4, 2022	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires June 07, 2023

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	1	355	1.0	0.0	0.5
30	330	29	334	1.0	-4.0	2.5
60	300	58	305	2.0	-5.0	3.5
90	270	88	275	2.0	-5.0	3.5
120	240	119	244	1.0	-4.0	2.5
150	210	149	212	1.0	-2.0	1.5
180	180	180	180	0.0	0.0	0.0
210	150	211	150	-1.0	0.0	0.5
240	120	243	119	-3.0	1.0	2.0
270	90	275	88	-5.0	2.0	3.5
300	60	305	59	-5.0	1.0	3.0
330	30	333	30	-3.0	0.0	1.5
355	0	355	1	0.0	1.0	0.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.9**

Comments:

Physical inspection completed. No issues.

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring Calibration Report

- 986c STATION-

CAL-PRAMP-202302-01562

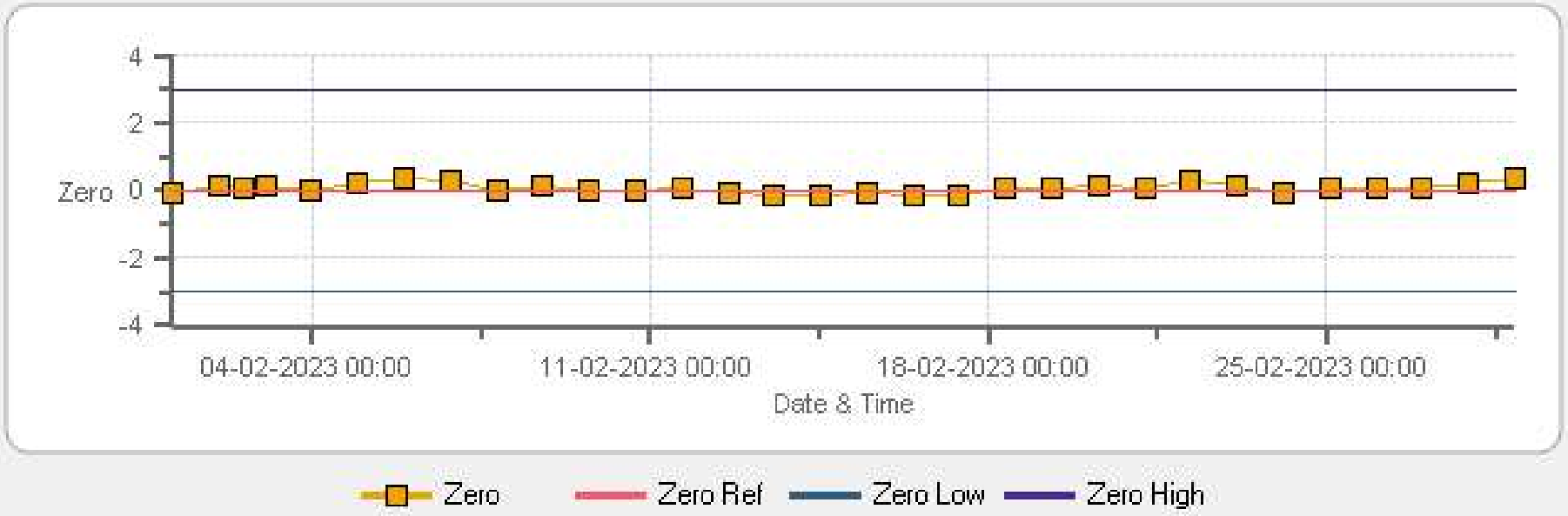
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

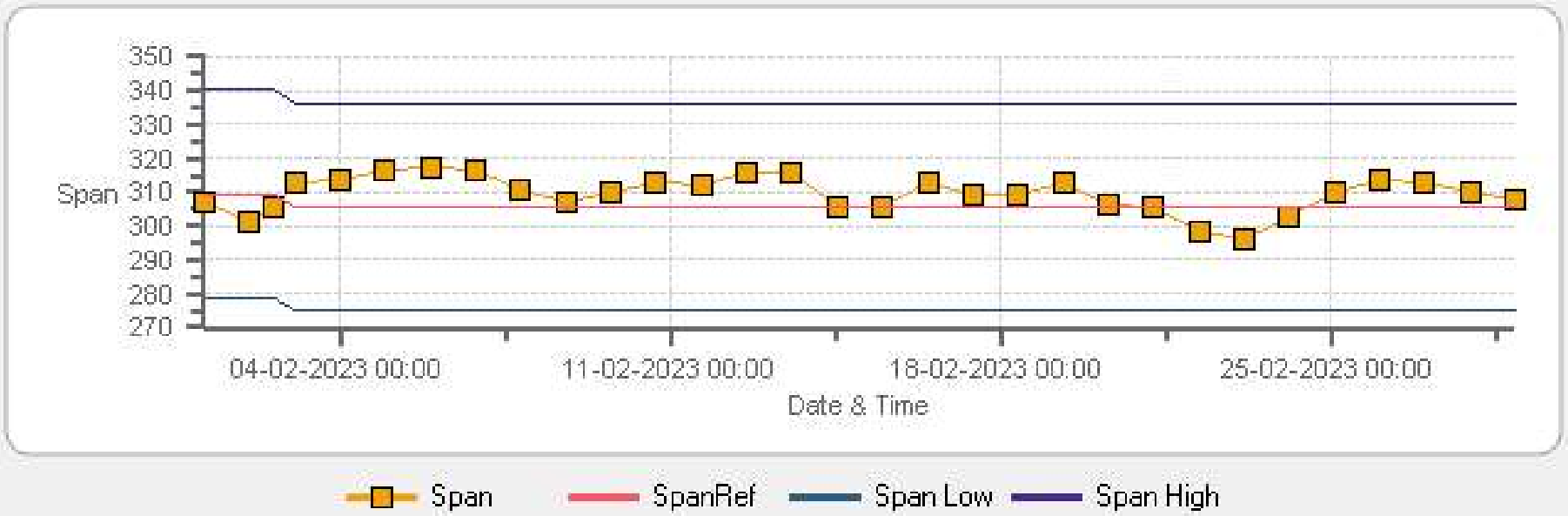
March 10, 2023

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

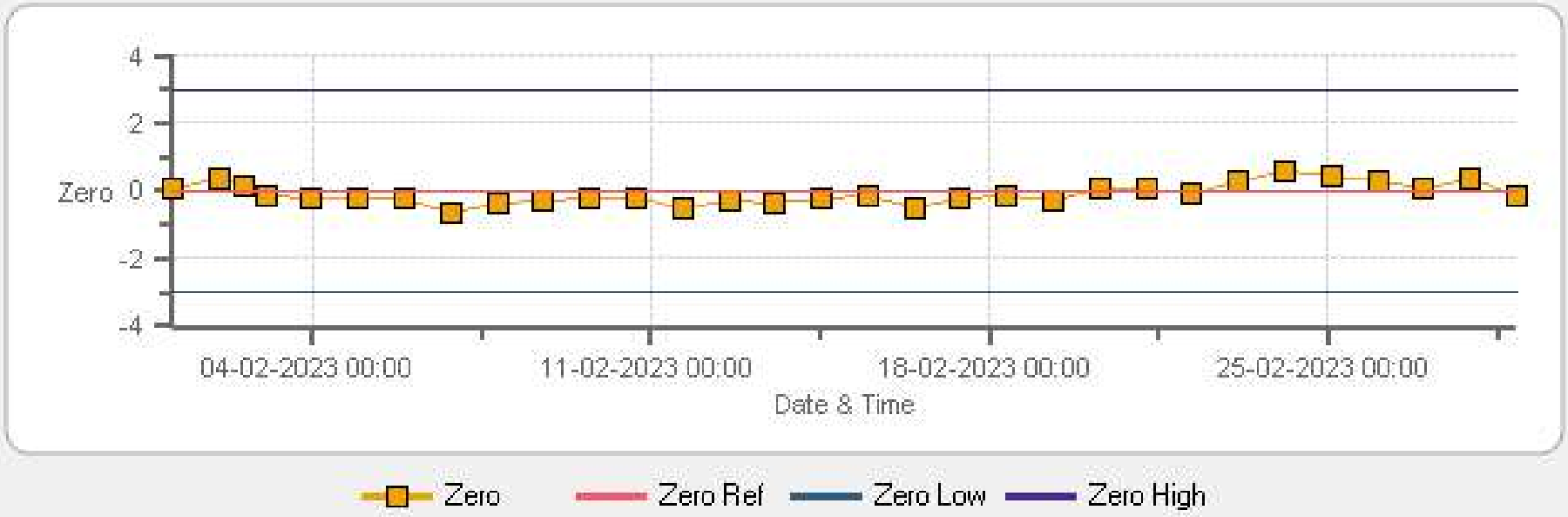
SO2[ppb] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Zero



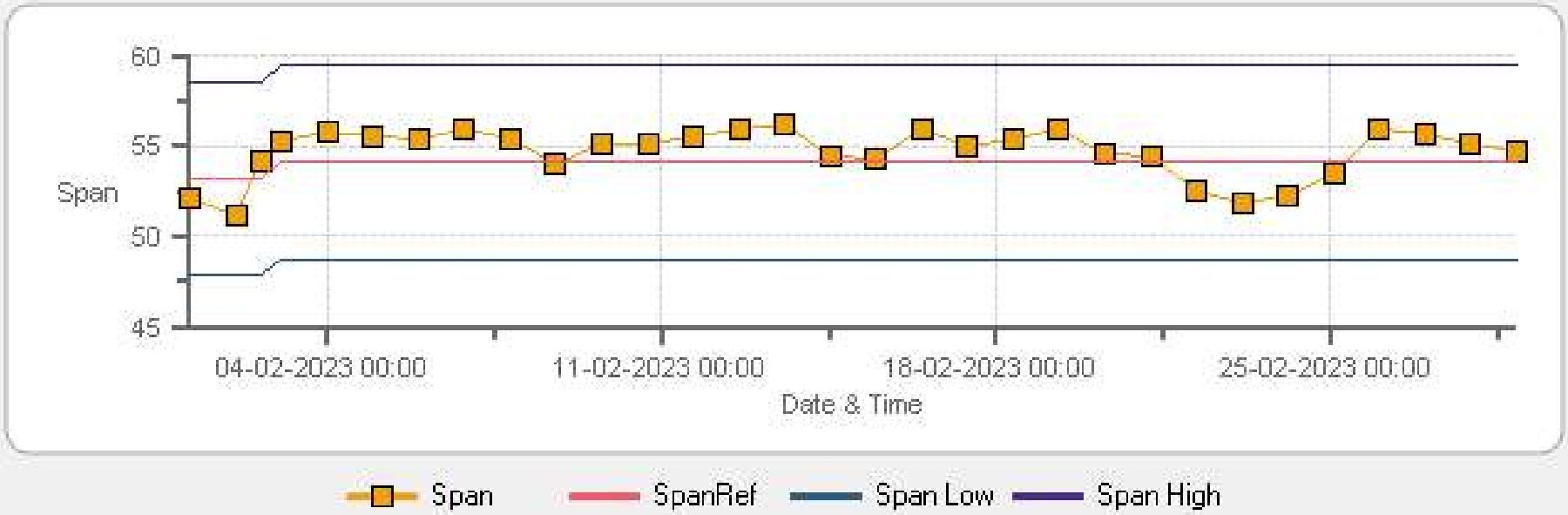
SO2[ppb] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Span



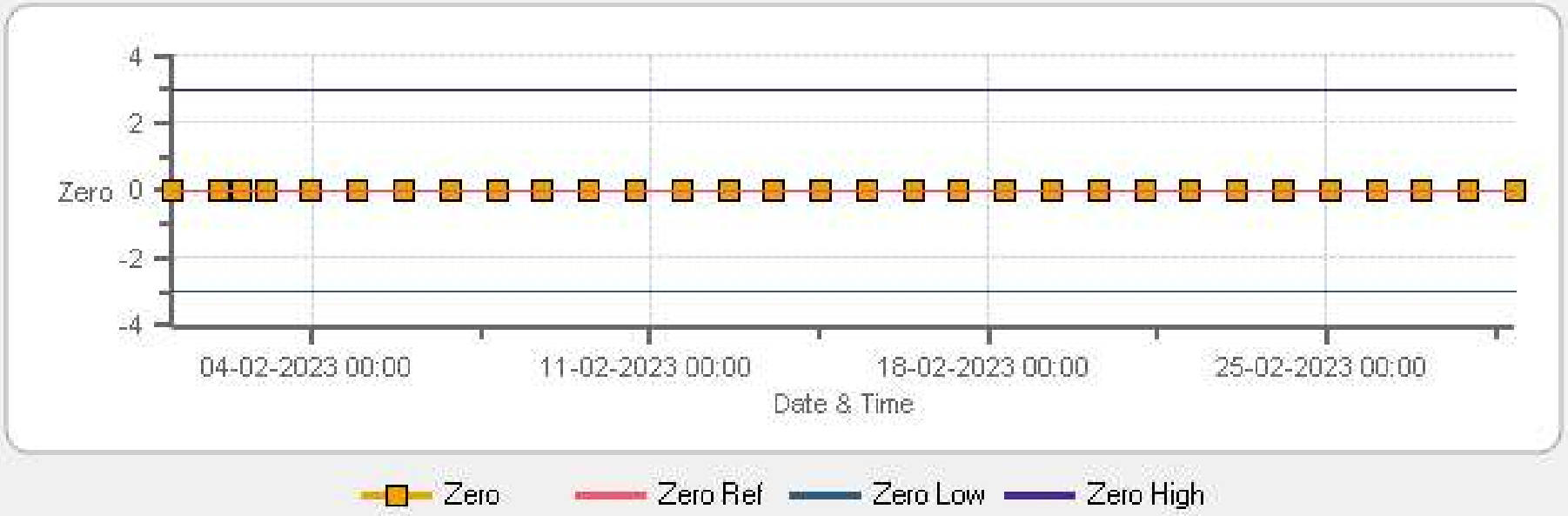
TRS[ppb] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Zero



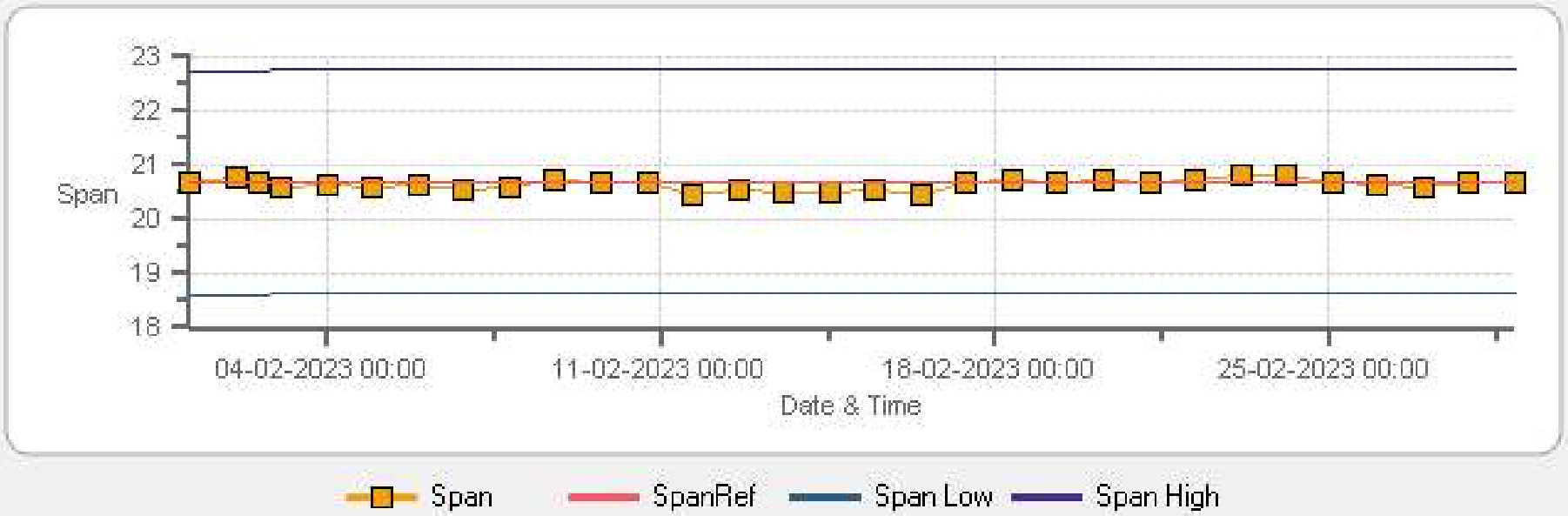
TRS[ppb] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Span

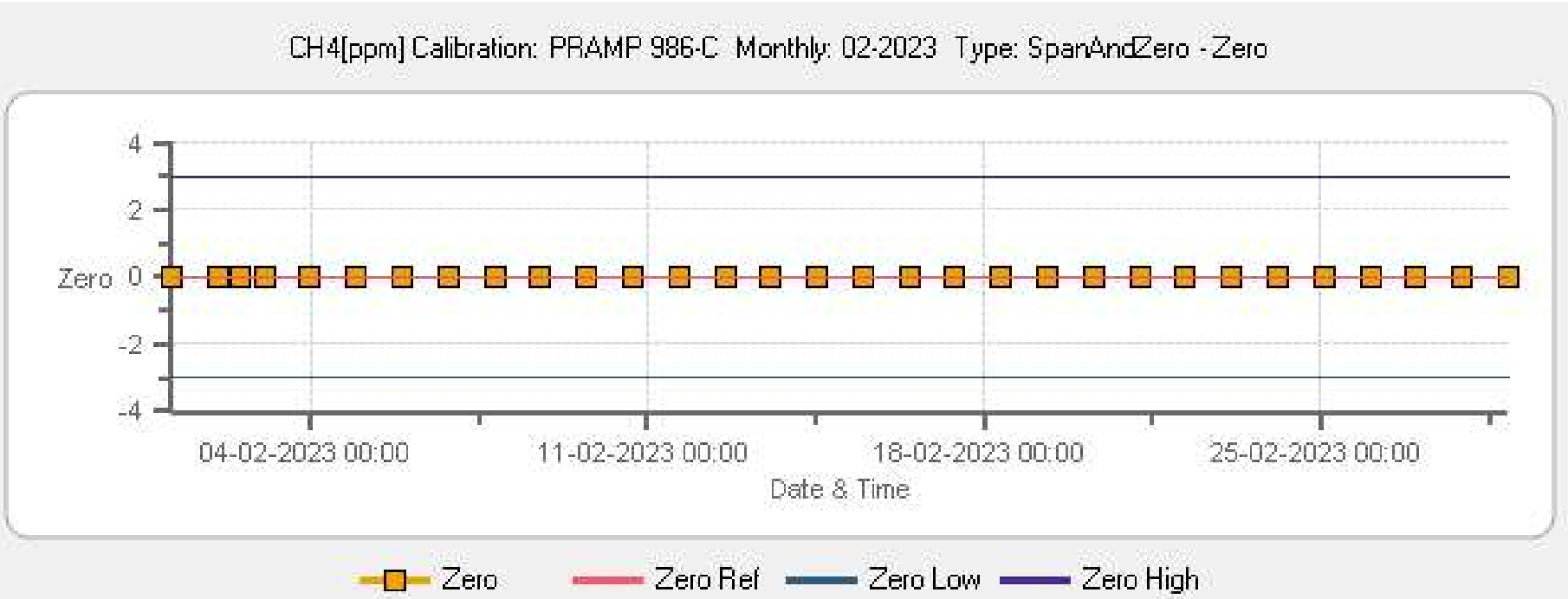


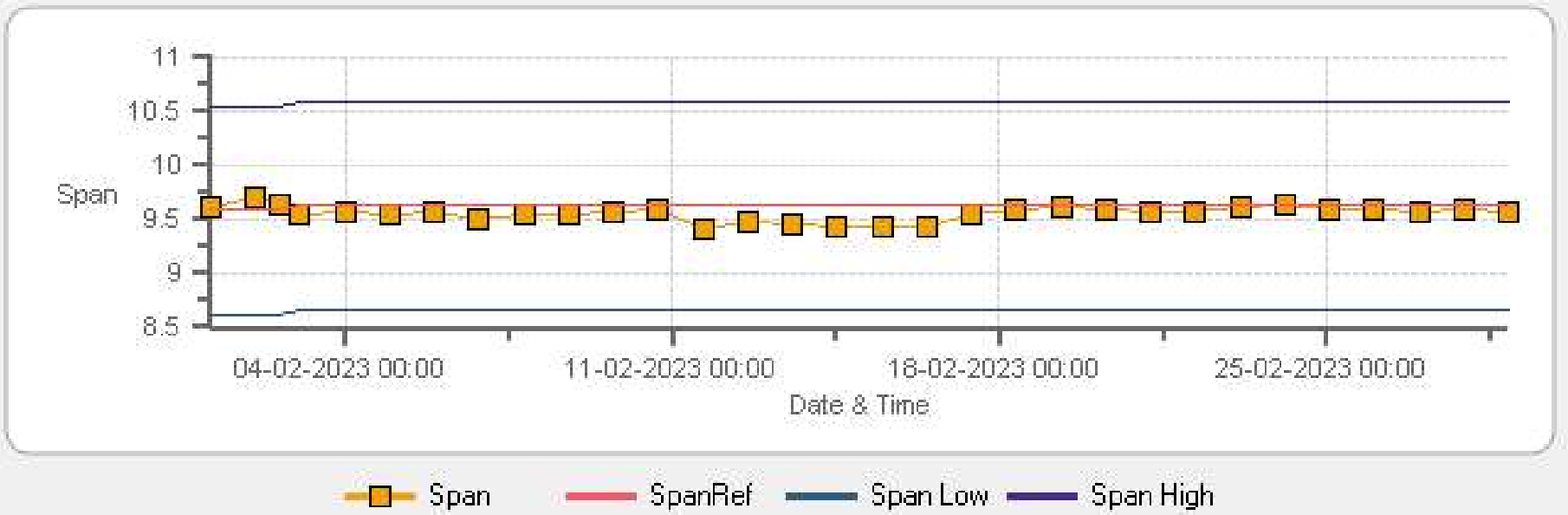
THC55[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Zero

