Peace River Area Monitoring Program

OCTOBER 2024

Monthly Ambient Air Quality Monitoring Report

PRAMP-202410

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

November 21, 2024

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LIST OF ACRONYMS

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

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Edmonton, AB, T5K 2J6

October 17, 2024

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

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

The representative of the Person Responsible for this monitoring program is

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

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

NETWORK STATION SUMMARY

Listing of Continuous Monitoring Stations

The PRAMP continuous ambient air quality monitoring network stations are:

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

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

Listing of Intermittent Monitoring Stations

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

Listing of PRAMP member with EPEA Facility Operating Approval

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

Calibration and Data Submission

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

Monitoring Operations Notes during the Month of October 2024

All Stations: To meet the new AAAQG requirement for TRS, 30-minute data starts being recorded this month. The 30-minute data spreadsheet is included in this month's report.

986-CStation

- No operational issues were identified this month.

842-B Station

- **RH/AT**: To address AEPA station audit finding, which was conducted on June 17, the Rotronic HC2-S3 sensor, s/n: 20370767, was removed for manufacture maintenance/calibration, and a new Reotronic HC2-S3 sensor, s/n: 24010202, was installed On October 1.
- **THC/CH4/NMHC**:
  - The Thermo 55i analyzer, s/n: 1501663728, failed the October 1's as found-point check due to baseline drift. The analyzer was calibrated to correct the drift on October 1. Data were invalidated back to the last valid calibration check, which was September 30. Twelve hours of downtime were invalidated this month due to this event.
  - The Thermo 55i analyzer, s/n: 1501663728, failed the October 10's shut down calibration due to bad injections. The analyzer was replaced by the Thermo 55i analyzer, s/n: 12208316589. The analyzer was allowed to stabilize overnight. A successful installation calibration was completed on October 11. Data were invalidated back to the last valid zero-span check, which was October 10 hour 3. Thirty-five hours of downtime were recorded due to this event.

Reno-B Station

- No operational issues were identified this month.

PRC Station

- **SO2:** The analyzer failed the daily span check on October 9 due to permeation tube depletion. The permeation tube was replaced on October 16. A new expected span value was entered on October 18. Data quality was not compromised due to this event.

AQHI – Grimshaw Station

- No operational issues were identified this month.
- Following issues noted during the AEPA station audit on June 19, 2024, the Teledyne T200 NOx/NO/NO2 analyzer, s/n:837, was removed from the station for troubleshooting/maintenance on July 10. It was concluded that the root cause for analyzer drifting on the low NO/NOx point check was due to analyzer contamination, which was caused by heavy smoke during wildfire events.
  - The performance issues noted during the audit (unstable/inaccurate NO2 concentration following a rapid change in concentration) can be explained by the reduced flow through the device resulting in a failure to completely flush the reaction chamber for each NO:NOx measurement cycle. This would result in: (i) spurious NO2 readings due to inaccurate NO:NOx measurements when concentrations are changing rapidly; (ii) inaccurate AZERO values (background noise) at higher concentration values. These errors are more pronounced in Teledyne analyzers due to their use of dynamic averaging periods.
  - To address this issue, the sample flow path, critical orifices and sinter filters were cleaned/replaced as appropriate. In addition, the molybdenum converter was replaced with a known good unit to avoid any possible contamination issues.

Exceedances of the AAAQOs and AAAQGs during the Month of October 2024

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and /or Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable.

Non-compliance Events during the Month of October 2024

- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

VOCs Canister Sampling Program

- The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
- The canister sample collection systems are in place at Station 986-C, 842-B, and the Reno-B Station; a canister sample collection system is not part of the suite of instruments currently deployed at both the PRC station and the AQHI-Grimshaw station.
- Sample analysis and analytical results were prepared and provided by InnoTech Alberta.
- No valid canister events were recorded this month. The canister event triggered at the 842-B station on October 4 at 01:00 was not valid. The system was triggered when the analyzer had bad injections.

Revisions to Alberta's Ambient Air Quality Data Warehouse

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

Deviations from Authorized Monitoring Methods

No deviations from authorized monitoring methods were recorded this month.