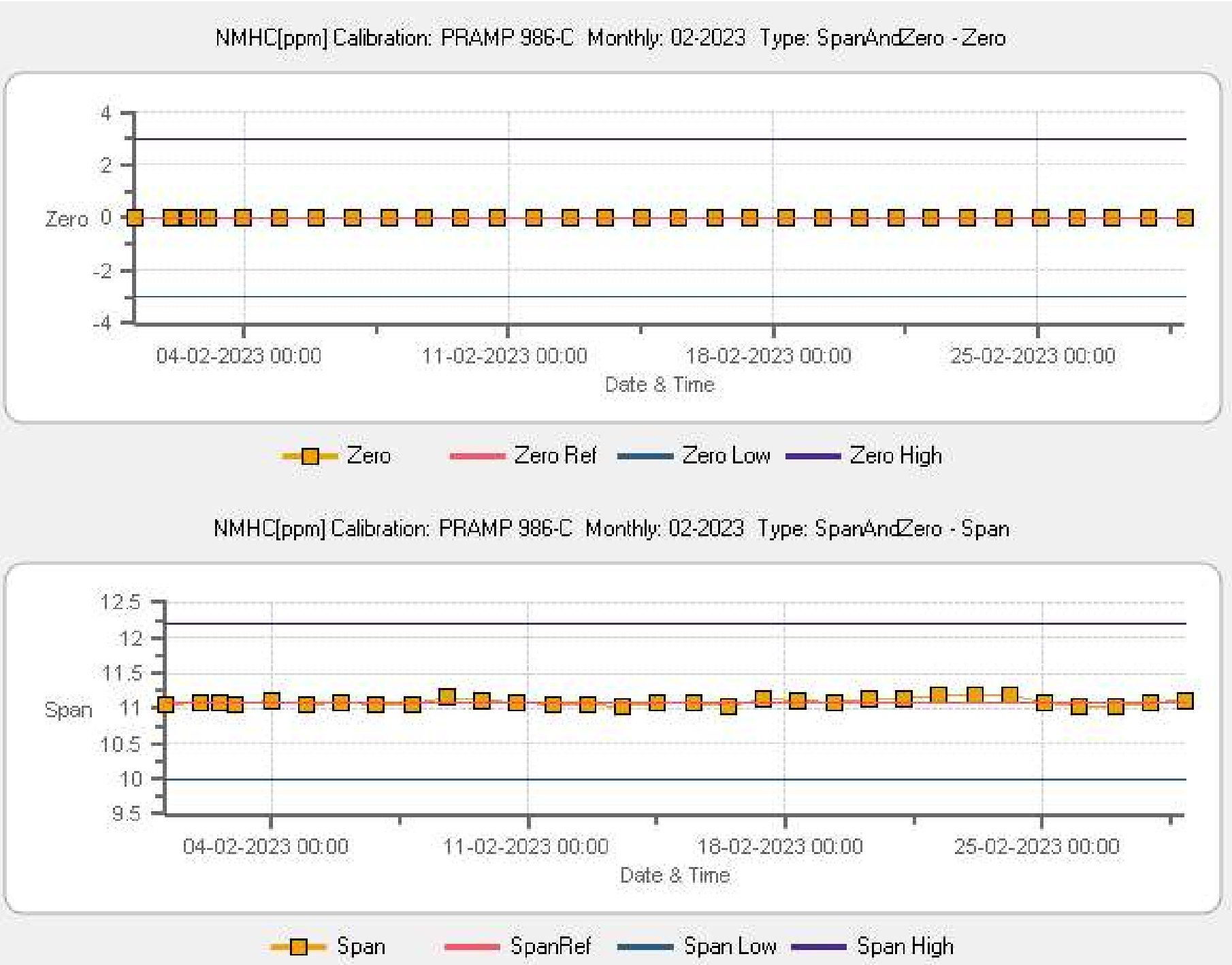


THC55[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Span




CH4[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High


CH4[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Span
11
10.5
10
Span
9.5
9
8.5
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High


NMHC[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP 986-C Monthly: 02-2023 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	02-Feb-2023	PREVIOUS CALIBRATION DATE:	12-Jan-2023
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	986C	BAROMETRIC (mBar):	942
PURPOSE	Routine	START TIME (MST):	09:23
PERFORMED BY:	Chris Wesson	END TIME (MST):	14:06

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	433
INITIAL		FINAL	
BKG/OFFSET	16.4	BKG/OFFSET	16.5
COEF/SLOPE	1.058	COEF/SLOPE	1.063
Expected (reference) Value	309.3	Expected (reference) Value	305.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0001923	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1600	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		
4007		4007	0.00	-0.1	0		
3935	60.60	3996	380.65	378.3	380.8	1.006	1.000
3968	28.70	3997	180.23	n/a	181.6	n/a	0.992
3987	14.30	4001	89.71	n/a	90.8	n/a	0.988

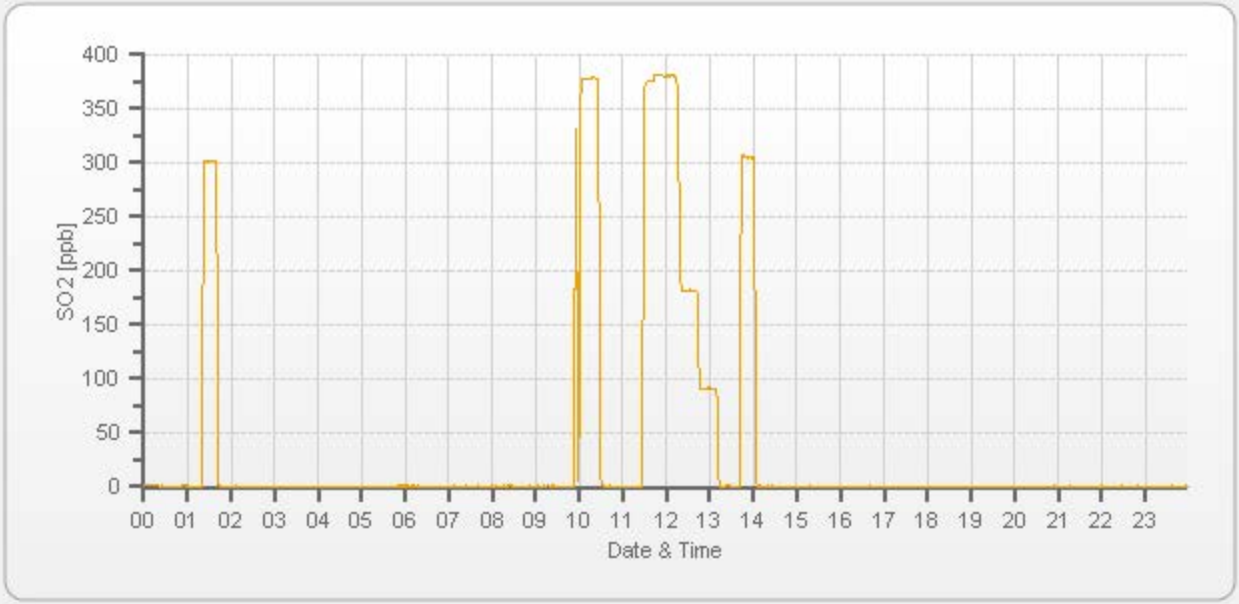
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample filter changed.
09:53-09:59 = Tech error. As Found high starts at 10:00

SO2[ppb] Station: PRAMP 986-C Daily: 02-02-2023 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	02-Feb-2023	PREVIOUS CALIBRATION DATE:	12-Jan-2023
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	986C	BAROMETRIC (mBar):	942
PURPOSE	Routine	START TIME (MST):	09:23
PERFORMED BY:	Chris Wesson	END TIME (MST):	14:06

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	425
INITIAL		FINAL	
BKG/OFFSET	14.7	BKG/OFFSET	15.4
COEF/SLOPE	0.917	COEF/SLOPE	0.951
Expected (reference) Value	53.22	Expected (reference) Value	54.1

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1200	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	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		
4007		4007	0.00	0.14	0		
3963	33.20	3996	78.18	75.74	78.23	1.034	0.999
3981	16.20	3997	38.14	n/a	38.05	n/a	1.002
3993	8.10	4001	19.05	n/a	19.58	n/a	0.973

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.2%

COMMENTS:

TRS Converter BV's CDNOVA CDN #552
09:53-09:59 = Tech error. As Found high starts at 10:00


TRS[ppb] Station: PRAMP 986-C Daily: 02-02-2023 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
80
70
60
50
40
30
20
10
0
-10
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	02-Feb-2023	PREVIOUS CALIBRATION DATE:	12-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	986C	BAROMETRIC (mBar):	942
PURPOSE	Routine	START TIME (MST):	09:23
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:34

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1433563261	1151
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.002	1.000	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL28583		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	608.0	203.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	4568	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2022	OXIDIZER ID:	Internal	EXPIRY DATE	18-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	558.3
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1166.3

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.58	11.09	20.67		9.63	11.08	20.70

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
3000		3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
2928	72.00	3000	14.59	13.40	27.99	14.59	13.36	27.95	14.62	13.43	28.06	1.000	1.003	1.001	0.998	0.998	0.998
2964	36.00	3000	7.30	6.70	14.00	n/a	n/a	n/a	7.33	6.65	13.99	n/a	n/a	n/a	0.995	1.007	1.000
2983	18.00	3001	3.65	3.35	7.00	n/a	n/a	n/a	3.68	3.23	6.91	n/a	n/a	n/a	0.991	1.037	1.012

LINEAR REGRESSION ANALYSIS:

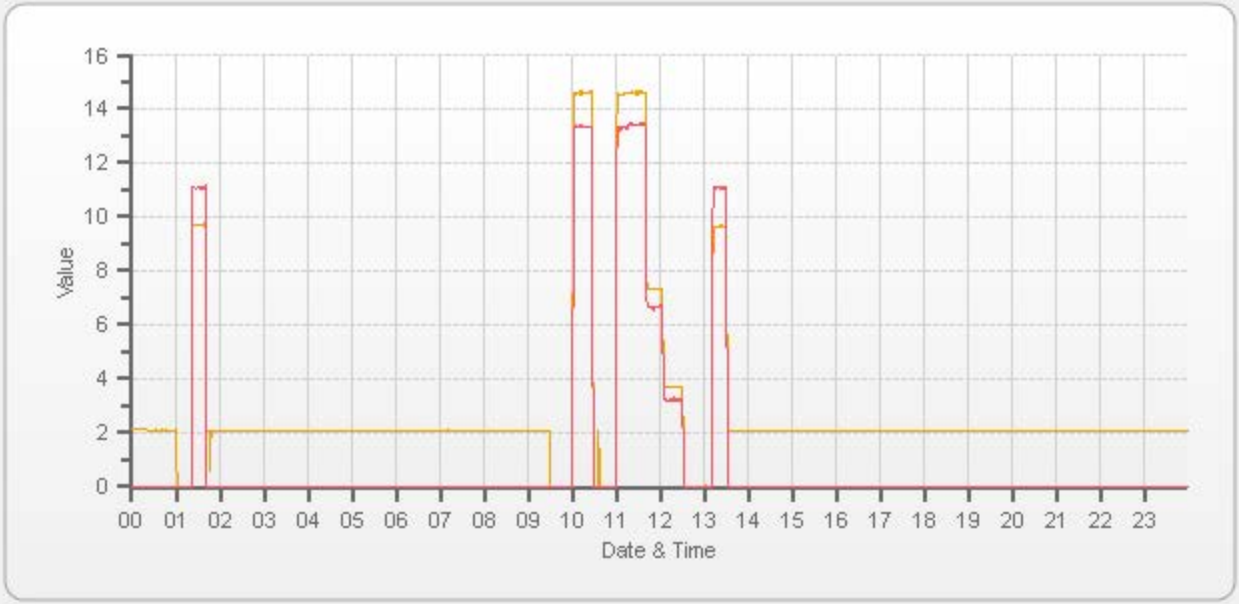
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.1%
NMHC	1.000	1.005	-0.3%
THC	1.000	1.004	-0.1%

Comments:

Sample filter changed

Use Zero Chrom? **No**

Station: PRAMP 986-C Daily: 02-02-2023 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 2, 2023		
Technician:	Chris Wesson		
Station:	PRAMP 986c		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	n/a	n/a	n/a
Barometric Pressure Sensor:	MetOne	092	Y23358
Relative Humidity Sensor:	n/a	n/a	n/a
Anemometer:	RM Young	05305AQ	180340

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	January 12, 2023	Too cold for tiptest
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	no	Blocked by ice
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	January 12, 2023	
Parameter:	Temperature @ 2 metres	
Reference Thermometer ID:	F.S. 160348895 expires Sep 4, 2022	
Reference Temperature (^{o}C):	n/a	
Station - Ambient Temperature (^{o}C):	parameter offline	

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	January 12, 2023	
Reference Barometer ID:	Brunton 05535 Expires Feb 22, 2023	
Reference Pressure - Units/Reading:	millibar	938.7
Station Pressure - Units/Reading:	millibar	938.7
Pressure Tolerance +/- 15% of error:	798 - 1080	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	January 12, 2023
Reference Hygrometer ID:	F.S. 160348895 expires Sep 4, 2022
Reference Hygrometer % RH- Reading:	n/a
Station Hygrometer % RH- Reading:	parameter offline

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	January 12, 2023	Previous check date:	January 12, 2023
Wind Speed Observed (kph):	~10-15	Wind Direction Observed:	SE
Wind speed on Data Logger (kph):	11.2	Wind Direction on Data Logger:	SE
		Wind Direction Pass/Fail?:	Pass

Comments

Tipping bucket blocked by ice though heater working OK.
TPX/RH sensor connection failed. Not audited - needs new part.

Meteorological System Checklist

Date:	February 14, 2023		
Technician:	Chris Wesson		
Station:	PRAMP 986c		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Rotronic	HC2A-S3	60837897
Barometric Pressure Sensor:	MetOne	092	Y23358
Relative Humidity Sensor:	Rotronic	HC2A-S3	60837897
Anemometer:	RM Young	05305AQ	180340
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	January 12, 2023		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 160459244 expires June 6, 2023		
Reference Temperature (°C):	-13.4		
Station - Ambient Temperature (°C):	-13.7		
Temperature Difference (°C):	0.3		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	February 2, 2023		
Reference Barometer ID:	Brunton 05535 Expires Feb 22, 2023		
Reference Pressure - Units/Reading:	millibar	945.6	
Station Pressure - Units/Reading:	millibar	945.8	
Pressure Tolerance +/- 15% of error:	804 - 1087	-0.02%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 12, 2023		
Reference Hygrometer ID:	F.S. 160459244 expires June 6, 2023		
Reference Hygrometer % RH- Reading:	60.20		
Station Hygrometer % RH- Reading:	61.00		
RH Tolerance +/- 15% of difference:	51.17 - 69.23	-1.3%	

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	February 2, 2023	Previous check date:	February 2, 2023
Wind Speed Observed (kph):	0~5	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	2	Wind Direction on Data Logger:	E
		Wind Direction Pass/Fail?:	Pass

Comments

TPX/RH probe swapped.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Limin Li
Audit Location:	986C	**Reviewed By:**	Chris Wesson
Audit Date:	August 5, 2022	**Start/End Time (mst):**	09:37/10:32
Calibration Purpose:	routine annual	**Weather Conditions:**	A few clouds

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:**	0-180
Serial #:	180340	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	July 3, 2021	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires June 07, 2023

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	32	333	-2.0	-3.0	2.5
60	300	61	303	-1.0	-3.0	2.0
90	270	90	273	0.0	-3.0	1.5
120	240	120	242	0.0	-2.0	1.0
150	210	150	210	0.0	0.0	0.0
180	180	180	179	0.0	1.0	0.5
210	150	210	149	0.0	1.0	0.5
240	120	242	120	-2.0	0.0	1.0
270	90	273	90	-3.0	0.0	1.5
300	60	303	61	-3.0	-1.0	2.0
330	30	332	32	-2.0	-2.0	2.0
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.3**

Comments:

Magnetic declination = 15Deg(E)

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring Calibration Report

- RENO STATION-

CAL-PRAMP-202302-01563

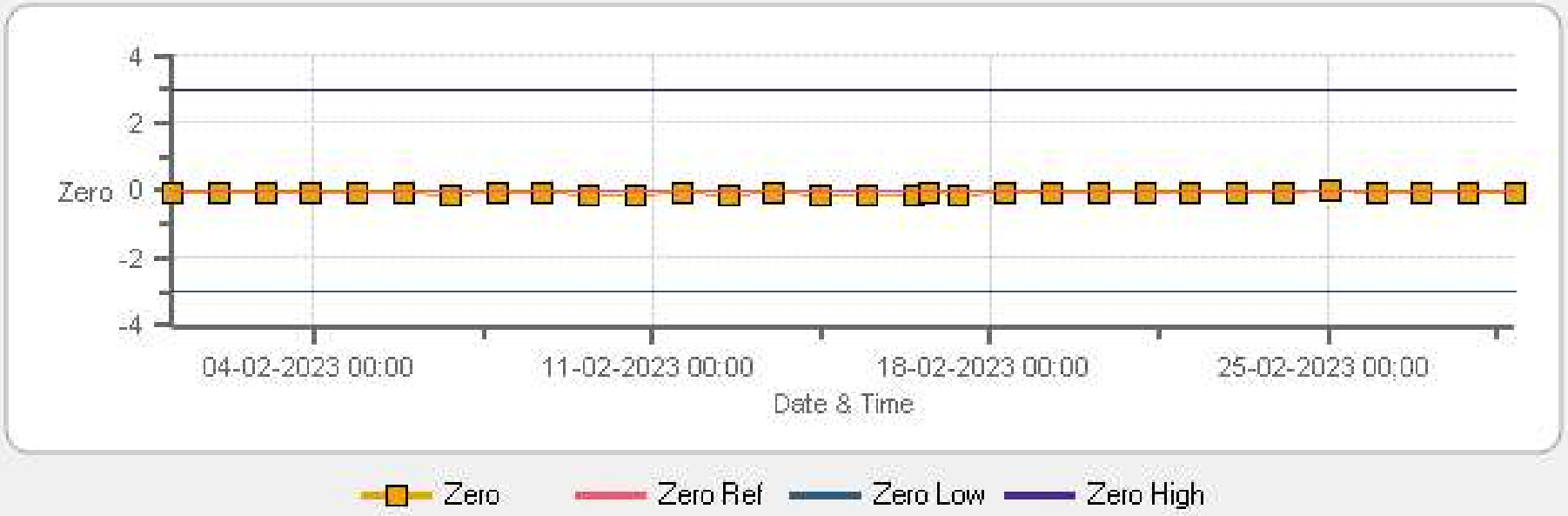
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

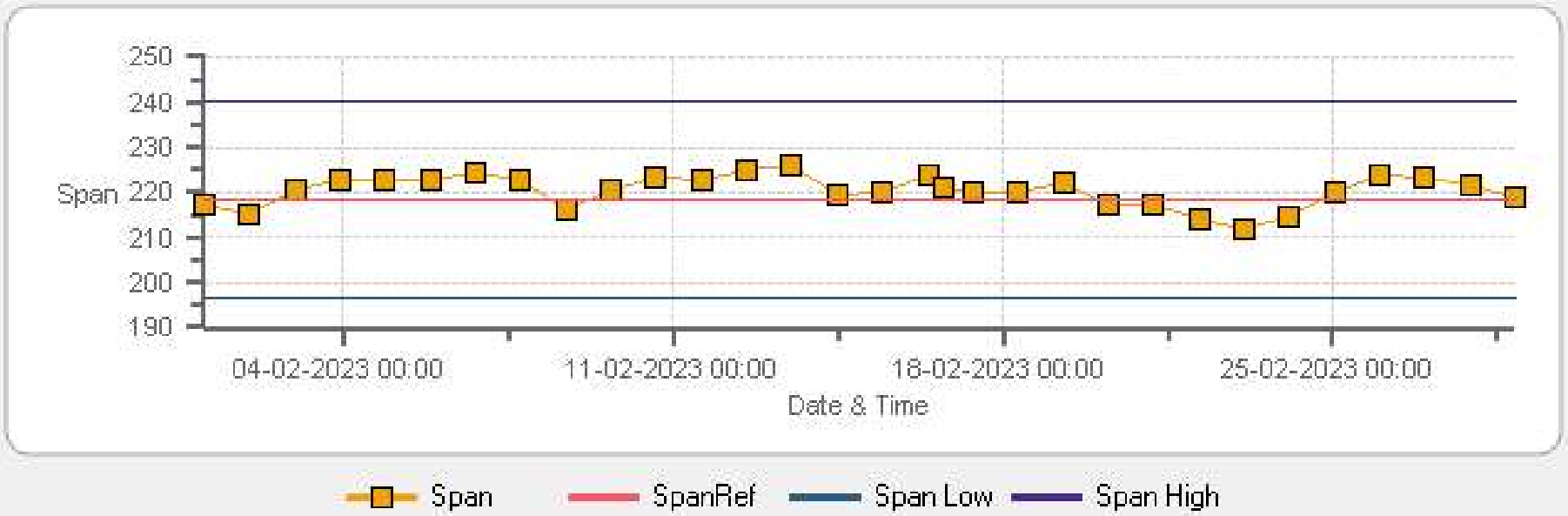
March 10, 2023

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

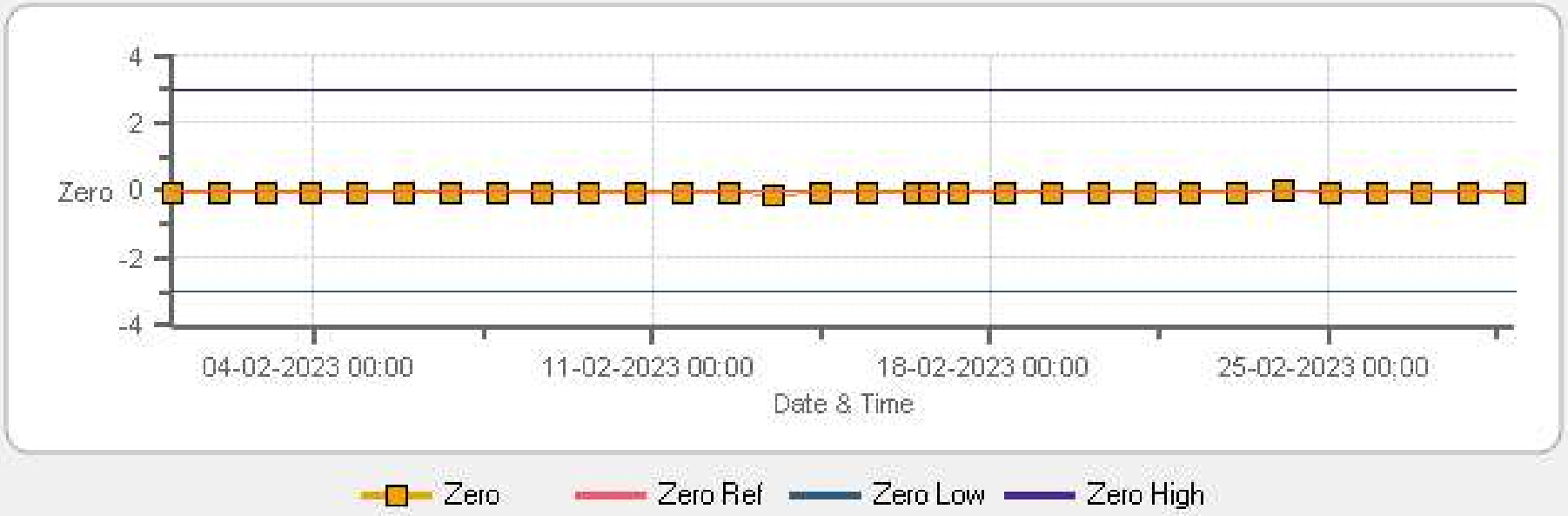
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Zero



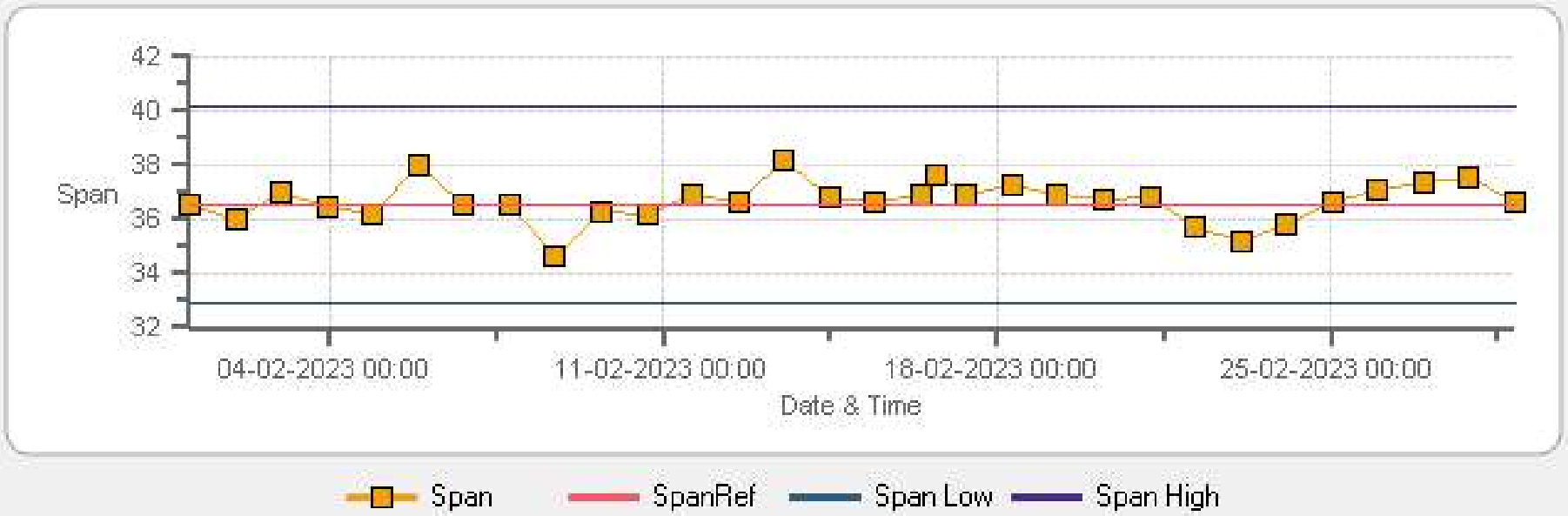
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Span



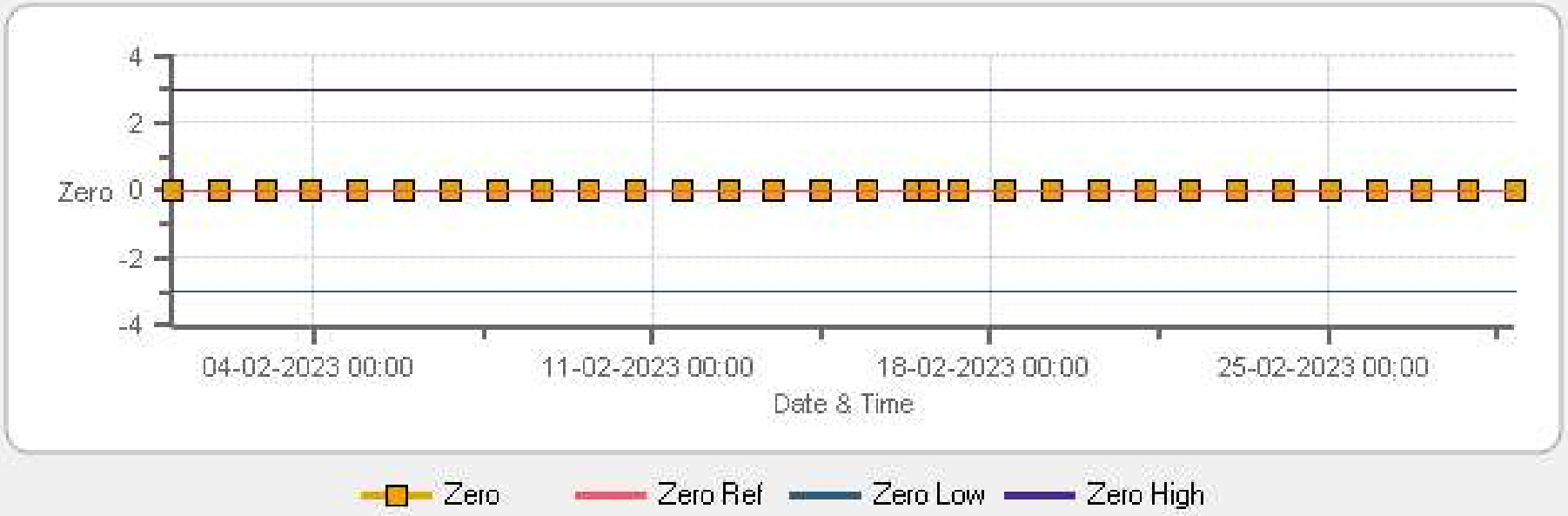
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Zero



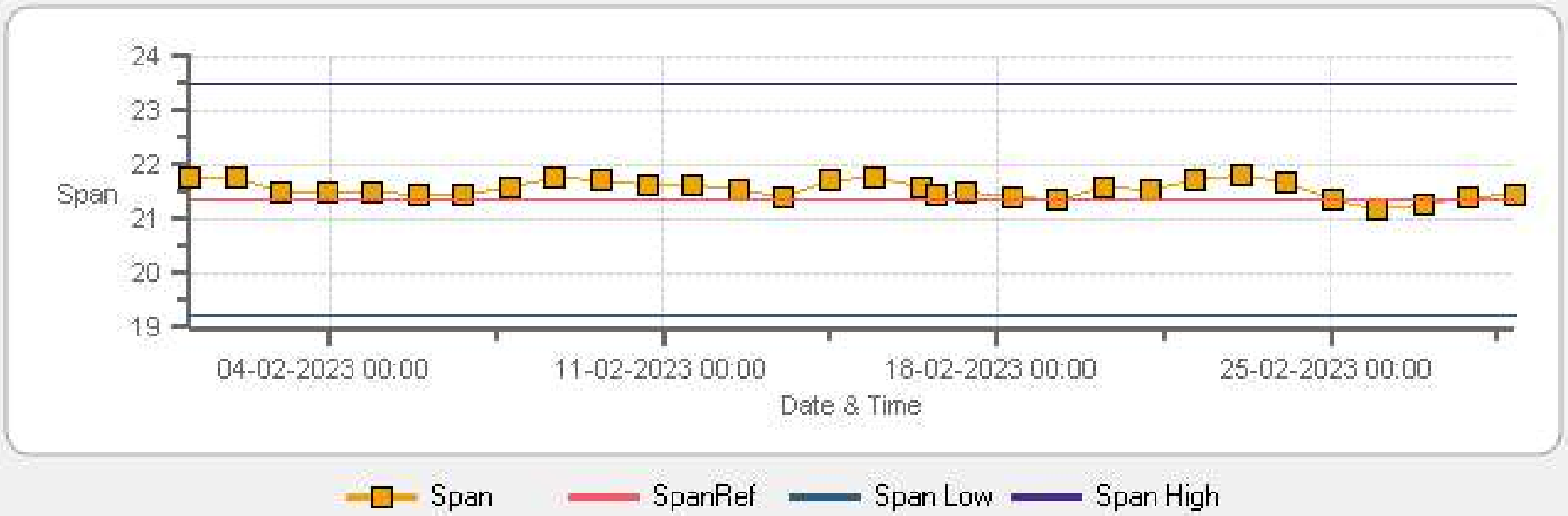
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Span



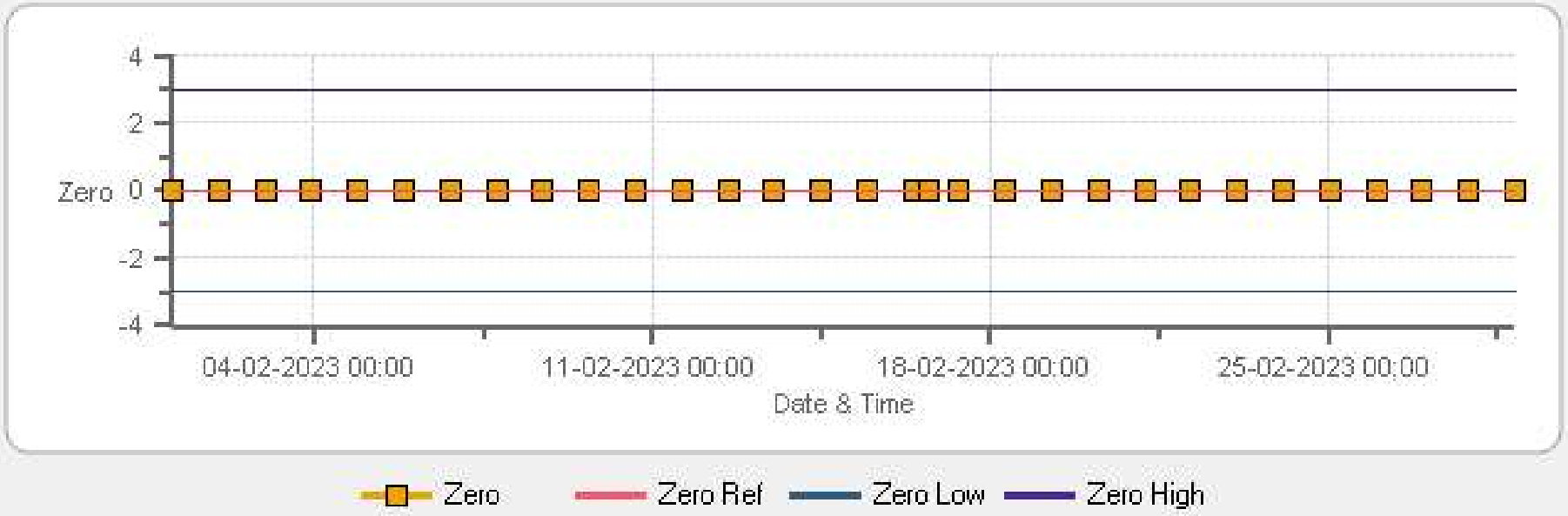
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Zero



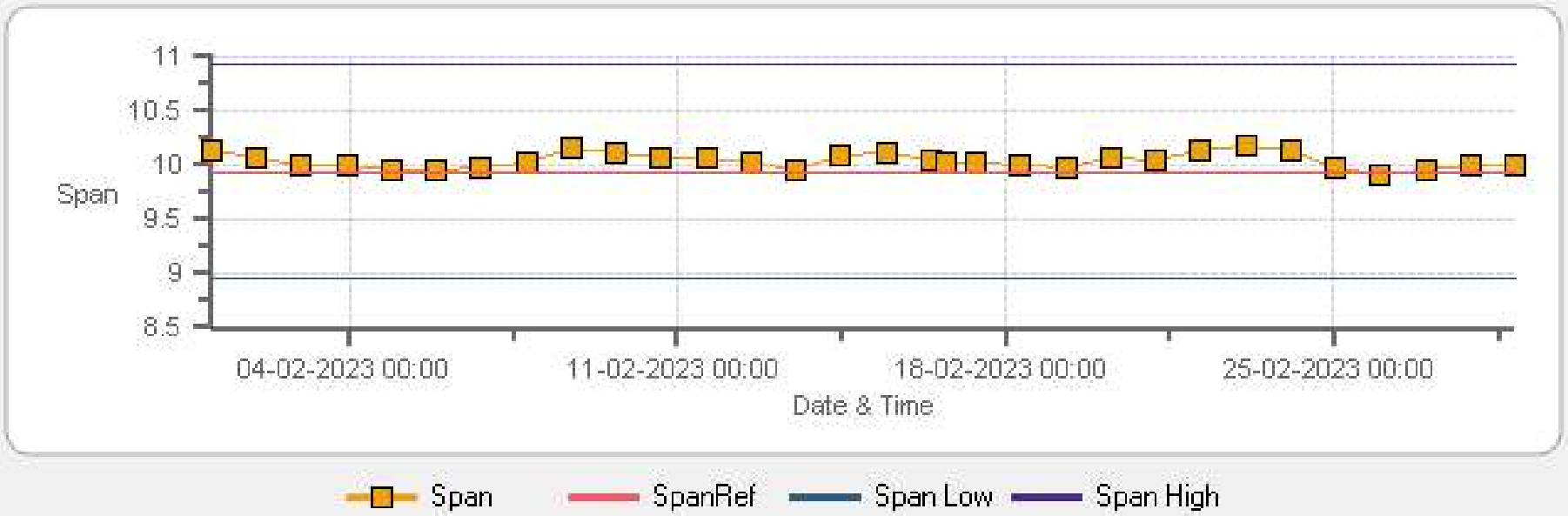
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Span



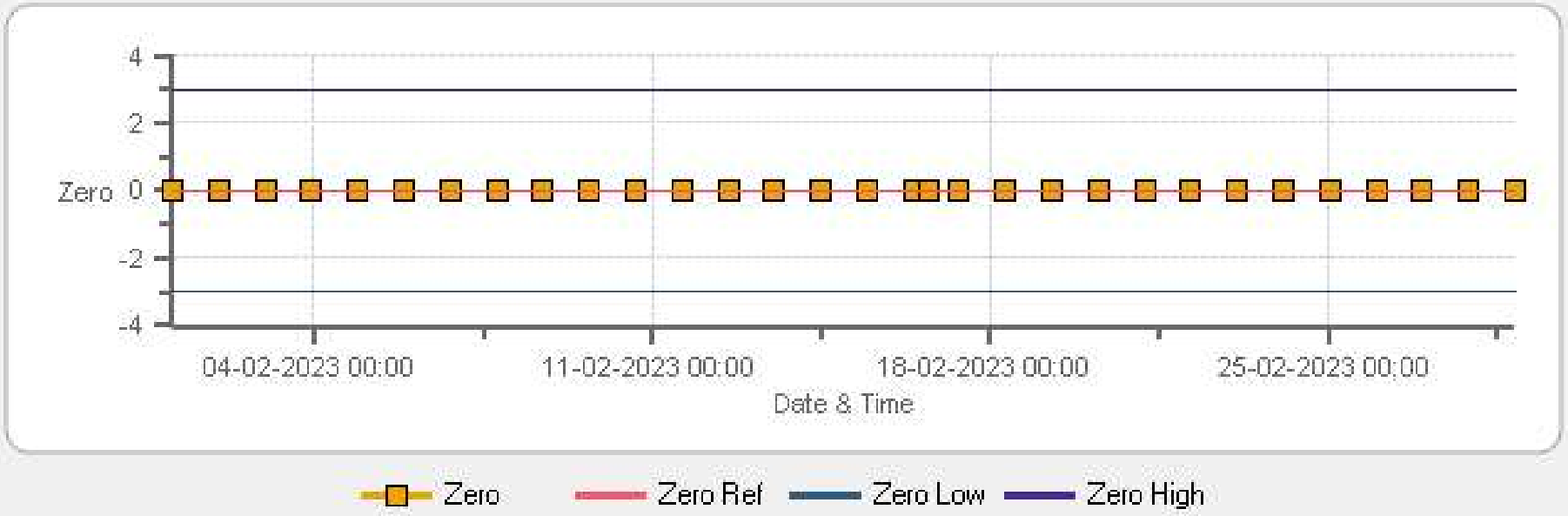
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Zero



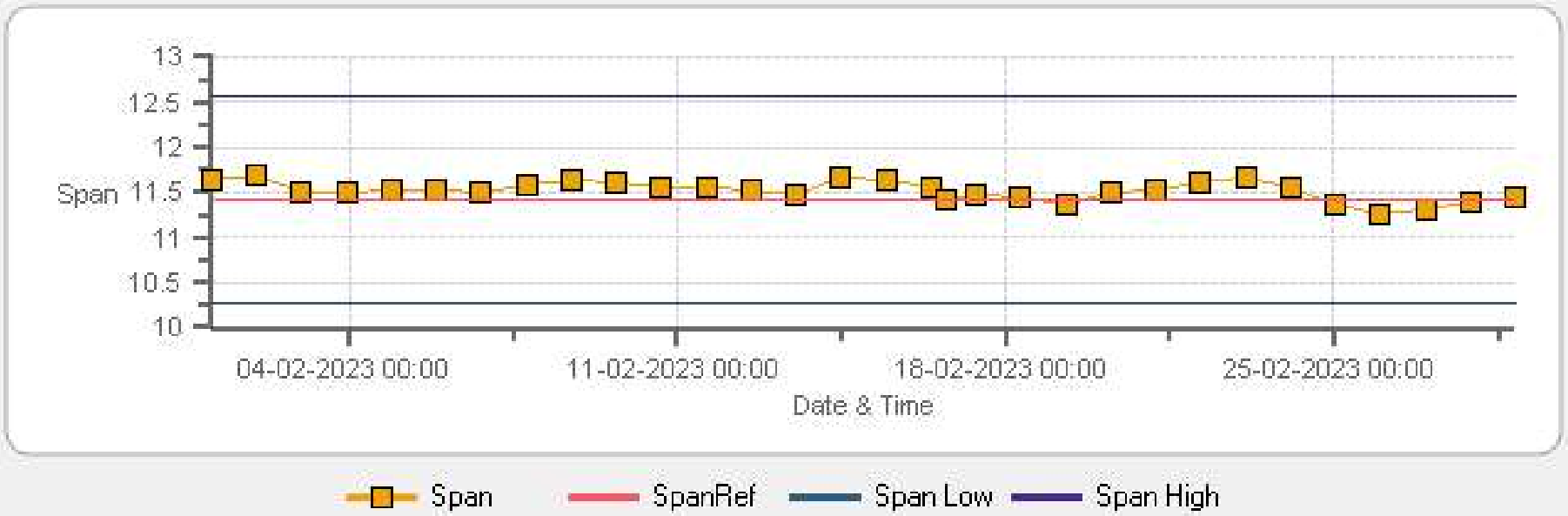
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 02-2023 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	16-Feb-2023	PREVIOUS CALIBRATION DATE:	06-Jan-2023
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	13:52
PERFORMED BY:	Chris Wesson	END TIME (MST):	18:03

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	437
INITIAL		FINAL	
BKG/OFFSET	1.17	BKG/OFFSET	1.16
COEF/SLOPE	0.931	COEF/SLOPE	0.921
Expected (reference) Value	218.3	Expected (reference) Value	218.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	5004
MFC CALIBRATION DATE:	15-Sep-2022	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):	1100	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		
4004		4004	0.00	-0.1	0		
3944	60.60	4005	379.79	385.3	380.5	0.985	0.998
3973	28.70	4002	180.00	n/a	181	n/a	0.994
3988	14.30	4002	89.69	n/a	89.9	n/a	0.998

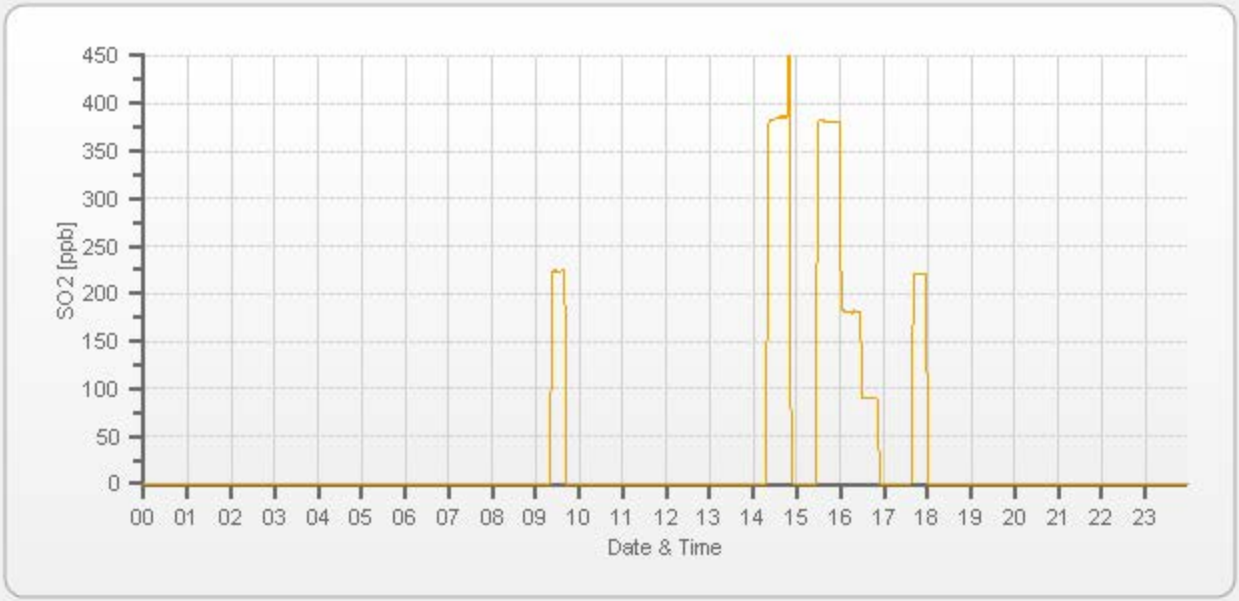
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.0%

COMMENTS:

sample filter changed
14:48-14:51 = user error. No effect on calibration

SO2[ppb] Station: PRAMP RENO-B Daily: 16-02-2023 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	16-Feb-2023	PREVIOUS CALIBRATION DATE:	06-Jan-2023
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	13:52
PERFORMED BY:	Chris Wesson	END TIME (MST):	17:47

ANALYZER:

MAKE/MODEL	Thermo 43iQTL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	397
INITIAL		FINAL	
BKG/OFFSET	0.95	BKG/OFFSET	0.95
COEF/SLOPE	0.869	COEF/SLOPE	0.872
Expected (reference) Value	36.53	Expected (reference) Value	36.53

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	5004
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	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		
4004		4004	0.00	-0.08	0		
3972	33.20	4005	78.01	77.63	77.89	1.004	1.001
3986	16.20	4002	38.09	n/a	38.48	n/a	0.990
3994	8.10	4002	19.05	n/a	19.26	n/a	0.989