Disclaimer

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

Equipment calibration / maintenance records were provided by Bureau Veritas.

Certification

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

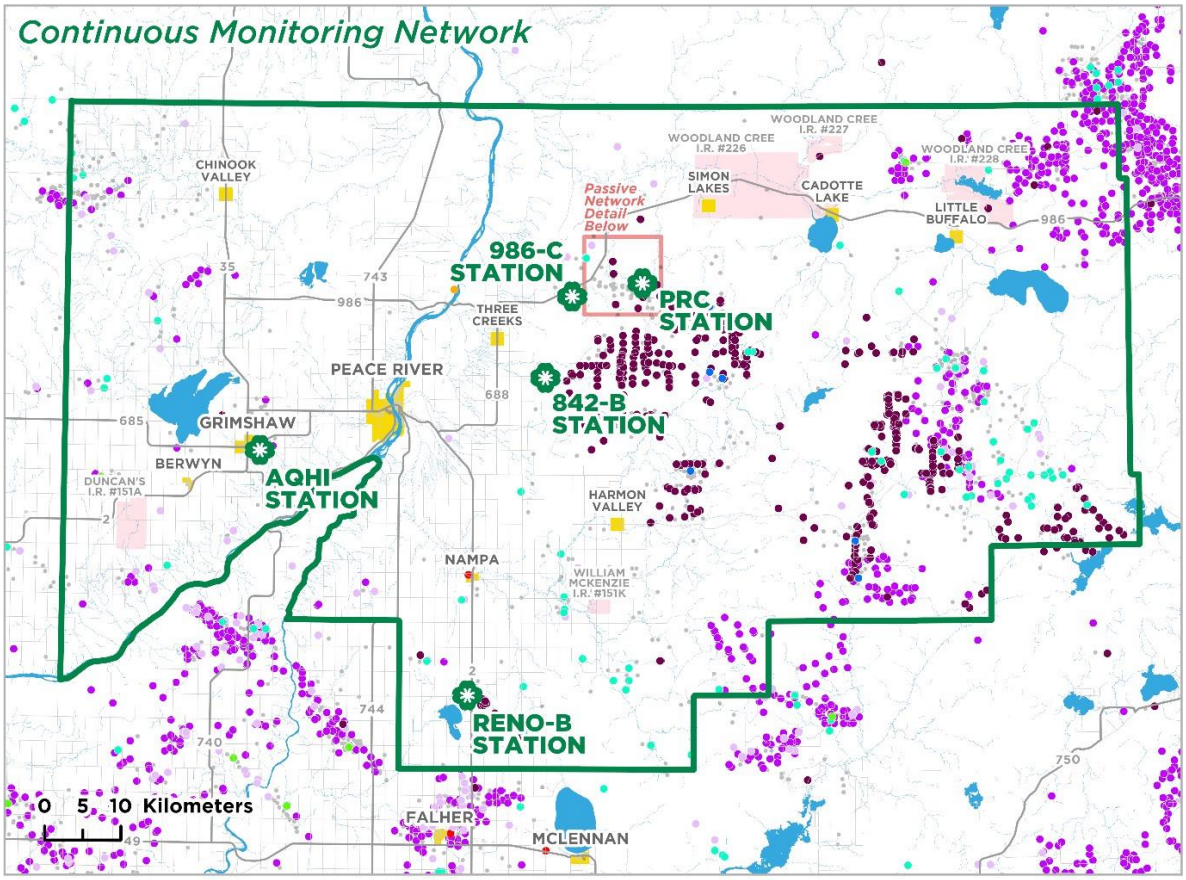
Lily Lin, Technical Program Manager, PRAMP Airshed

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

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

Michael Bisaga, Technical Program Manager, PRAMP Airshed

Map of PRAMP Continuous Monitoring Network

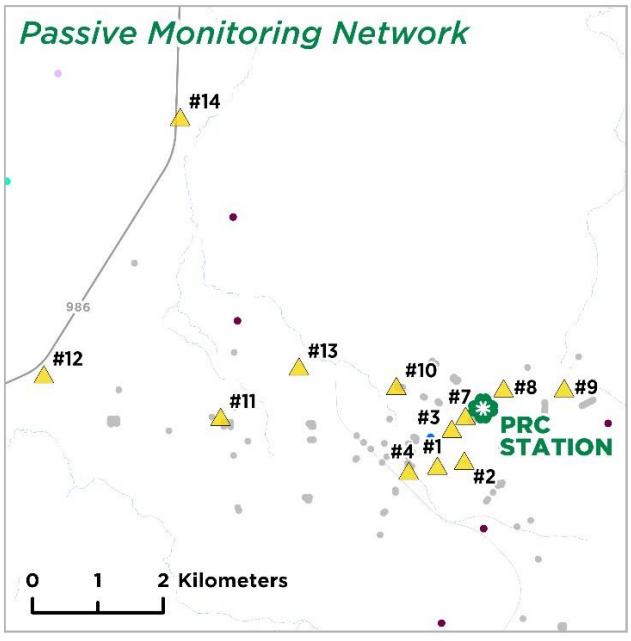


Legend

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

Industrial Facilities

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



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CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	October 16, 2024	• Five hours of data were lost due to a power outage event.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530 (BV-supplied)	October 16, 2024	• Five hours of data were lost due to a power outage event.
THC/CH4/NMHC Thermo 55i #1022143392 H2 Generator HG300 #191267063 Zero Air Supply Teledyne T701 #468	October 16, 2024	• Five hours of data were lost due to a power outage event. • Hourly data collected on October 8 at hour 19 was invalidated as the analyzer took additional time to recover from the power outage.
Parameter	**Verification Date**	**Equipment Operational Summary**
RH Rotronic HC2-S3 #20626912	October 16, 2024	• Five hours of data were lost due to a power outage event.
BP MetOne 092 #Y23358	October 16, 2024	• Five hours of data were lost due to a power outage event.

Parameter	Verification Date	Equipment Operational Summary
AT Rotronic HC2-S3 #20626912	October 16, 2024	• Five hours of data were lost due to a power outage event.
ST COMET #189619	October 16, 2024	• Five hours of data were lost due to a power outage event.
Precipitation RM Young 52202 #TB 16325	October 16, 2024	• Five hours of data were lost due to a power outage event.
WS/ WD RM Young 05305AQ #180340	October 16, 2024	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 22, 2024. Five hours of data were lost due to a power outage 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	Oct 1 at hr 16	11	N	0.2	Oct 9	99.3	94.3
TRS (ppb)	-	-	-	-	-	-	0.26	0.00	0.90	Oct 16 at hr 8	13.9	ESE	0.56	Oct 27	99.3	94.3
THC (ppm)	-	-	-	-	-	-	2.06	2.01	2.37	Oct 12 at hr 8	1.3	S	2.16	Oct 12	99.2	94.2
CH4 (ppm)	-	-	-	-	-	-	2.06	2.01	2.37	Oct 12 at hr 8	1.3	S	2.16	Oct 12	99.2	94.2
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Oct 1 at hr 0	9.7	WSW	0.00	Oct 1	99.2	94.2
RH (%)	-	-	-	-	-	-	77.6	31	100	Oct 1 at hr 5	8.8	SW	99.4	Oct 20	99.3	99.3
BP (millibar)	-	-	-	-	-	-	939	925	951	Oct 12 at hr 8	1.3	S	949	Oct 12	99.3	99.3
Ext. Temp. (°C)	-	-	-	-	-	-	3.2	-11.1	20.5	Oct 13 at hr 14	9.8	S	12.6	Oct 14	99.3	99.3
Stn. Temp. (°C)	-	-	-	-	-	-	23.1	22.6	25.1	Oct 16 at hr 10	11.1	SE	23.6	Oct 16	99.3	99.3
Precipitation (mm)*	-	-	-	-	-	-	5.0	0.0	2.0	Oct 17 at hr 5	8.7	WSW	2.2	Oct 17	99.3	99.3
WSV (km/hr)	-	-	-	-	-	-	4.4	1.0	28.0	Oct 26 at hr 11	28	E	18.4	Oct 22	99.3	99.3
WDV (sector)	-	-	-	-	-	-	201 (SSW)	-	-	-	-	-	-	-	99.3	99.3