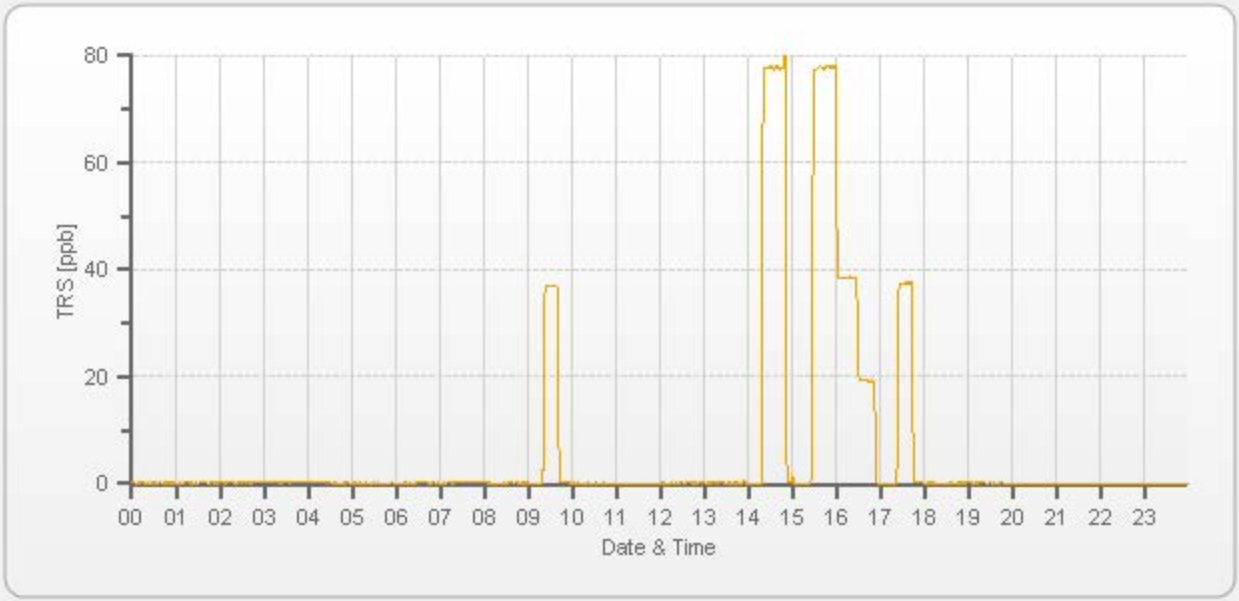
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.2%

COMMENTS:

TRS Converter CDNOVA CDN-101 #590.
14:48-14:51 = user error. No effect on calibration

TRS[ppb] Station: PRAMP RENO-B Daily: 16-02-2023 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	16-Feb-2023	PREVIOUS CALIBRATION DATE:	18-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	23.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	930
PURPOSE	Routine	START TIME (MST):	13:51
PERFORMED BY:	Chris Wesson	END TIME (MST):	17:46

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1505664392	1084
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.998	0.998	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL28583		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	608.0	203.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	5004	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2022	OXIDIZER ID:	Internal	EXPIRY DATE	18-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	558.3
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1166.3

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.94	11.42	21.35		9.94	11.42	21.35

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
3001		3001	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00						
2928	72.00	3000	14.59	13.40	27.99	14.73	13.65	28.38	14.62	13.48	28.11	0.991	0.982	0.986	0.998	0.994	0.996
2963	36.00	2999	7.30	6.70	14.00	n/a	n/a	n/a	7.37	6.80	14.60	n/a	n/a	n/a	0.990	0.985	0.959
2982	18.00	3000	3.65	3.35	7.00	n/a	n/a	n/a	3.72	3.46	7.19	n/a	n/a	n/a	0.981	0.968	0.973

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.2%
NMHC	1.000	1.004	0.2%
THC	1.000	1.005	0.4%

Comments:

sample filter changed

Use Zero Chrom? **Yes**

Station: PRAMP RENO-B Daily: 16-02-2023 Type: AVG 1 Min. [1 Min.]

Meteorological System Checklist

Date:	February 16, 2023		
Technician:	Chris Wesson		
Station:	PRAMP Reno		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15877
Temperature Sensor:	Rotronic	HC2-S3	20467597
Barometric Pressure Sensor:	MetOne	92	A17940
Relative Humidity Sensor:	Rotronic	HC2-S3	20467597
Anemometer:	RM Young	05305AQ	174795

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	January 6, 2023	Audit: 16:08-16:21
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	January 6, 2023
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	FS 160459244 expires June 14, 2023
Reference Temperature (^{o}C):	0.8
Station - Ambient Temperature (^{o}C):	0.9
Temperature Difference (^{o}C):	-0.1

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	January 6, 2023	
Reference Barometer ID:	Brunton 05535 expires Feb 22, 2023	
Reference Pressure - Units/Reading:	millibar	930.6
Station Pressure - Units/Reading:	millibar	931
Pressure Tolerance +/- 15% of error:	791 - 1070	-0.04%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	January 6, 2023	
Reference Hygrometer ID:	FS 160459244 expires June 14, 2023	
Reference Hygrometer % RH- Reading:	75.40	
Station Hygrometer % RH- Reading:	75.20	
RH Tolerance +/- 15% of difference:	64.09 - 86.71	0.3%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	January 6, 2023	Previous check date:	January 6, 2023
Wind Speed Observed (kph):	20-~30	Wind Direction Observed:	W
Wind speed on Data Logger (kph):	24	Wind Direction on Data Logger:	W
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Reno-B	**Reviewed By:**	Limin Li
Audit Date:	November 23, 2022	**Start/End Time (mst):**	15:40 / 16:44
Calibration Purpose:	installation	**Weather Conditions:**	Mainly cloudy with clear 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 #:	174795	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	n/a	**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	0	353	0.0	2.0	1.0
30	330	28	327	2.0	3.0	2.5
60	300	58	298	2.0	2.0	2.0
90	270	89	271	1.0	-1.0	1.0
120	240	119	238	1.0	2.0	1.5
150	210	149	208	1.0	2.0	1.5
180	180	179	178	1.0	2.0	1.5
210	150	208	149	2.0	1.0	1.5
240	120	237	119	3.0	1.0	2.0
270	90	267	89	3.0	1.0	2.0
300	60	297	58	3.0	2.0	2.5
330	30	329	28	1.0	2.0	1.5
355	0	353	0	2.0	0.0	1.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.7**

Comments:

Declination = 15 deg East
Output via RMY 32400 serial interface

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202302-01689

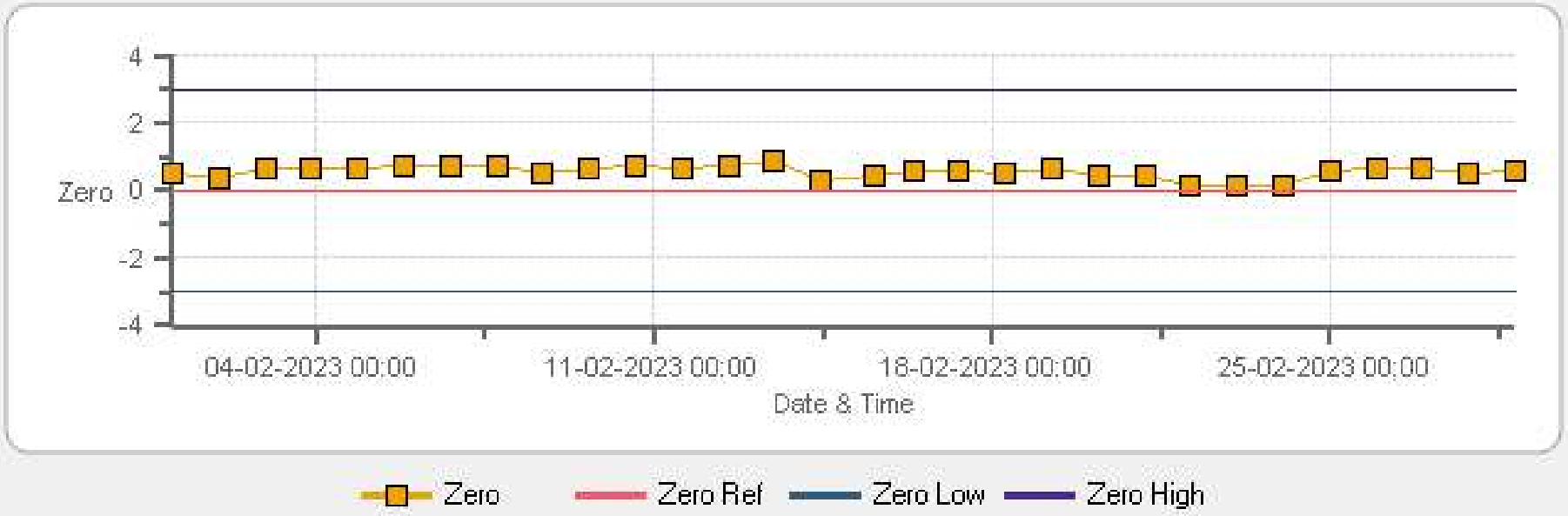
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

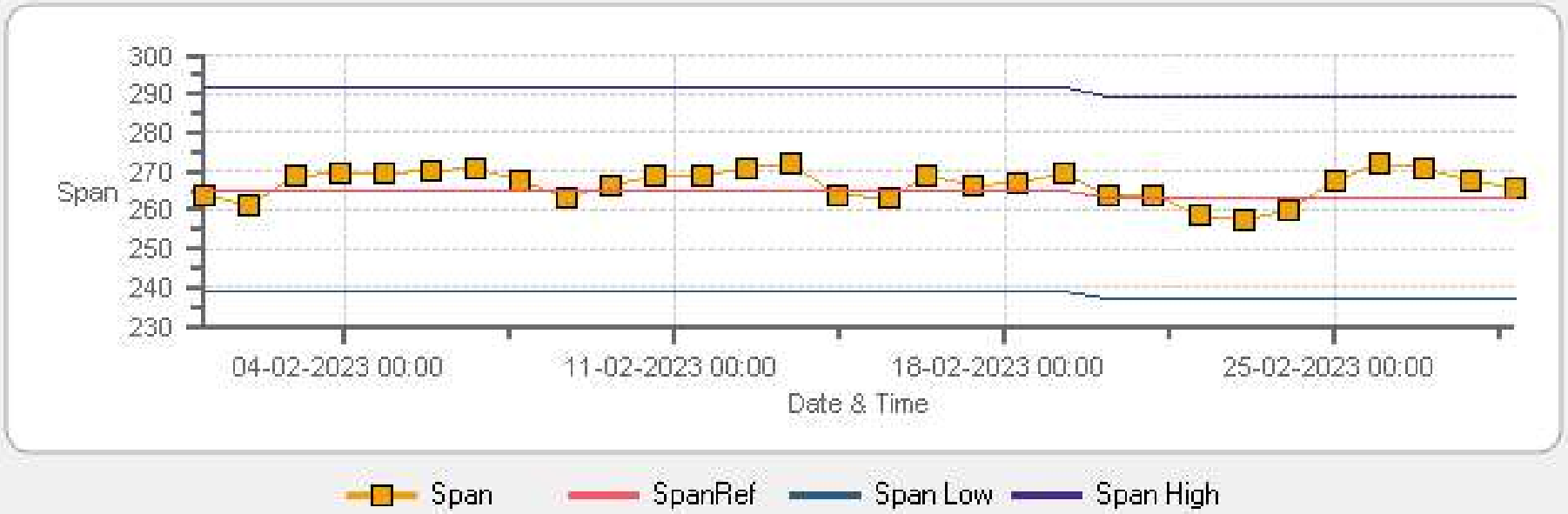
March 10, 2023

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

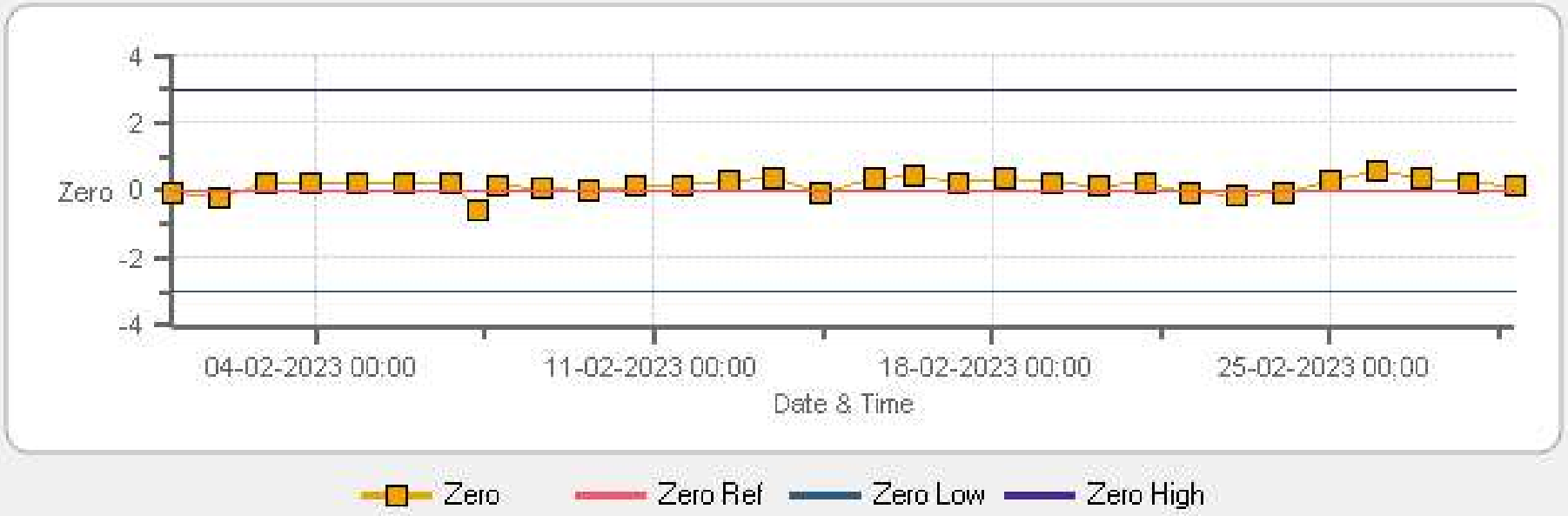
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero



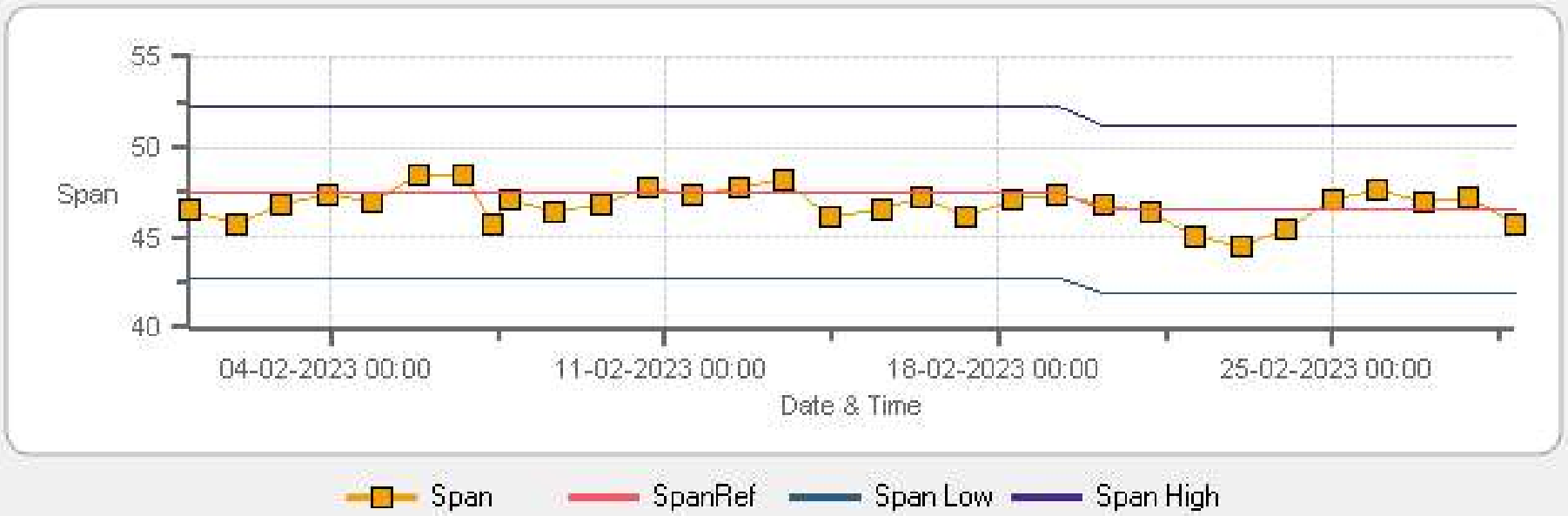
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span

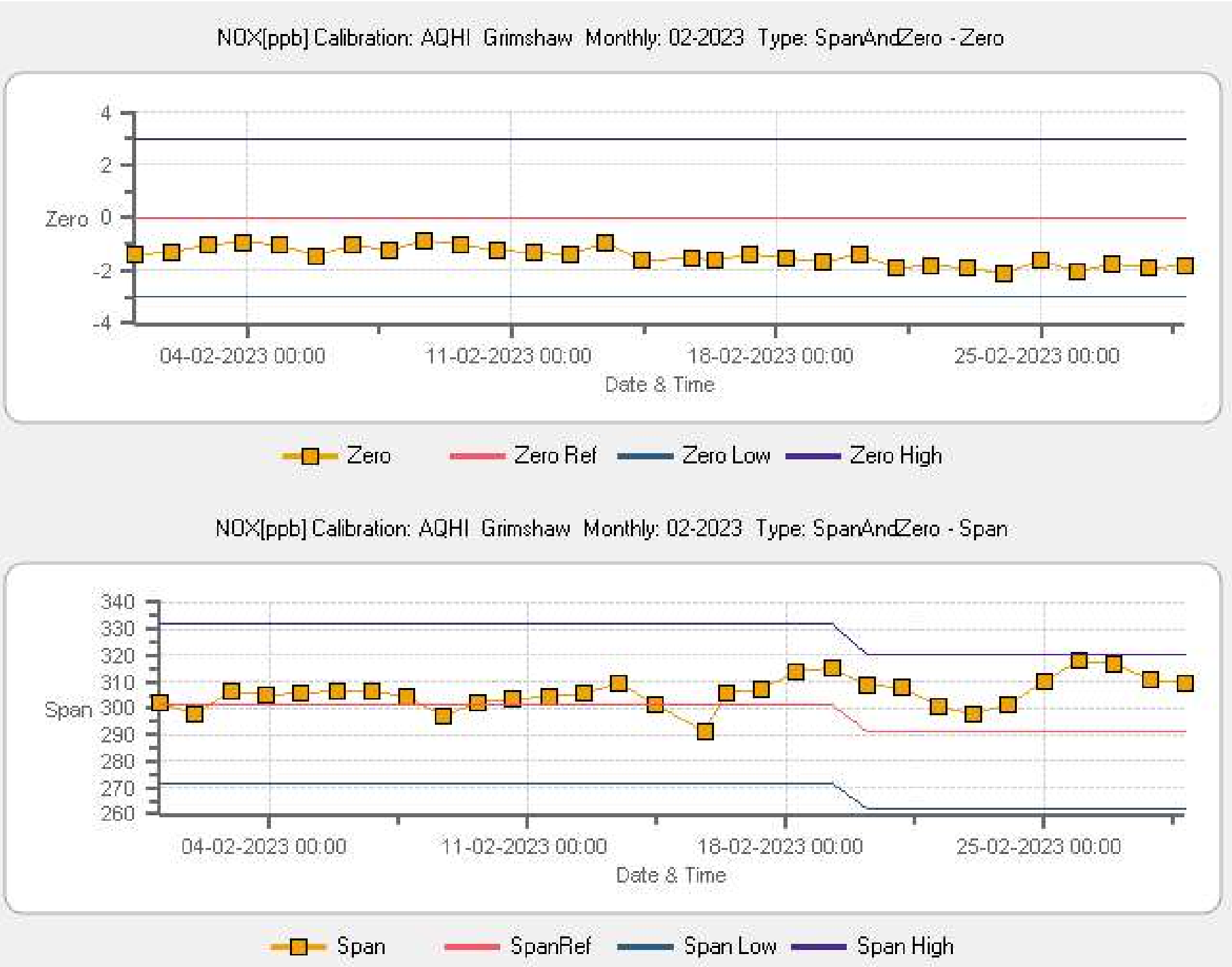


TRS[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero

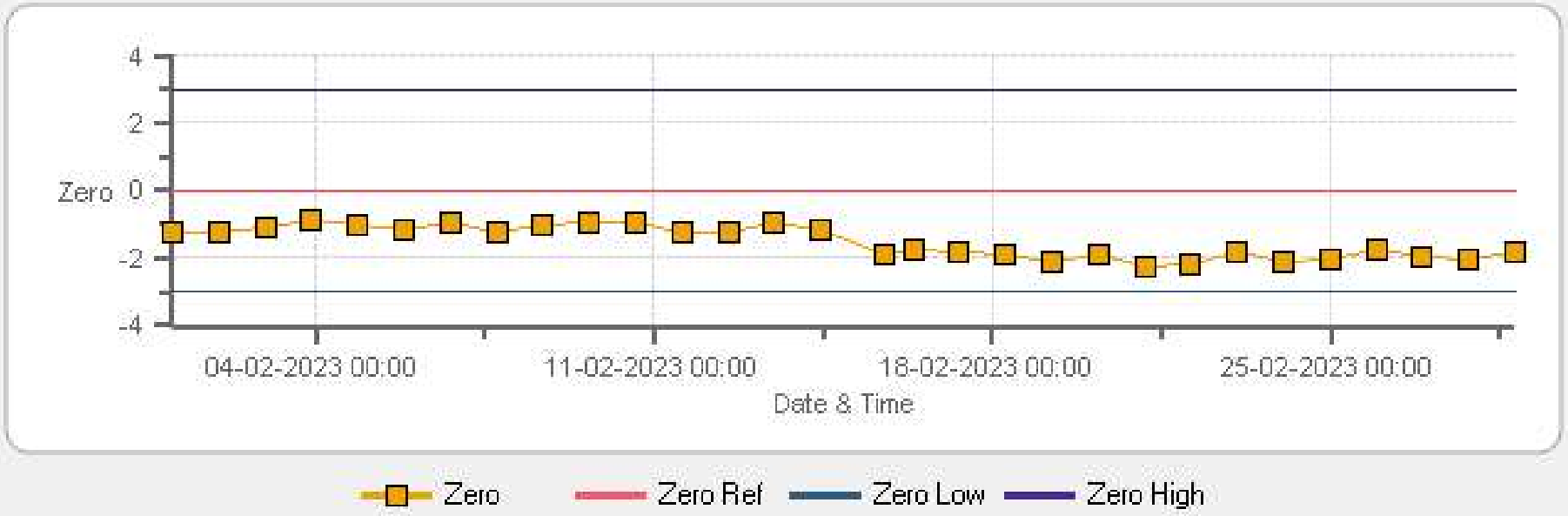


TRS[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span

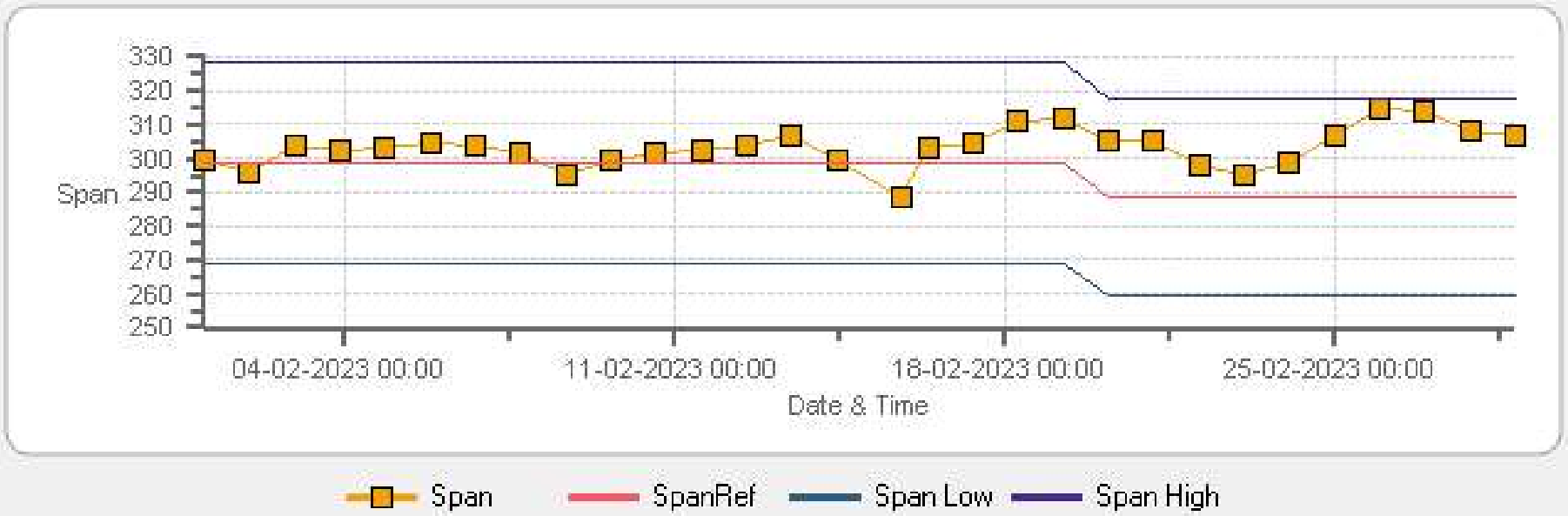


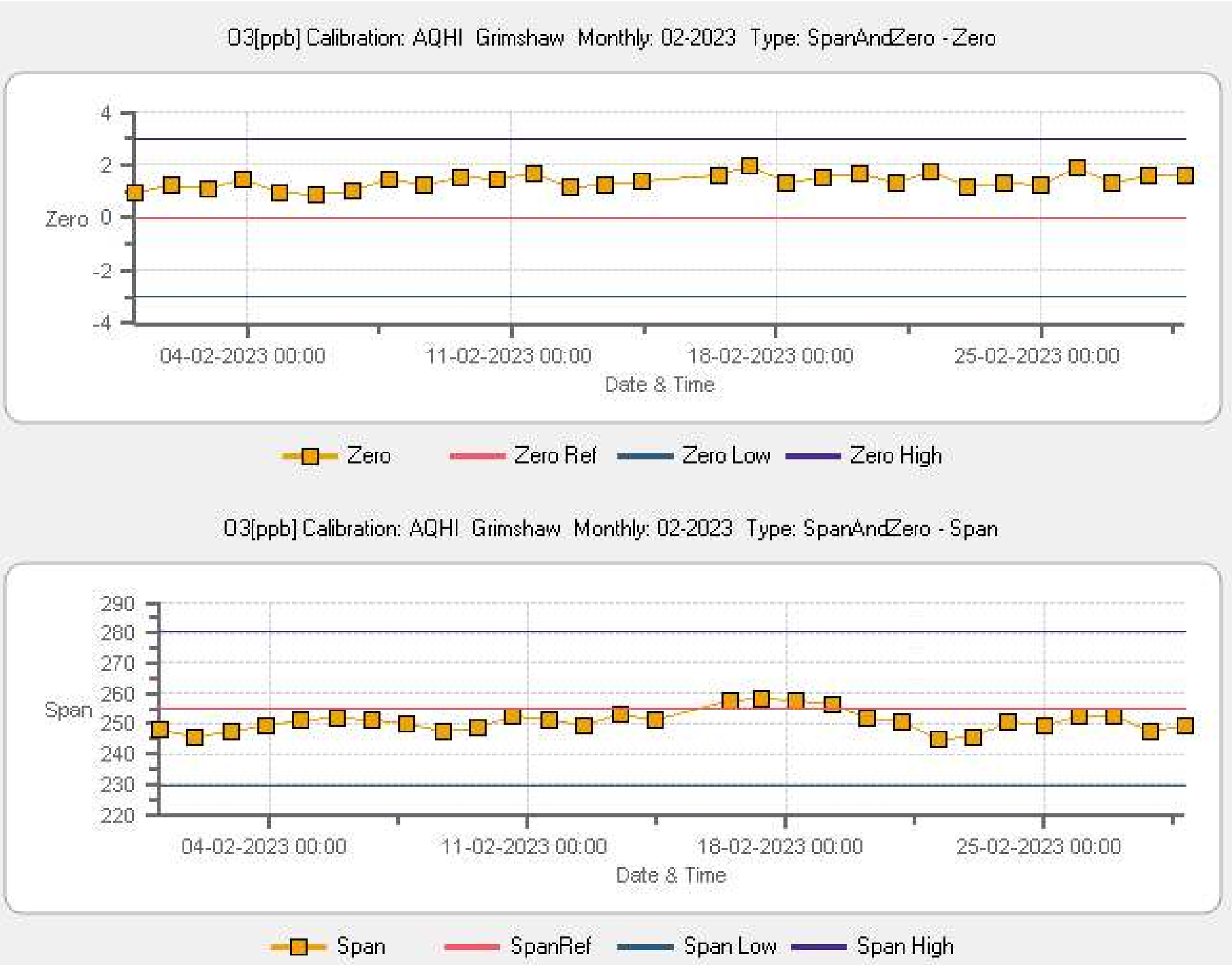

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero
Zero
4
2
0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span
Span
340
330
320
310
300
290
280
270
260
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero

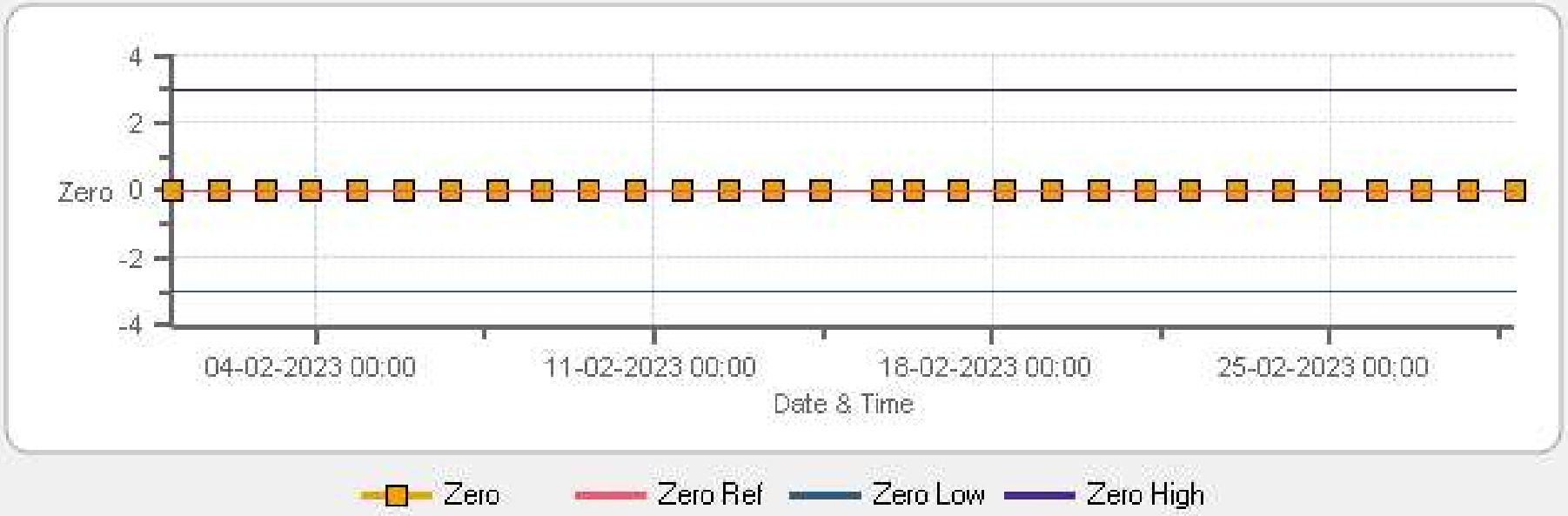


NO2[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span

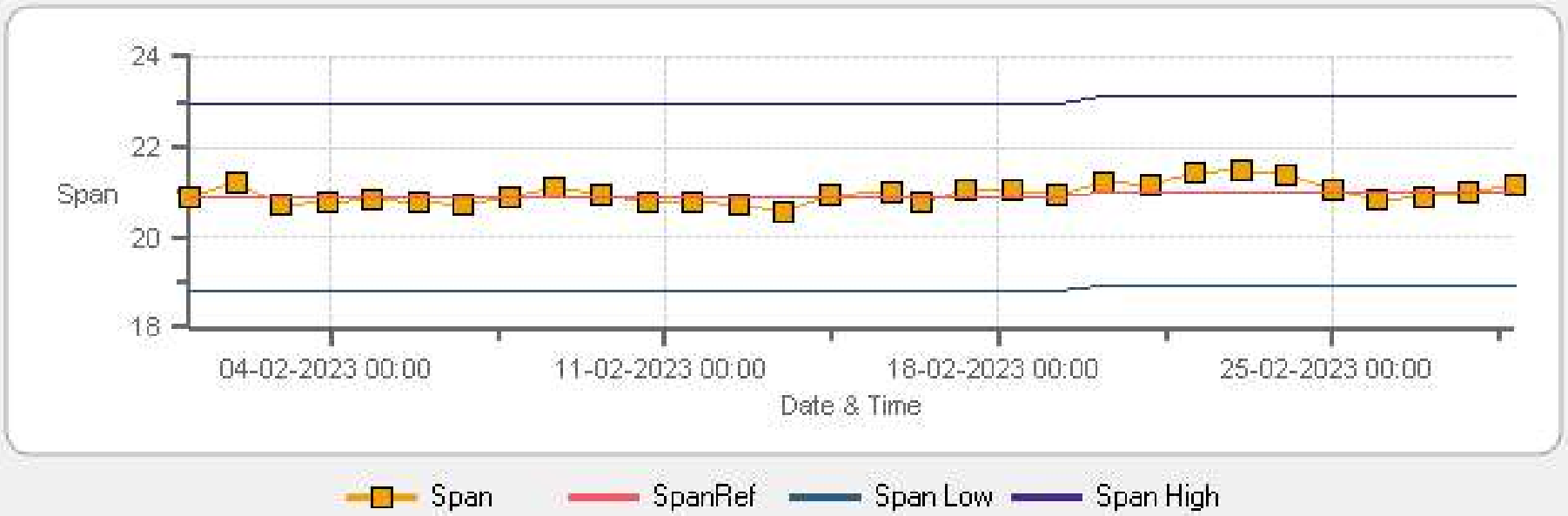



O3[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High
O3[ppb] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span
290
280
270
260
Span 250
240
230
220
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

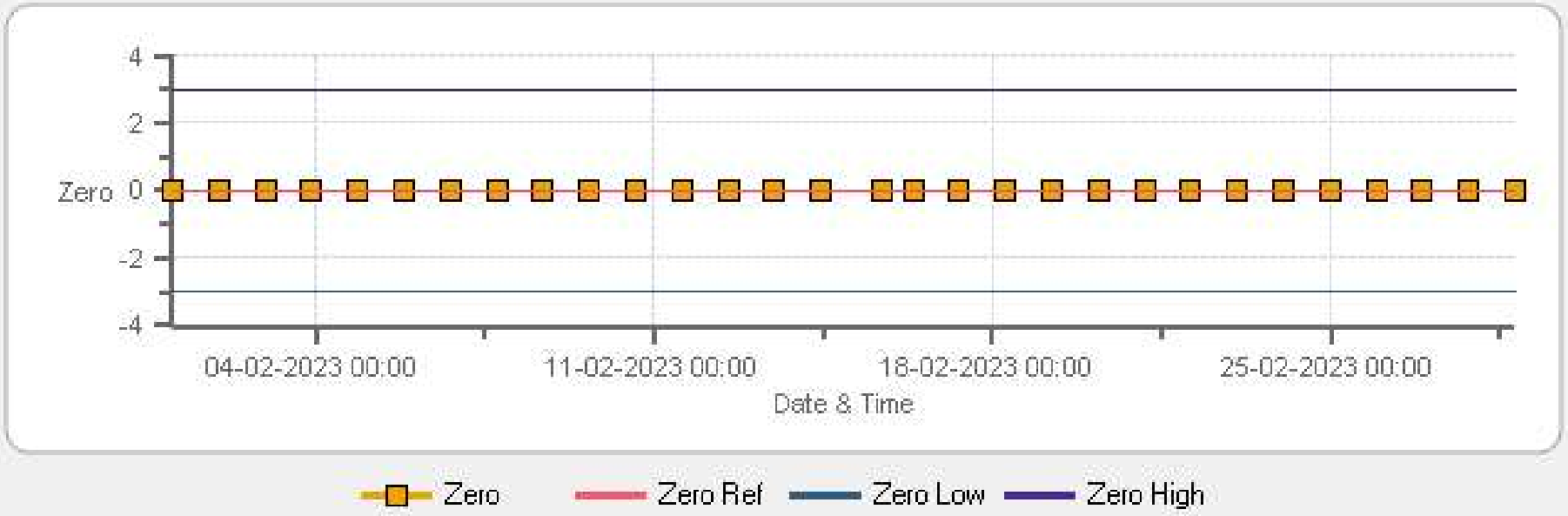
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero



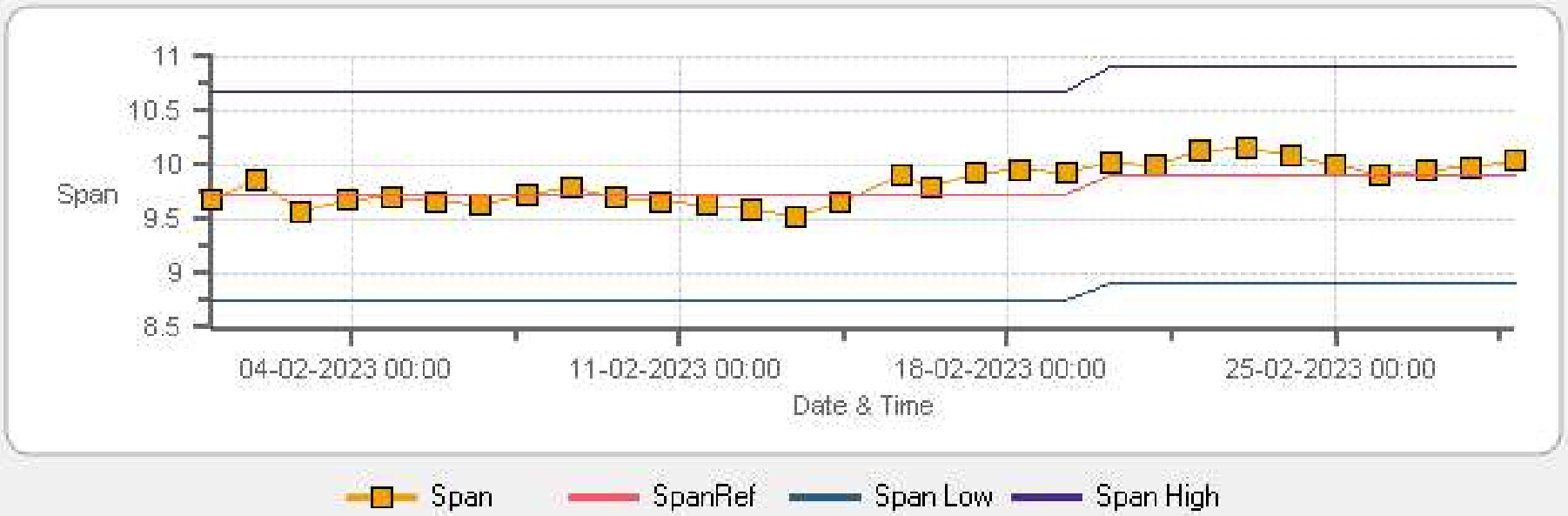
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span



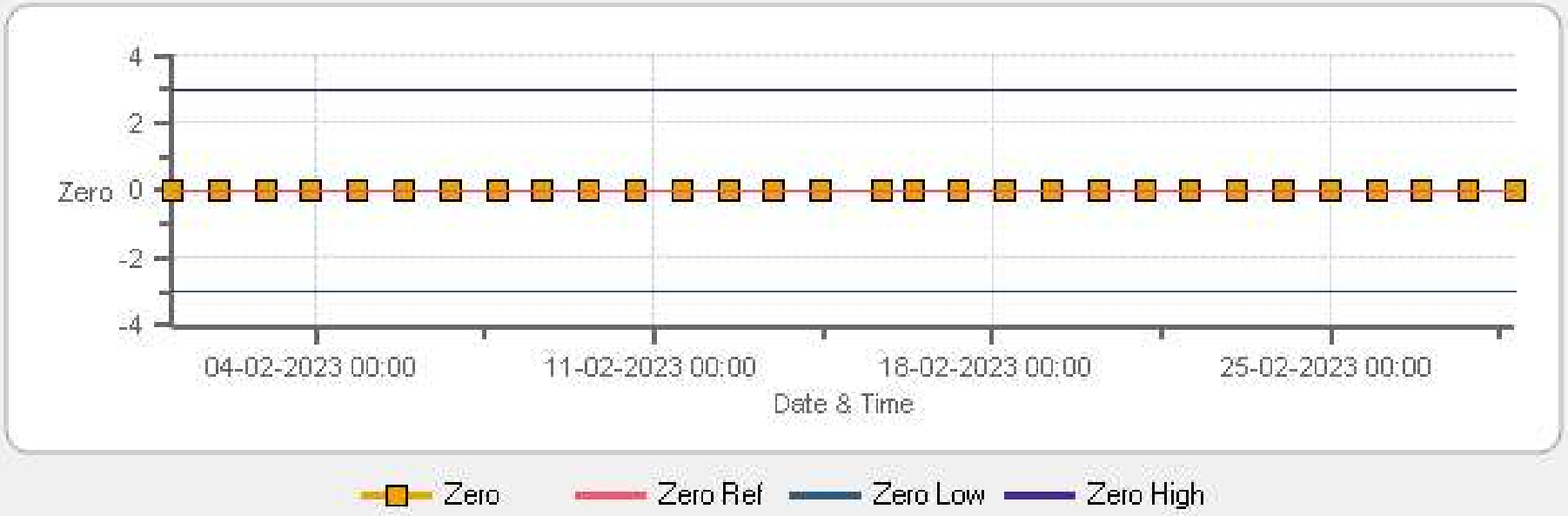
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero



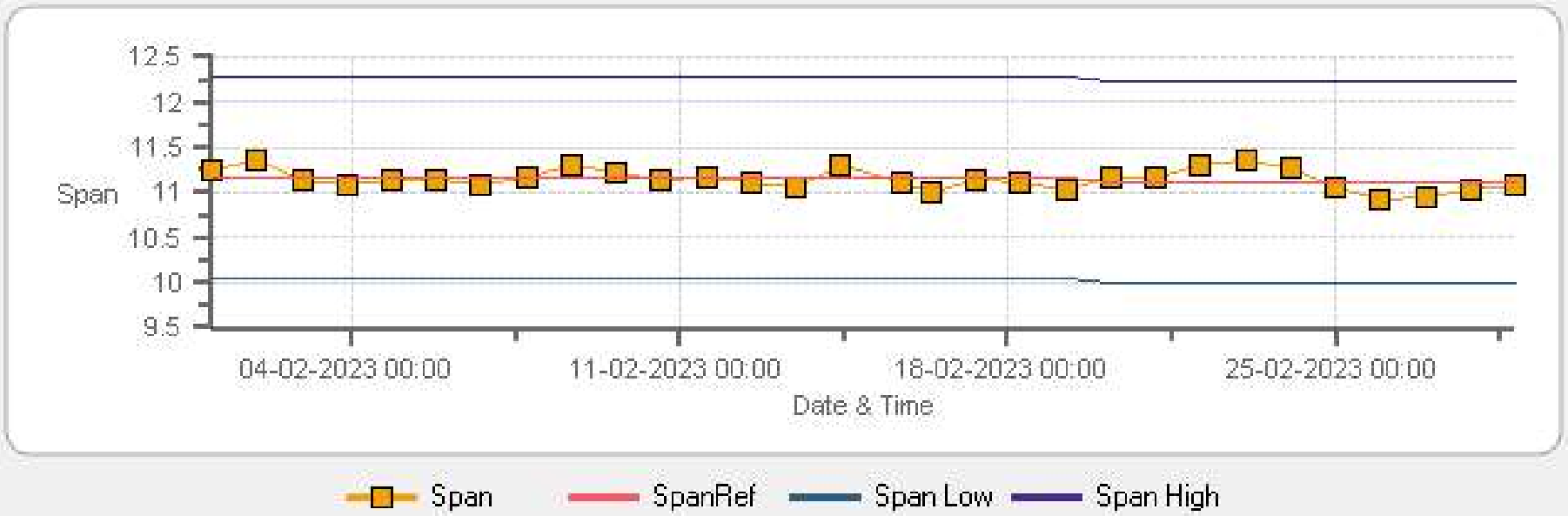
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 02-2023 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	15-Feb-2023	PREVIOUS CALIBRATION DATE:	19-Jan-2023
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	08:50
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:15

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	523
INITIAL		FINAL	
BKG/OFFSET	27.6	BKG/OFFSET	27.9
COEF/SLOPE	0.922	COEF/SLOPE	0.921
Expected (reference) Value	265.3	Expected (reference) Value	263

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	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):	1100	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:

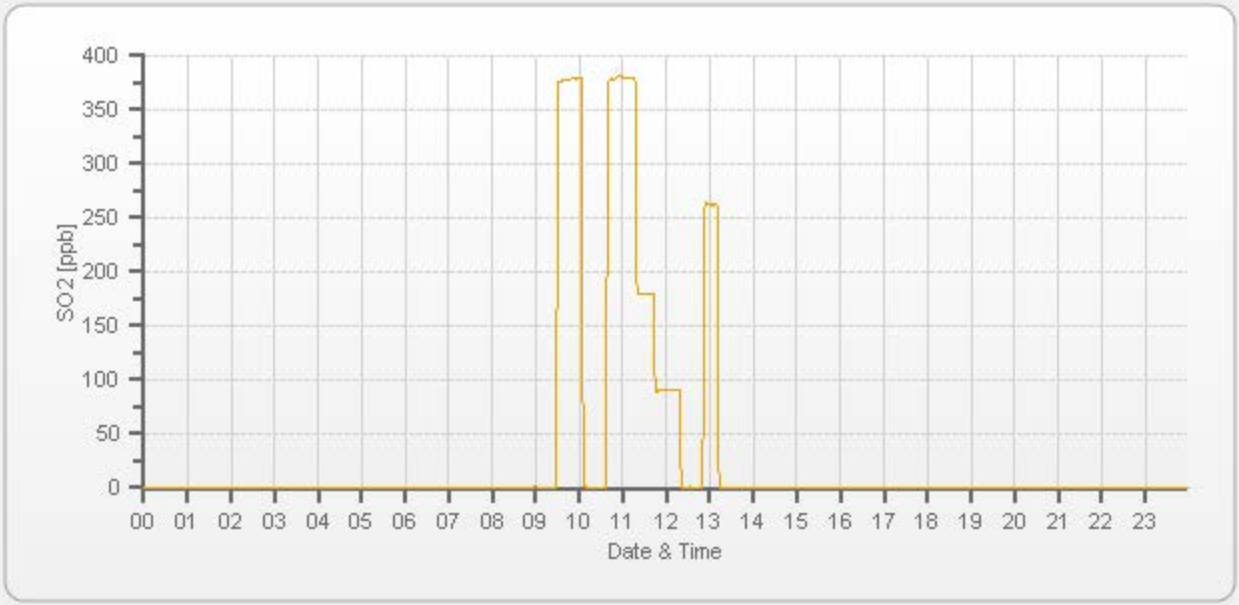
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.3	0		
3940	60.60	4001	380.17	379.2	380.1	1.003	1.000
3969	28.70	3998	180.18	n/a	179.8	n/a	1.002
3987	14.30	4001	89.71	n/a	90.1	n/a	0.996

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.0%

COMMENTS:

Sample filter changed.