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

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

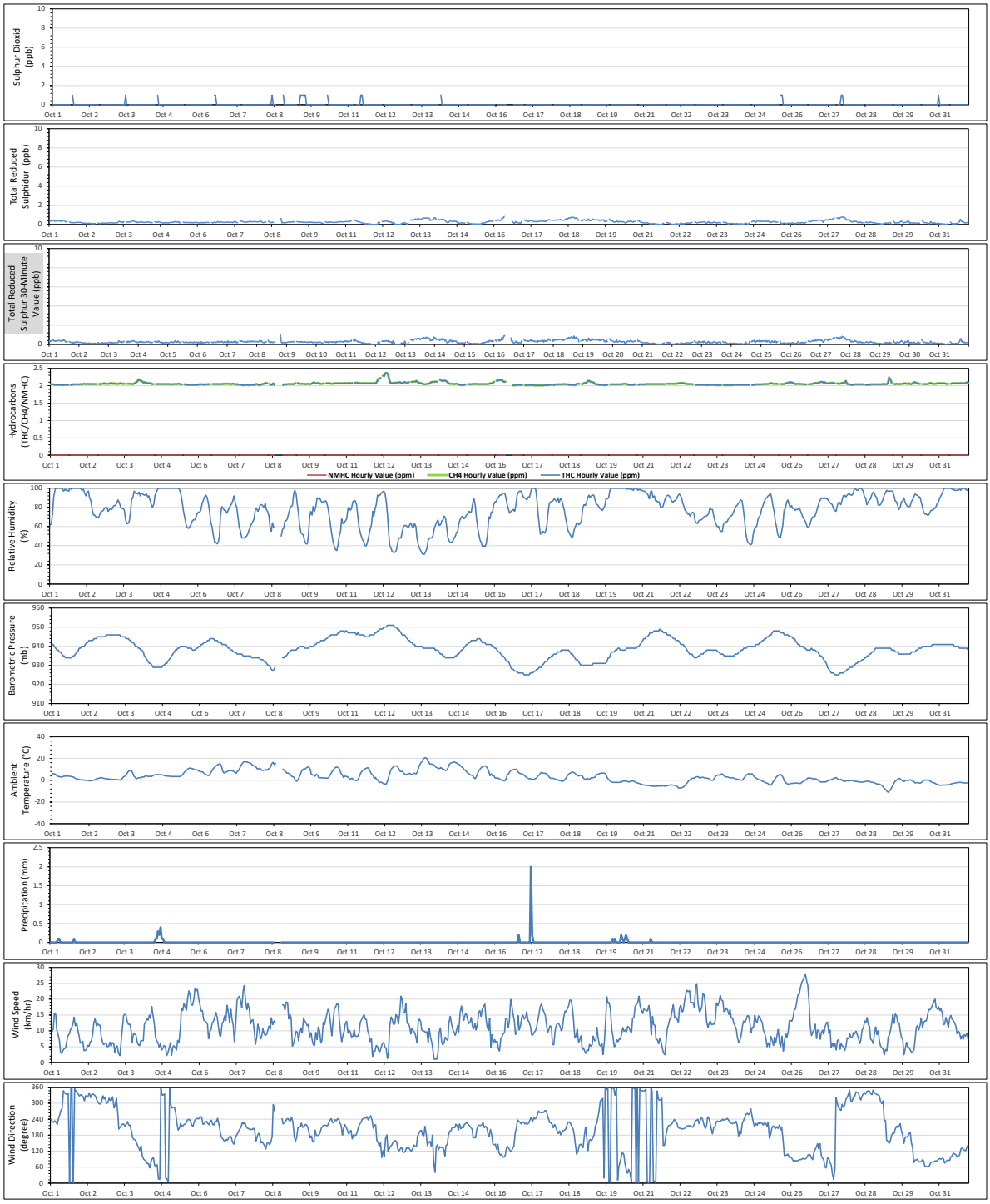
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.26	0.00	1.02	Oct 8 at 19:00	19.5	WSW	0.56	Oct 27	99.4	94.5

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

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

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

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



842-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	October 1, 2024	• Seventeen hours of downtime were recorded due to a power failure this month. • The data completeness requirement for data collected on October 29 at hour 21 was not met due to collection errors.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #583 #552	October 1, 2024	• Seventeen hours of downtime were recorded due to a power failure this month. • The data completeness requirement for data collected on October 29 at hour 21 was not met due to collection errors.
THC/CH4/NMHC Thermo 55i #1501663728 #12208316589 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #1087	October 11, 2024	• The Thermo 55i analyzer, s/n: 1501663728, failed the October 1's as found-point check due to baseline drift. The analyzer was calibrated to correct the drift on October 1. Data were invalidated back to the last valid calibration check, which was September 30. Twelve hours of downtime were invalidated this month due to this event. • The Thermo 55i analyzer, s/n: 1501663728, failed the October 10's shut down calibration due to bad injections. The analyzer was replaced by the Thermo 55i analyzer, s/n: 12208316589. The analyzer was allowed to stabilize overnight. A successful installation calibration was completed on October 11. Data were invalidated back to the last valid zero-span check, which was October 10 hour 3. Thirty-five hours of downtime were recorded due to this event. • A repeat zero-span check was initiated on October 12 at hour 7 to confirm higher ambient CH4 readings were valid. One hour of downtime was recorded as a result. • Seventeen hours of downtime were recorded due to a power failure this month. • The data completeness requirement for data collected on October 29 at hour 21 was not met due to collection errors.

Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20370767 #24010202	October 1, 2024	• To address AEPA station audit finding, which was conducted on June 17, the Rotronic HC2-S3 sensor, s/n: 20370767, was removed for manufacture maintenance/calibration, and a new Reotronic HC2-S3 sensor, s/n: 24010202, was installed on October 1. Two hours of downtime were recorded due to this event. • Seventeen hours of downtime were recorded due to a power failure this month.
AT Rotronic HC2-S3 #20370767 #24010202	October 1, 2024	• To address AEPA station audit finding, which was conducted on June 17, the Rotronic HC2-S3 sensor, s/n: 20370767, was removed for manufacture maintenance/calibration, and a new Reotronic HC2-S3 sensor, s/n: 24010202, was installed on October 1. Two hours of downtime were recorded due to this event. • Fourteen hours of downtime were recorded due to a power failure this month. Seventeen hours of downtime were recorded due to a power failure this month.
BP MetOne 092 #Y23362	October 1, 2024	• Seventeen hours of downtime were recorded due to a power failure this month.
ST COMET #20790297	October 1, 2024	• Seventeen hours of downtime were recorded due to a power failure this month.
Precipitation RM Young 52202 #TB 15878	October 1, 2024	• Seventeen hours of downtime were recorded due to a power failure this month.
WS/ WD RM Young 05305AQ #174802	October 1, 2024	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 22, 2024. • Seventeen hours of downtime were recorded due to a power failure this month.

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	Oct 9 at hr 11	10.2	SW	0.1	Oct 30	97.6	92.7
TRS (ppb)	-	-	-	-	-	-	0.64	0.33	1.00	Oct 14 at hr 23	14.4	SW	0.78	Oct 18	97.6	92.7
THC (ppm)	-	-	-	-	-	-	2.01	1.93	2.48	Oct 12 at hr 8	1	E	2.13	Oct 12	91.1	86.7
CH4 (ppm)	-	-	-	-	-	-	2.01	1.93	2.48	Oct 12 at hr 8	1	E	2.13	Oct 12	91.1	86.7
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.26	Oct 4 at hr 0	3.3	ESE	0.01	Oct 4	91.1	86.7
RH (%)	-	-	-	-	-	-	70.7	29	99	Oct 1 at hr 3	14.2	SW	92.6	Oct 20	97.4	97.4
BP (millibar)	-	-	-	-	-	-	938	923	950	Oct 12 at hr 8	1	E	948	Oct 12	97.7	97.7
Ext. Temp. (°C)	-	-	-	-	-	-	3.1	-11.2	20.3	Oct 13 at hr 15	10.8	SSW	12.9	Oct 13	97.4	97.4
Stn. Temp. (°C)	-	-	-	-	-	-	22.3	21.3	23.7	Oct 7 at hr 10	20.4	SSW	22.8	Oct 7	97.7	97.7
Precipitation (mm)*	-	-	-	-	-	-	9.8	0.0	0.9	Oct 4 at hr 17	2.5	NNW	4.1	Oct 4	97.7	97.7
WSV (km/hr)	-	-	-	-	-	-	3.8	0.2	22.6	Oct 7 at hr 11	22.6	SW	17.3	Oct 22	97.7	97.7
WDV (sector)	-	-	-	-	-	-	215 (SSW)	-	-	-	-	-	-	-	97.7	97.7