SO2[ppb] Station: AQHI Grimshaw Daily: 15-02-2023 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
SO2 [ppb]
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	15-Feb-2023	PREVIOUS CALIBRATION DATE:	20-Jan-2023
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	08:50
PERFORMED BY:	Chris Wesson	END TIME (MST):	13:16

ANALYZER:

MAKE/MODEL	Teledyne T100U	RANGE	100 ppb
SERIAL #	132	FLOW (mL/min)	541
INITIAL		FINAL	
BKG/OFFSET	28.2	BKG/OFFSET	28
COEF/SLOPE	1.153	COEF/SLOPE	1.151
Expected (reference) Value	47.51	Expected (reference) Value	46.49

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1200	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

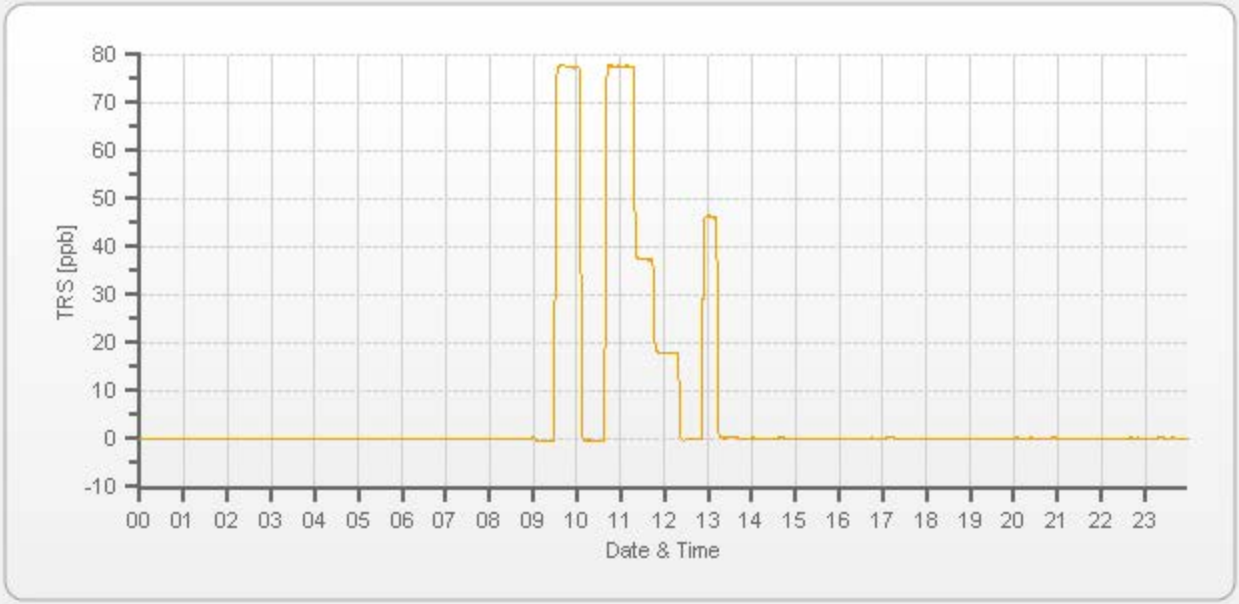
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	-0.1	0		
3968	33.10	4001	77.85	77.63	77.93	1.002	0.999
3982	16.20	3998	38.13	n/a	37.63	n/a	1.013
3993	8.10	4001	19.05	n/a	18.28	n/a	1.042

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.004	-0.4%

COMMENTS:

Converter, CDNova CDN-101 #576


TRS[ppb] Station: AQHI Grimshaw Daily: 15-02-2023 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
80
70
60
50
40
30
20
10
0
-10
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
TRS [ppb]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

DATE:	15-Feb-2023	PREVIOUS CALIBRATION DATE:	19-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	08:50
PERFORMED BY:	Chris Wesson	END TIME (MST):	18:58

ANALYZER:

MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
SERIAL #:	837	NOx	1.001
FLOW (mL/min)	441	NO	1.002
RANGE (ppb)	500	NO2	0.992
GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	EY 0001013		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	NO/NOx (PPM):	49.2	49.4	HIGH EXPIRY:	n/a
ID:	26701218	ID:	4568	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2022	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:	2.1	-0.1	n/a	BKG/OFFSET:	3.2	-0.5	n/a
SLOPE/COEF/CE:	1.16	1.156	0.997	SLOPE/COEF/CE:	1.183	1.181	0.997

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	301.8	2.5	299.0		291.3	2.8	288.6

CALIBRATION PARAMETERS:

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

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
5000		5000	0.0	0.0	0.0	0.3	0.2	-0.2	0.0	0.0	0.0						
4959	40.10	4999	394.7	396.3	1.6	383.9	389.5	5.6	394.7	397.0	2.3	1.029	1.018		1.000	0.998	
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	178.8	178.1	-0.7	n/a	n/a		1.007	1.015	
4991	9.00	5000	88.6	88.9	0.4	n/a	n/a	n/a	89.3	87.7	-1.7	n/a	n/a		0.992	1.014	

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	392.0	391.6	-0.3				
AS-FOUND HIGH	40.10	4999	250	141.9	391.8	249.9	250.1	250.2	1.000	100.04%
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	150	243.1	390.7	147.6	148.9	147.9	1.007	99.33%
LOW	40.10	4999	57	337.3	390.6	53.3	54.7	53.6	1.021	97.99%
NO2 adjustment not required.									AVERAGE:	99.12%

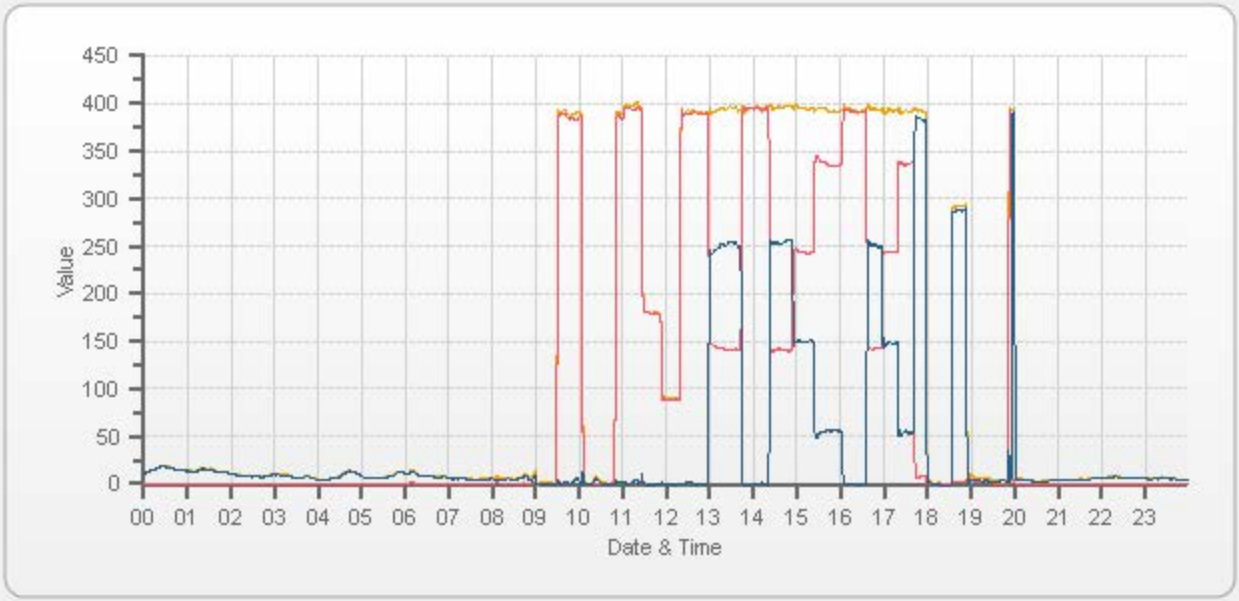
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	0.999	0.00%
NOx	1.000	1.003	-0.25%
NO2	1.000	1.006	-0.32%

COMMENTS:

Extra GPT point for O3: Setpoint = 375, NO drop (O3) = 383.6
13:00-13:42. Initial GPT ref result problematic. Aborted GPT at adjustment and restarted.
16:00 - GPT fails at low point. GPT restarted

Station: AQHI Grimshaw Daily: 15-02-2023 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	16-Feb-2023	PREVIOUS CALIBRATION DATE:	19-Jan-2023
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	1.004
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Grimshaw	BAROMETRIC (mBar):	931
PURPOSE	Routine	START TIME (MST):	07:53
PERFORMED BY:	Chris Wesson	END TIME (MST):	11:16

ANALYZER:

MAKE/MODEL	Teledyne T400	RANGE	500 ppb
SERIAL #	824	FLOW (mL/min)	752
INITIAL		FINAL	
BKG/OFFSET	-1.7	BKG/OFFSET	1.8
COEF/SLOPE	1.039	COEF/SLOPE	1.07
Expected (reference) Value	254.9	Expected (reference) Value	254.9

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	SABIO	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	26701218	ID:	4568
MFC CALIBRATION DATE:	13-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	15-Feb-2023	GPT END TIME:	18:00

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	0.0	0.0		
5000		5000	383.6	372.6	382.6	1.030	1.003
5000		5000	148.9	n/a	149.6	n/a	0.995
5000		5000	54.7	n/a	56.9	n/a	0.961

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.995	0.2%

COMMENTS:

Sample filter changed


O3[ppb] Station: AQHI Grimshaw Daily: 16-02-2023 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
O3 [ppb]
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
O3 [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	15-Feb-2023	PREVIOUS CALIBRATION DATE:	19-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	22.7
LOCATION:	Grimshaw	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	13:18
PERFORMED BY:	Chris Wesson	END TIME (MST):	17:46

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1191032505	1123
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.997	0.997	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL28583		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	608.0	203.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	4568	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	Internal	EXPIRY DATE	18-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	558.3
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1166.3

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.72	11.17	20.89		9.91	11.11	21.02

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
3253		3253	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3173	78.00	3251	14.59	13.39	27.98	14.41	13.46	27.87	14.56	13.37	27.93	1.012	0.995	1.004	1.002	1.002	1.002
3212	39.00	3251	7.29	6.70	13.99	n/a	n/a	n/a	7.30	6.75	14.05	n/a	n/a	n/a	0.999	0.992	0.996
3234	19.50	3253	3.64	3.35	6.99	n/a	n/a	n/a	3.66	3.42	7.08	n/a	n/a	n/a	0.996	0.978	0.987

LINEAR REGRESSION ANALYSIS:

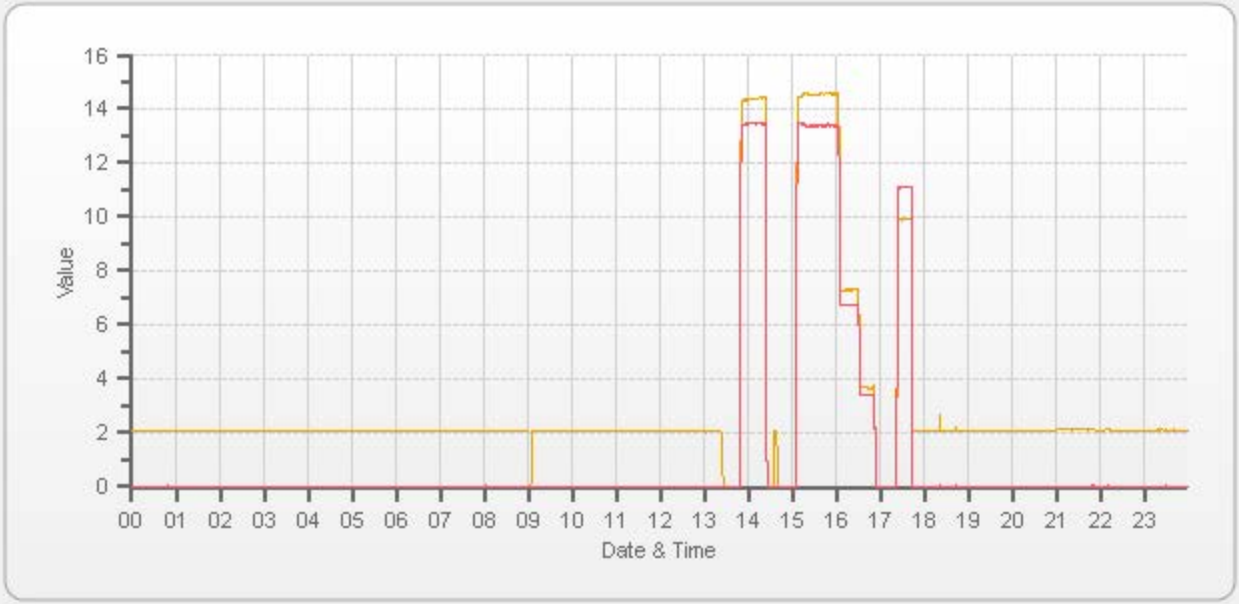
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.998	0.1%
NMHC	1.000	0.997	0.2%
THC	1.000	0.997	0.1%

Comments:

Span gas exchanged

Use Zero Chrom? **Yes**

Station: AQHI Grimshaw Daily: 15-02-2023 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	February 15, 2023	January 19, 2023	**Weather Conditions:**	Mix of sun and clouds	
Company:	PRAMP		**Start Time (mst):**	13:59	
Station:	Grimshaw		**End Time (mst):**	14:27	
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):**	No	
Reference Standards/I.D./Expiry Date:					
Flow Standard:	DeltaCal DC1 S/N 206578 / Sept 21, 2023		**Temperature:**	DeltaCal DC1 S/N 206578 / Sept 21, 2023	
Digital Manometer:	DeltaCal DC1 S/N 206578 / Sept 21, 2023		**Pressure:**	DeltaCal DC1 S/N 206578 / Sept 21, 2023	

DIAGNOSTICS:

Ambient Pressure (mmHg)	709.1	Ambient Temp (°C)	-8.9	ASC Heater Duty (%)	0.0
Box Temp (°C)	26.3	Current PMT HV (V)	1536	LED Temp (°C)	34.17
P3 Value	48	PMT Setting (V)	1542	Pump PWM (%)	41
Sample Flow (L/min)	4.95	Sample RH (%RH)	6.7	Sample Temp (°C)	24.1

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)	706.9	709.2	706.9	706.9	+/- 10 mm Hg
Ambient Temperature (°C)	-9.60	-9.7	n/a		+/- 2°C
Sample Flow (L/min)	5.01	5.01	n/a	n/a	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
Additional Monthly Maintenance :					***Completed***
				Inlet cleaned?	Yes
				Sample tubing inspected (inner and outer)?	Yes

Comments:

No issues

Meteorological System Checklist

Date:	February 15, 2023		
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 19, 2023		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	DeltaCal DC1 S/N 206578 / Sept 21, 2023		
Reference Temperature (°C):	-9.6		
Station - Ambient Temperature (°C):	-9.5		
Temperature Difference (°C):	-0.1		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 19, 2023		
Reference Barometer ID:	DeltaCal DC1 S/N 206578 / Sept 21, 2023		
Reference Pressure - Units/Reading:	millibar	942.5	
Station Pressure - Units/Reading:	millibar	943.6	
Pressure Tolerance +/- 15% of error:	801 - 1084	-0.12%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	January 19, 2023	Previous check date:	January 19, 2023
Wind Speed Observed (kph):	0~10	Wind Direction Observed:	E
Wind speed on Data Logger (kph):	5	Wind Direction on Data Logger:	E
		Wind Direction Pass/Fail?:	Pass

Comments

Unable to check RH due to problem with standard

Meteorological Sensor Audit/Calibration

Location Information

Company:	Bureau Veritas	**Performed By:**	Ferdinand Roy
Audit Location:	Grimshaw	**Reviewed By:**	Chris Wesson
Audit Date:	July 12, 2022	**Start/End Time (mst):**	13:57 / 16:52
Calibration Purpose:	routine annual	**Weather Conditions:**	Cloudy/Overcast

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:	n/a	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18801 id# CA01648 expires August 6, 2022

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	0	354	0.2	0.8	0.5
30	330	27	331	3.3	-0.6	2.0
60	300	56	300	3.8	-0.3	2.1
90	270	87	268	2.8	1.9	2.3
120	240	117	236	3.3	4.0	3.7
150	210	147	204	2.6	5.6	4.1
180	180	177	175	3.3	4.6	4.0
210	150	207	145	3.1	4.8	4.0
240	120	238	115	2.4	5.0	3.7
270	90	270	85	0.3	5.1	2.7
300	60	300	57	-0.3	3.1	1.7
330	30	330	26	-0.3	3.6	2.0
355	0	354	0	0.8	0.1	0.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.5**

Comments:

Output via RMY32400 serial interface

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202302-01698

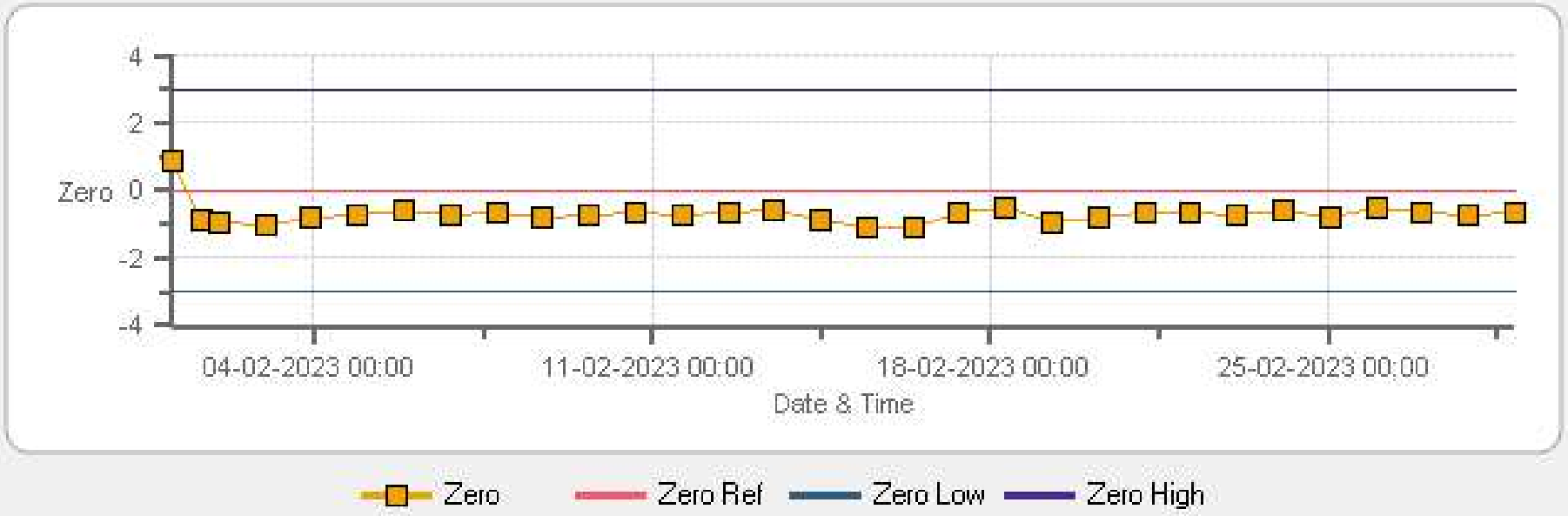
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

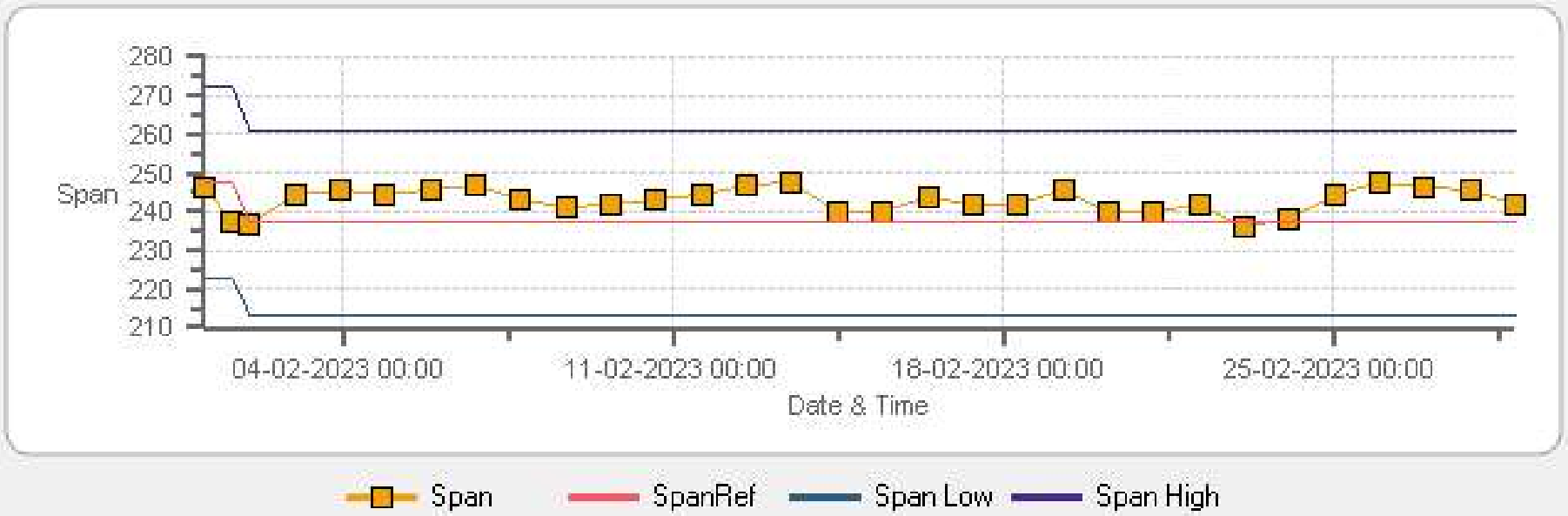
March 10, 2023

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

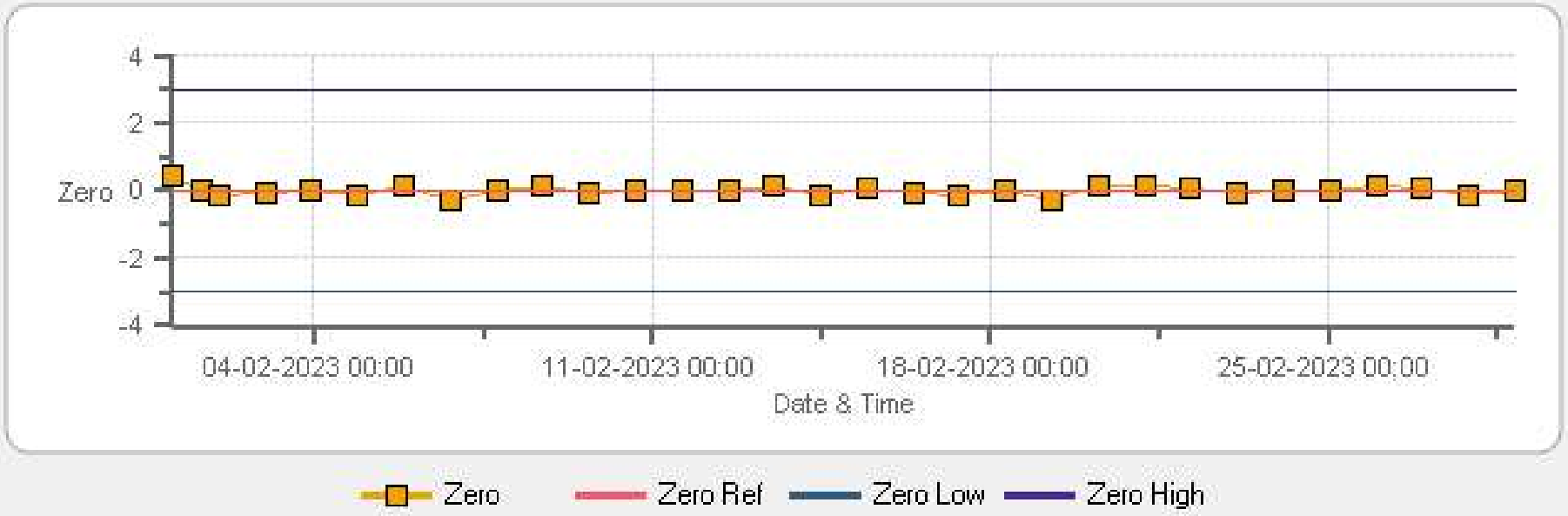
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero



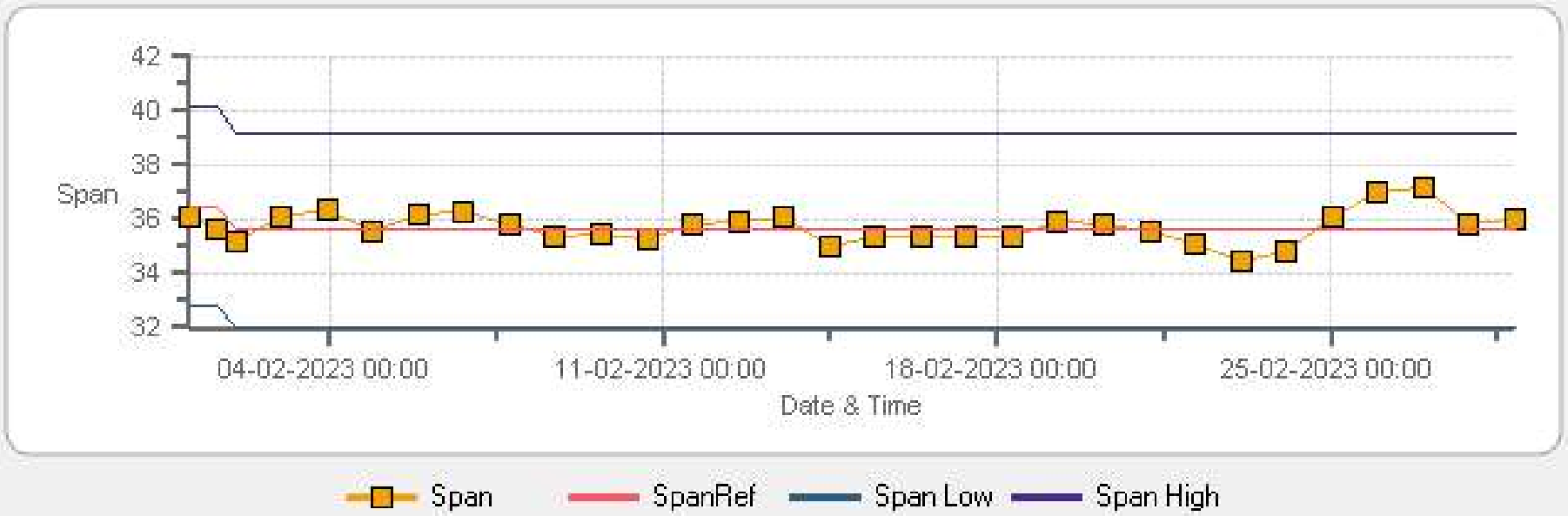
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span

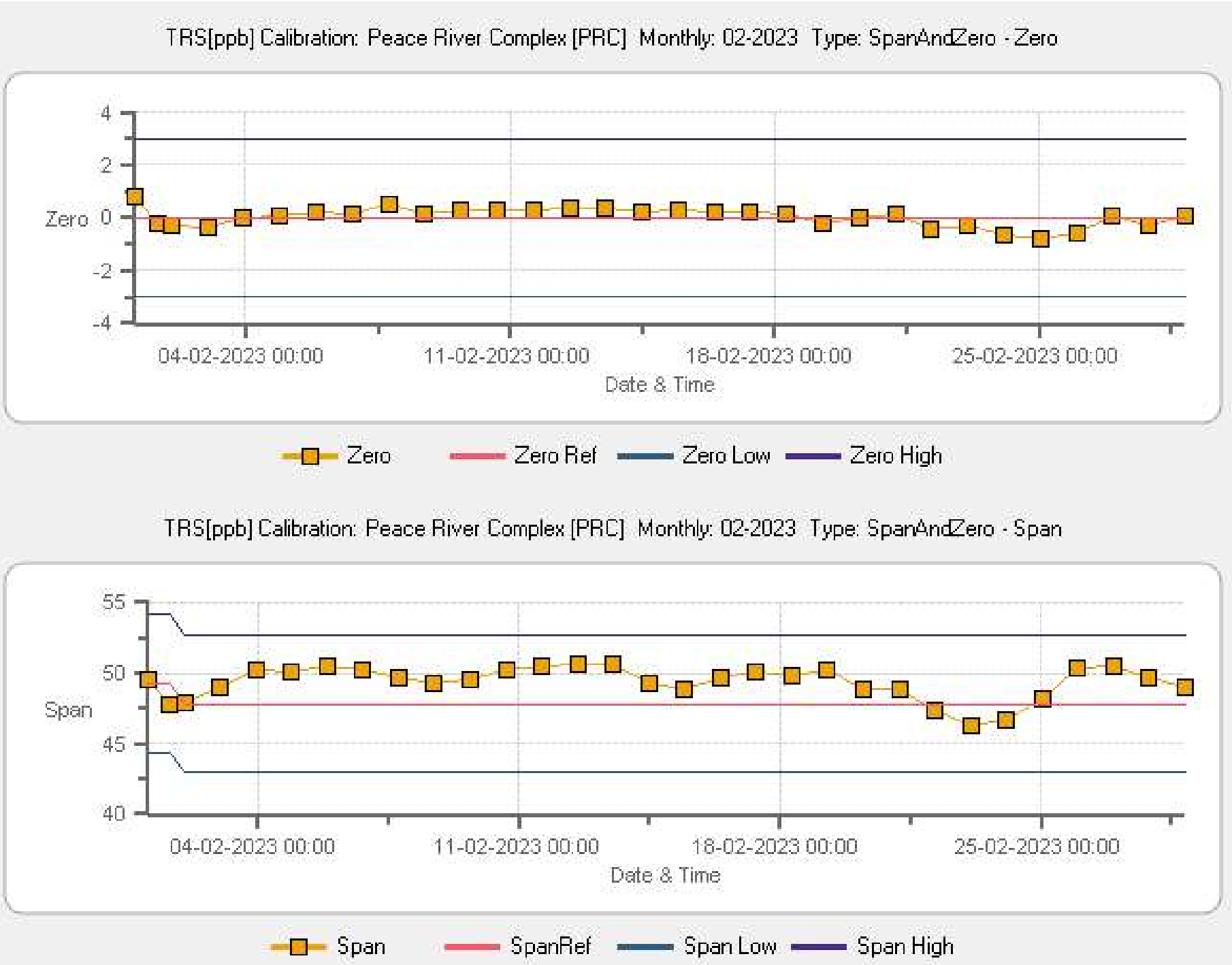


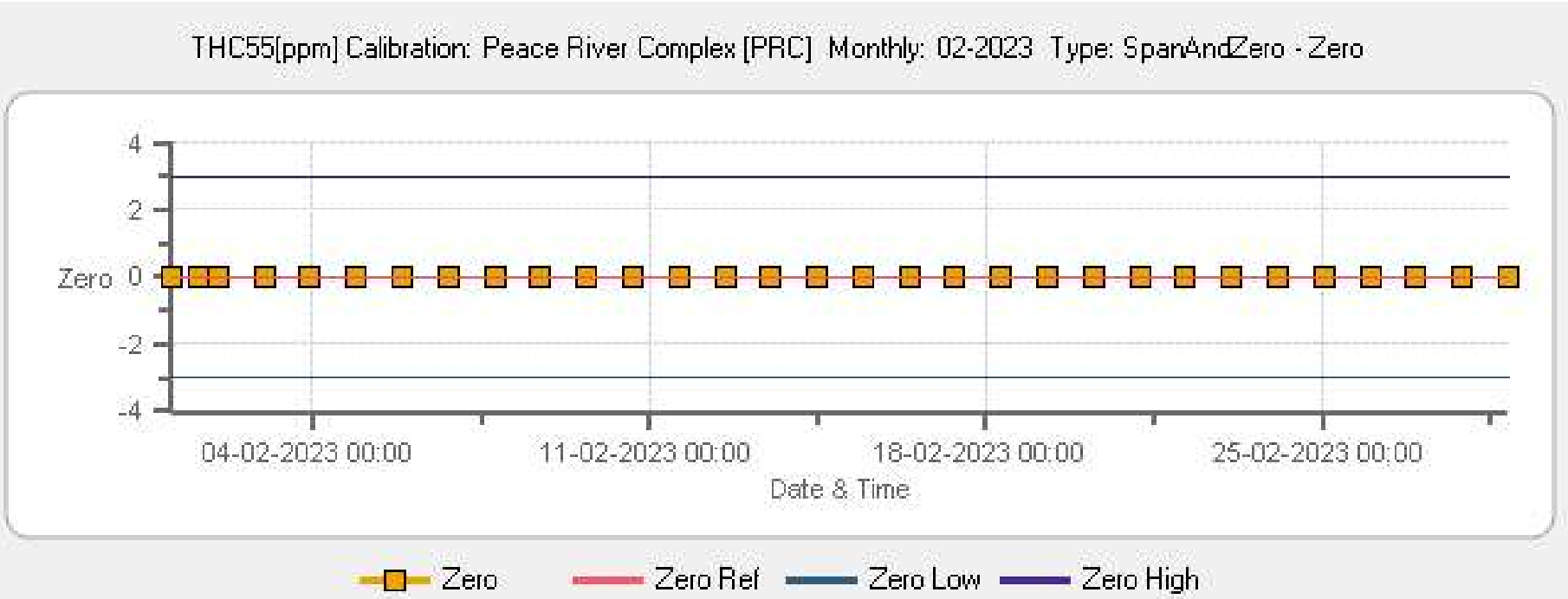
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero

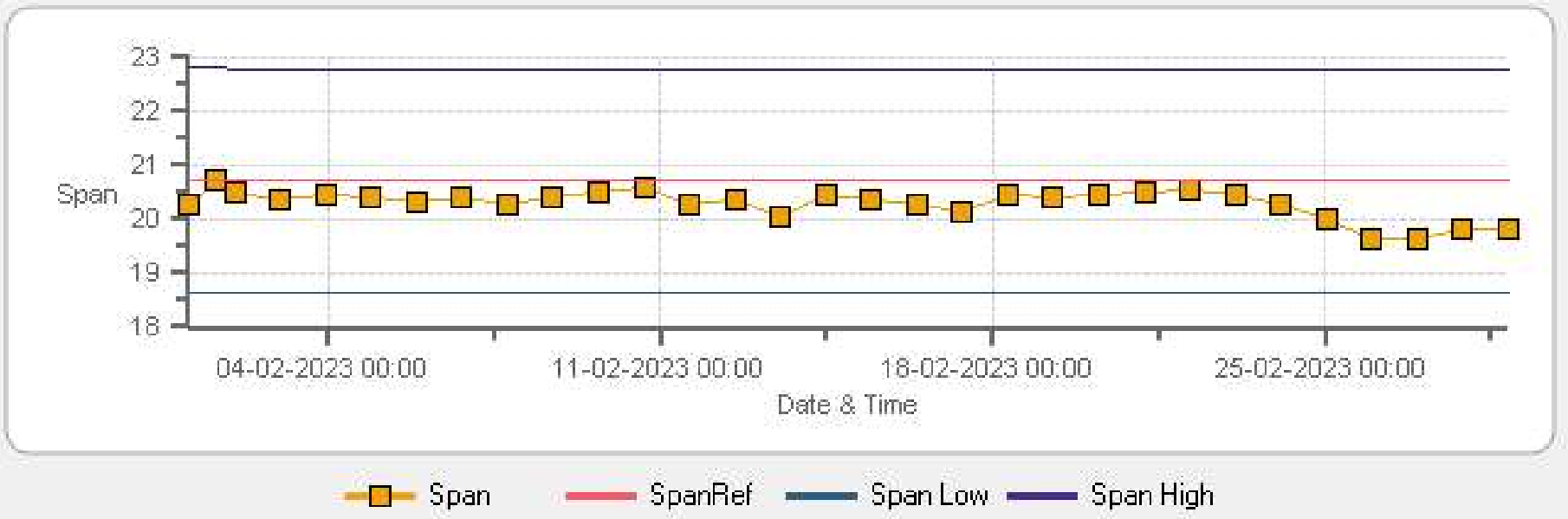


H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span

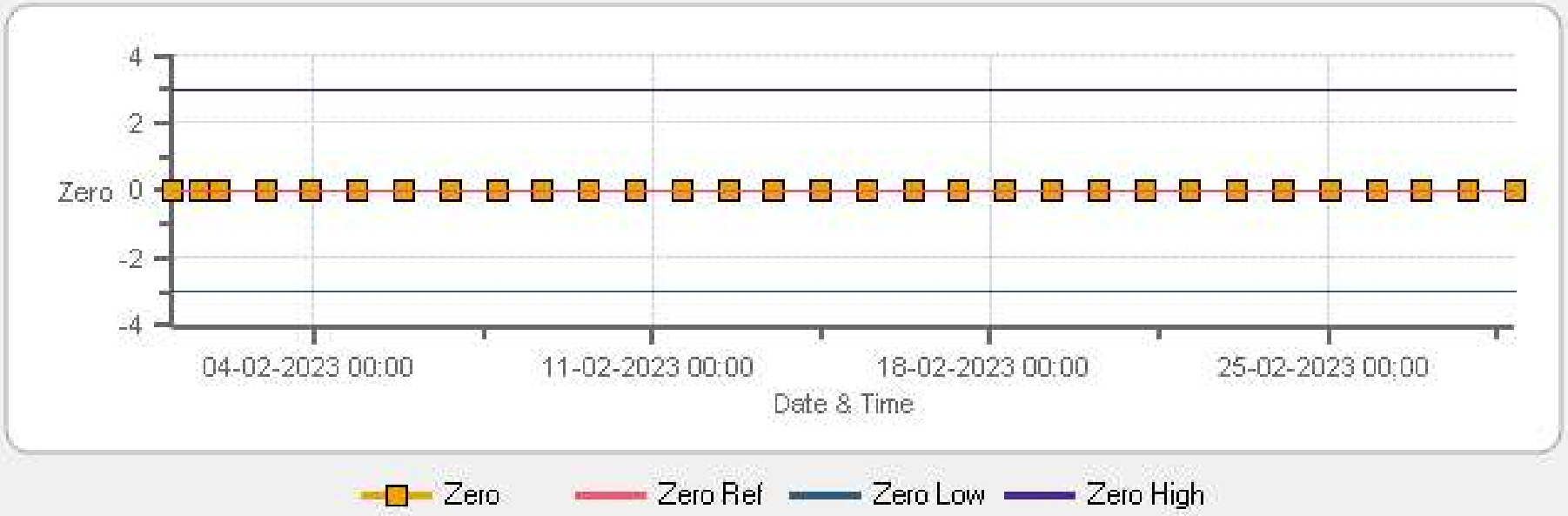



TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span
55
50
Span
45
40
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

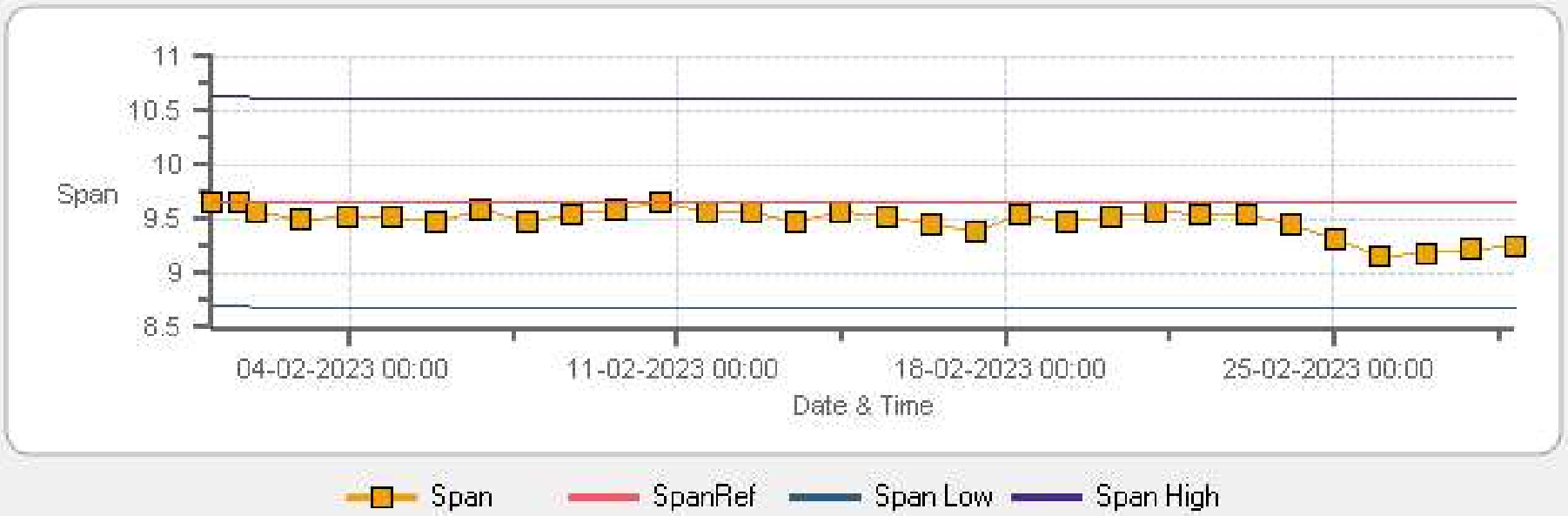

THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High

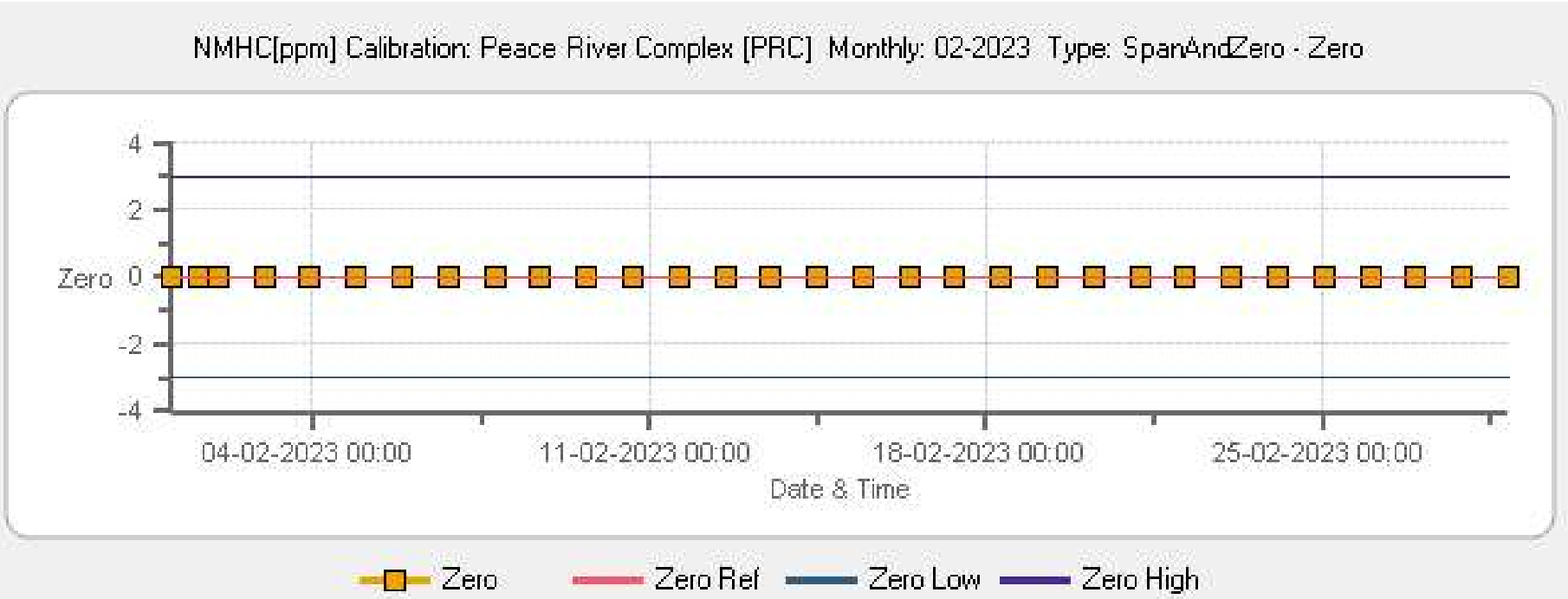

THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span
23
22
21
Span
20
19
18
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