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

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

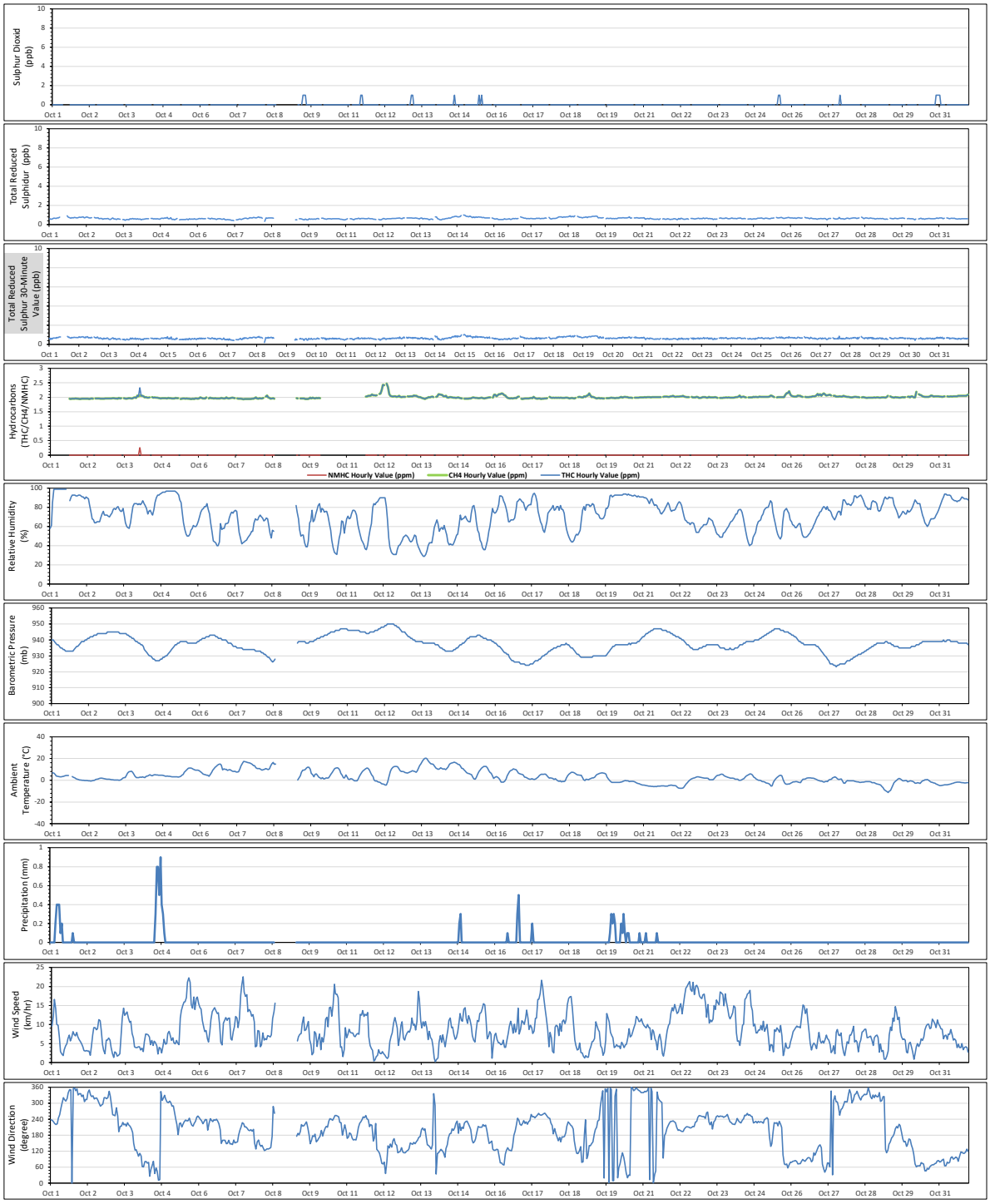
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.64	0.18	1.03	Oct 14 at 23:30	12.7	SW	0.78	Oct 18	97.7	92.8

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

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

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

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



Reno-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	October 3, 2024	• No operational issues were identified this month.
TRS Thermo 43iQTL #12101910504 **TRS Convertor** CD Nova CDN-101 #590	October 3, 2024	• No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #1193585652 H2 Generator HG300 #210467069	October 3, 2024	• No operational issues were identified this month.
Parameter	**Verification Date**	**Equipment Operational Summary**
RH Rotronic HC2-S3 #20467597	October 3, 2024	• No operational issues were identified this month.
BP MetOne 092 #A17940	October 3, 2024	• No operational issues were identified this month.
AT Rotronic HC2-S3 #20467597	October 3, 2024	• No operational issues were identified this month.
ST COMET #NA	October 3, 2024	• No operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
Precipitation RM Young 52202 #TB 15877	October 3, 2024	• No operational issues were identified this month.
WS/ WD RM Young 05305AQ #174795	October 3, 2024	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 23, 2024. • No operational issues were identified this month.

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	0.0	0	1	Oct 6 at hr 2	7.1	SSW	0.1	Oct 15	100.0	95.1
TRS (ppb)	-	-	-	-	-	-	0.36	0.21	0.93	Oct 1 at hr 8	1.5	SSW	0.52	Oct 1	100.0	95.1
THC (ppm)	-	-	-	-	-	-	2.00	1.92	2.31	Oct 25 at hr 19	9.2	E	2.07	Oct 12	100.0	95.3
CH4 (ppm)	-	-	-	-	-	-	2.00	1.92	2.31	Oct 25 at hr 19	9.2	E	2.07	Oct 12	100.0	95.3
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Oct 1 at hr 0	6.4	W	0.00	Oct 1	100.0	95.3
RH (%)	-	-	-	-	-	-	77.2	30	100	Oct 1 at hr 2	14.5	WSW	99.8	Oct 20	100.0	100.0
BP (millibar)	-	-	-	-	-	-	937	923	950	Oct 12 at hr 9	4.8	SE	947	Oct 12	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	3.6	-8.8	19.9	Oct 13 at hr 14	14.1	SSE	12.7	Oct 13	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.5	21.7	23.3	Oct 3 at hr 12	10	WSW	22.7	Oct 22	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	14.0	0.0	1.5	Oct 1 at hr 3	15	SW	6.4	Oct 1	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	4.2	1.1	33.7	Oct 8 at hr 13	33.7	WNW	19.5	Oct 8	100.0	100.0
WDV (sector)	-	-	-	-	-	-	206 (SSW)	-	-	-	-	-	-	-	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