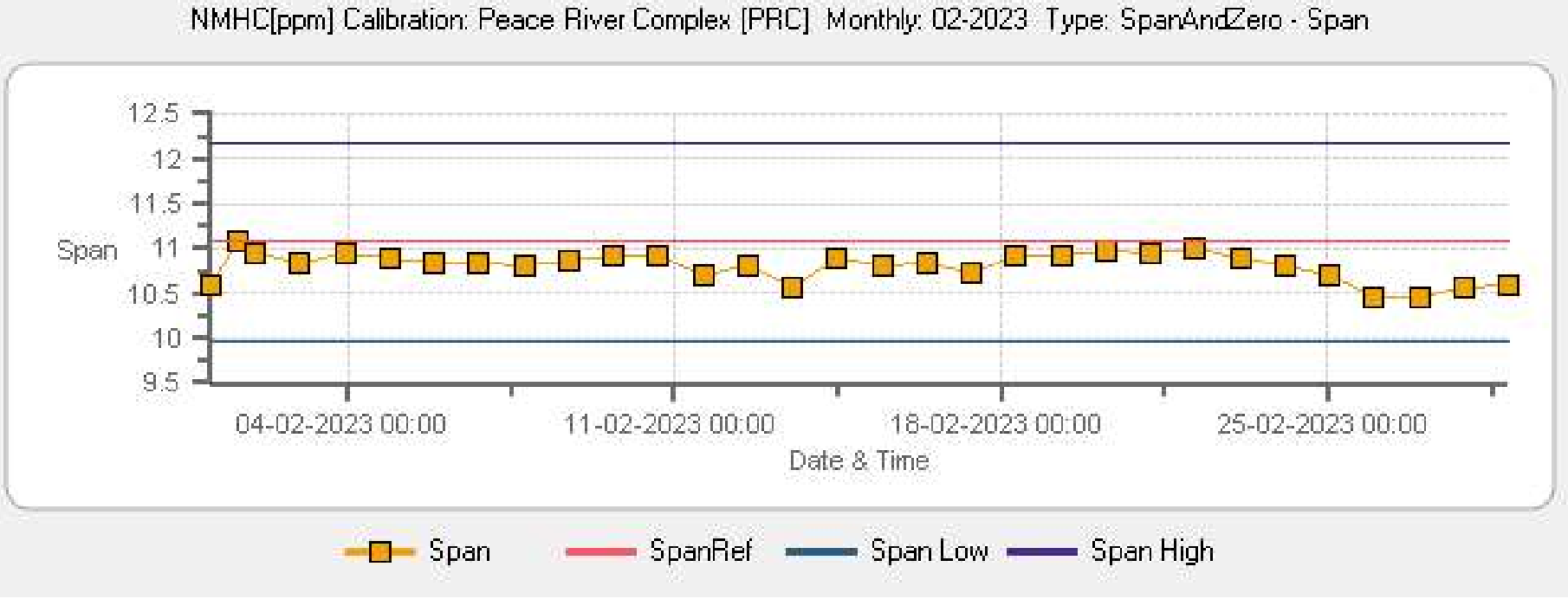
CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero



CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span




NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Zero
Zero Ref
Zero Low
Zero High


NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 02-2023 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
04-02-2023 00:00
11-02-2023 00:00
18-02-2023 00:00
25-02-2023 00:00
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	01-Feb-2023	PREVIOUS CALIBRATION DATE:	05-Jan-2023
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	21.9
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	11:26
PERFORMED BY:	Chris Wesson	END TIME (MST):	15:57

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	441
INITIAL		FINAL	
BKG/OFFSET	19.3	BKG/OFFSET	19.8
COEF/SLOPE	1.109	COEF/SLOPE	1.103
Expected (reference) Value	247.7	Expected (reference) Value	237.2

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0001923	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1800	LOW ID	n/a
EXPIRY DATE	02-Nov-2025	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.8	0		
3938	60.60	3999	380.36	386.6	379.4	0.986	1.003
3968	28.70	3997	180.23	n/a	181.9	n/a	0.991
3981	14.30	3995	89.84	n/a	88.9	n/a	1.011

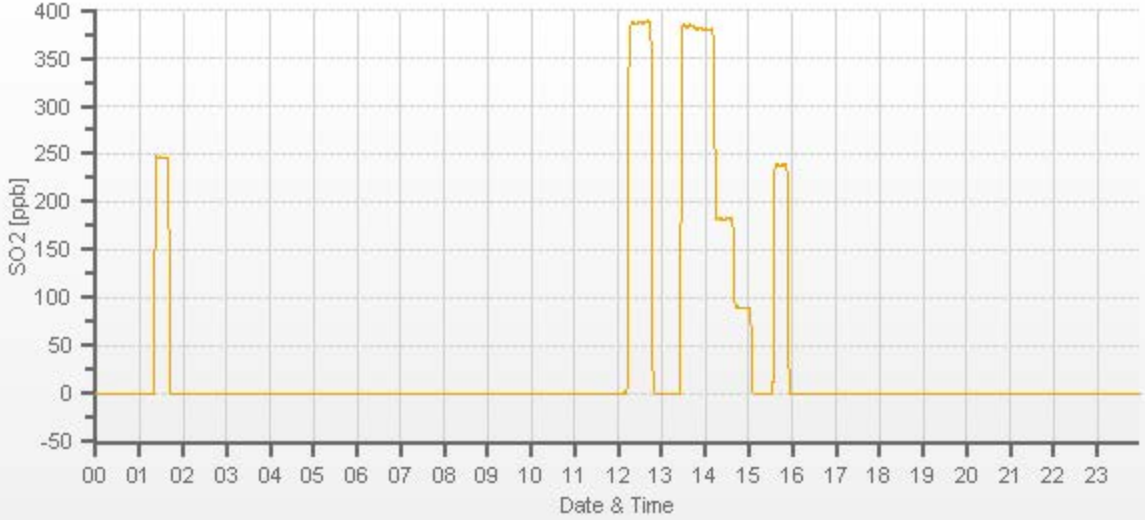
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	0.0%

COMMENTS:

Sample filter changed.

SO2[ppb] Station: Peace River Complex [PRC] Daily: 01-02-2023 Type: AVG 1 Min. [1 Min.]



H2S Analyzer Calibration by Dilution

DATE:	01-Feb-2023	PREVIOUS CALIBRATION DATE:	05-Jan-2023
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	21.9
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	11:26
PERFORMED BY:	Chris Wesson	END TIME (MST):	15:57

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	955
INITIAL		FINAL	
BKG/OFFSET	13.5	BKG/OFFSET	13.7
COEF/SLOPE	1.001	COEF/SLOPE	0.994
Expected (reference) Value	36.5	Expected (reference) Value	35.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

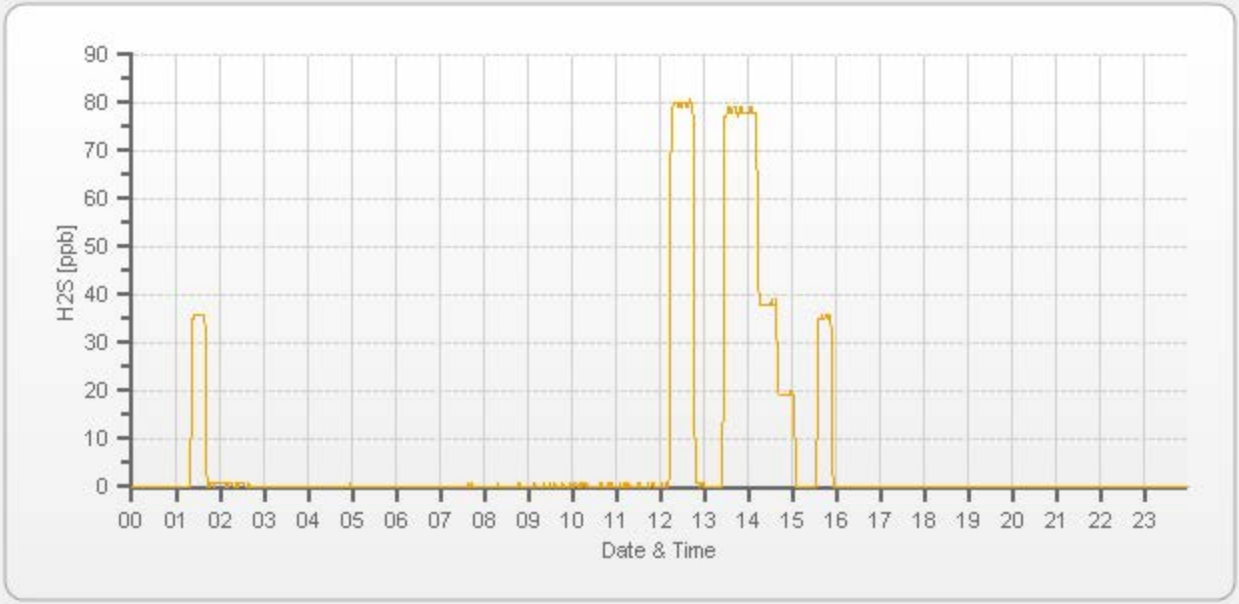
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.7	0		
3966	33.20	3999	78.12	79.6	78.3	0.990	0.998
3981	16.20	3997	38.14	n/a	38.5	n/a	0.991
3987	8.10	3995	19.08	n/a	19.4	n/a	0.983

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.2%

COMMENTS:

Sample filter changed


H2S[ppb] Station: Peace River Complex [PRC] Daily: 01-02-2023 Type: AVG 1 Min. [1 Min.]
H2S [ppb]
90
80
70
60
50
40
30
20
10
0
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
H2S [ppb]

TRS Analyzer Calibration by Dilution

DATE:	01-Feb-2023	PREVIOUS CALIBRATION DATE:	05-Jan-2023
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	21.9
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	11:25
PERFORMED BY:	Chris Wesson	END TIME (MST):	15:57

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	725
INITIAL		FINAL	
BKG/OFFSET	23.7	BKG/OFFSET	24.4
COEF/SLOPE	1.022	COEF/SLOPE	1.03
Expected (reference) Value	49.31	Expected (reference) Value	47.84

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	M701
ID:	58100720	ID:	4568
MFC CALIBRATION DATE:	15-Sep-2022	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002519	HIGH ID	n/a
CONC (ppm):	9.41	EXPIRY DATE	n/a
CYLINDER (psi):	1600	LOW ID	n/a
EXPIRY DATE	10-Nov-2023	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.86	0		
3966	33.20	3999	78.12	78.17	78.33	1.011	0.997
3981	16.20	3997	38.14	n/a	38.38	n/a	0.994
3987	8.10	3995	19.08	n/a	19.07	n/a	1.000

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.003	0.0%

COMMENTS:

TRS Converter CDNOVA CDN-101 #506.

TRS[ppb] Station: Peace River Complex [PRC] Daily: 01-02-2023 Type: AVG 1 Min. [1 Min.]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	01-Feb-2023	PREVIOUS CALIBRATION DATE:	05-Jan-2023
CLIENT:	PRAMP	TEMPERATURE (°C):	21.2
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	952
PURPOSE	Routine	START TIME (MST):	11:26
PERFORMED BY:	Chris Wesson	END TIME (MST):	15:42

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1022143392	1097
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.002	1.002	1.002

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL28583		HIGH ID:	n/a
MODEL:	2010	MODEL:	M701	CH_4/C_3H_8 (ppm):	608.0	203.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	4568	CYLINDER (psi):	700		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2022	OXIDIZER ID:	Internal	EXPIRY DATE	22-Dec-2028		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	558.3
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1166.3

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.66	11.07	20.73		9.65	11.07	20.72

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
3000		3000	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00						
2927	72.00	2999	14.60	13.40	28.00	14.58	13.32	27.90	14.57	13.42	27.99	1.001	1.006	1.004	1.002	0.999	1.000
2963	36.00	2999	7.30	6.70	14.00	n/a	n/a	n/a	7.28	6.69	13.97	n/a	n/a	n/a	1.003	1.002	1.002
2982	18.00	3000	3.65	3.35	7.00	n/a	n/a	n/a	3.66	3.37	7.03	n/a	n/a	n/a	0.997	0.994	0.995

LINEAR REGRESSION ANALYSIS:

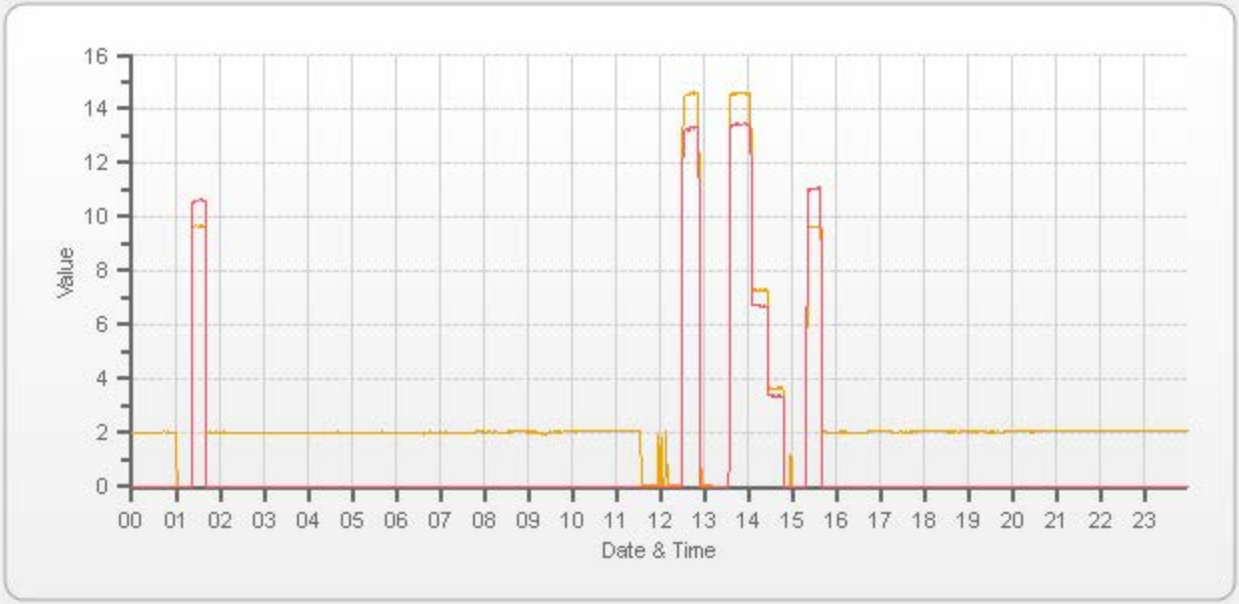
	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.998	0.0%
NMHC	1.000	1.001	0.0%
THC	1.000	0.999	0.0%

Comments:

Sample filter changed

Use Zero Chrom? **Yes**

Station: Peace River Complex [PRC] Daily: 01-02-2023 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	February 1, 2023		
Technician:	Chris Wesson		
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 5, 2023		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS #160459244 expires June 14, 2023		
Reference Temperature (°C):	-23.2		
Station - Ambient Temperature (°C):	-23.0		
Temperature Difference (°C):	-0.2		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	January 5, 2023		
Reference Barometer ID:	Brunton #05535 expires Feb 22, 2023		
Reference Pressure - Units/Reading:	millibar	950	
Station Pressure - Units/Reading:	millibar	953	
Pressure Tolerance +/- 15% of error:	808 - 1093	-0.32%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	January 5, 2023		
Reference Hygrometer ID:	FS #160459244 expires June 14, 2023		
Reference Hygrometer % RH- Reading:	66.70		
Station Hygrometer % RH- Reading:	63.70		
RH Tolerance +/- 15% of difference:	56.70 - 76.71	4.5%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	January 5, 2023	Previous check date:	January 5, 2023
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	NE
Wind speed on Data Logger (kph):	14.5	Wind Direction on Data Logger:	NE
		Wind Direction Pass/Fail?:	Pass

Comments

No issues.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Ferdinand Roy
Audit Location:	Peace River Compliance	**Reviewed By:**	Chris Wesson
Audit Date:	August 17, 2022	**Start/End Time (mst):**	8:15/9:20
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly clear

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:	June 16, 2021	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# CA03309 expires June 7, 2023

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	18.5	18.5	0.996
2000	36.9	36.9	37.0	0.998
3000	55.3	55.4	55.4	0.998
4000	73.7	73.9	73.9	0.998
5000	92.2	92.4	92.4	0.997
6000	110.6	110.9	110.9	0.997
7000	129.0	129.5	129.5	0.996
8000	147.4	148.0	148.0	0.996
9000	165.9	166.6	166.6	0.996
10000	184.3	185.1	185.2	0.995
		The audit meets AMD requirements.	**Average Correction Factor=**	**0.997**

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	29	329	1.0	1.0	1.0
60	300	59	300	1.0	0.0	0.5
90	270	89	271	1.0	-1.0	1.0
120	240	119	241	1.0	-1.0	1.0
150	210	151	212	-1.0	-2.0	1.5
180	180	181	181	-1.0	-1.0	1.0
210	150	211	151	-1.0	-1.0	1.0
240	120	241	120	-1.0	0.0	0.5
270	90	271	89	-1.0	1.0	1.0
300	60	300	59	0.0	1.0	0.5
330	30	329	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:

Physical inspection completed - no issues.

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 2023

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202302-INTEGRATED

March 15, 2023

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Peace River Area Monitoring Program
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Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

March 15, 2023

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

RE: PRAMP –February 2023 Monthly Ambient Air Quality Monitoring Integrated Sampling Report

Enclosed is the February 2023 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 2023

- **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 this month.

- **Passive Polycyclic Aromatic Compounds (PACs) Sampling Program**
  - The PAC sampling program began in December 2019, and is designed to collect a 2-month integrated sample.
  - The sample media for sampling period of January - February were installed on February 10. They were removed on February 28. The sample media for sampling period of March - April were installed during the time the January/February sample media were removed.

- **Passives H_2S, SO_2 Sampling Program**
  - 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, 2023

INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**
  No canister events were recorded this month.

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	0.12	#1	0.2	#14
Maximum (ppb)	0.23	#11	0.5	#3
Average (ppb)	0.15		0.40	

ANALYTICAL SAMPLING RESULTS

Passives

PEACE RIVER AREA MONITORING PROGRAM

PRC Site - February 2023

Passive Results

	H_2S		SO_2	
Minimum (ppb)	0.12	#1	0.2	#14
Maximum (ppb)	0.23	#11	0.5	#3
Average (ppb)	0.15	-	0.37	-

No.	Calculated Value	Calculated Value
1	0.12	0.3
2	0.14	0.3
3	0.14	0.5
4	0.14	0.4
7	0.17	0.5
8	Missing	0.5
9	0.12	0.3
10	0.20	0.5
11	0.23	0.3
12	0.14	0.3
13	0.15	0.3
14	0.12	0.2
Reportable Detection Limit (RDL)	**0.02**	**0.1**

End of Report

Peace River Area Monitoring Program

FEBRUARY 2023

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202302

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

March 10, 2023

Table of Contents

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

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	01/02/23	8:00	01/03/23	8:00		X	X											
2						X	X											
3						X	X											
4						X	X											
7						X	X											
H2S # 8 missing 8						X	X											
9						X	X											
10						X	X											
11						X	X											
12						X	X											
13						X	X											
14		12:00		13:00		X	X											
Blank						X	X											
Blank						X	X											

Notes/Comments: Client 12521 / Scenario 18009

Sampled By Bo Guerin Phone/Email 618/880 Received By _____ Date/Time 15 23-03-03 Project # _____

Date Shipped _____ Signature _____ PO# _____

07:59 14 SO2 14 H2S

PTC FCD-00457/4

Your Project #: 2023/02/01 - 2023/03/01
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: 2023/03/15
Report #: R3310412
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C314607
Received: 2023/03/03, 08:46

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	12	2023/03/07	2023/03/10	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	12	2023/03/03	2023/03/10	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

Kristen Sywolos
Customer Service Supervisor/Oil & Gas Division
15 Mar 2023 17:18:13

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

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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 - 50th Street, T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C314607
Report Date: 2023/03/15

Peace River Area Monitoring Program Committee
Client Project #: 2023/02/01 - 2023/03/01
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		BMT471	BMT472	BMT473	BMT474	BMT475	BMT476	BMT477		
Sampling Date		2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.12	0.14	0.14	0.14	0.17	MISSING (1)	0.12	0.02	A900751
Calculated SO2	ppb	0.3	0.3	0.5	0.4	0.5	0.5	0.3	0.1	A897827

RDL = Reportable Detection Limit
(1) MS

Bureau Veritas ID		BMT478	BMT479	BMT480	BMT481	BMT482		
Sampling Date		2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00	2023/02/01 08:00		
	UNITS	10	11	12	13	14	RDL	QC Batch
Passive Monitoring								
Calculated H2S	ppb	0.20	0.23	0.14	0.15	0.12	0.02	A900751
Calculated SO2	ppb	0.5	0.3	0.3	0.3	0.2	0.1	A897827

RDL = Reportable Detection Limit

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GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A897827	OZ	Spiked Blank	Calculated SO2			99	%	90 - 110
A897827	OZ	Method Blank	Calculated SO2		<0.1		ppb	
A900751	YYA	Spiked Blank	Calculated H2S			100	%	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.

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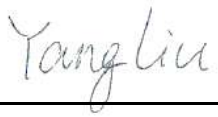
Report Date: 2023/03/15

Peace River Area Monitoring Program Committee
Client Project #: 2023/02/01 - 2023/03/01
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

VALIDATION SIGNATURE PAGE

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



Yang Liu, Analyst II

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End of Report