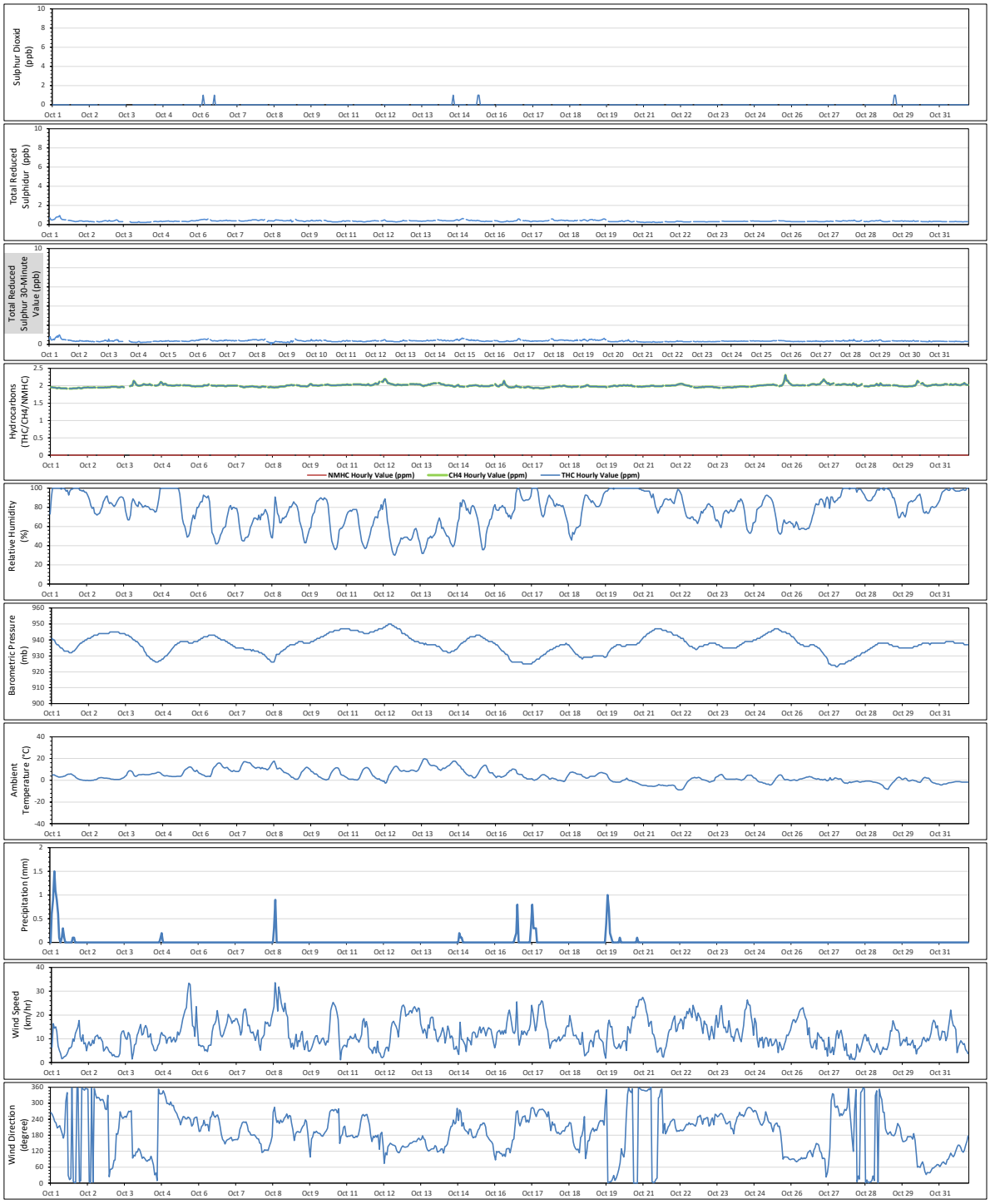
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.36	0.16	0.99	Oct 1 at 08:00	1.9	S	0.52	Oct 1	99.9	95.1

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

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

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

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



PRC Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43i #1034746225	October 10, 2024	• The analyzer failed the daily span check on October 9 due to permeation tube depletion. The permeation tube was replaced on October 16. A new expected span value was entered on October 18. Data quality was not compromised due to this event.
H2S Thermo 450i #1308857354	October 10, 2024	• The analyzer failed the daily span check on October 8. A successful multi-point calibration was completed on October 10. As the analyzer did not show significant drift (0.1% drift) since the September calibration, it was concluded that the cause was due to an incorrect expected span value entered after the September calibration. To be cautious with the data, it was decided to invalidate data back to the last valid zero-span check, which was October 7. Seventy-two hours of downtime were recorded as a result.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	October 10, 2024	• No operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	October 17, 2024	• The analyzer failed due to running empty of N2 gas on October 5 at hour 23. The gas cylinder was replaced following a successful zero-span check on October 7. Thirty-six hours of downtime were recorded. • The desiccant for the hydrogen generator was replaced following the as-found points check on October 17.

Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20558318	October 17, 2024	No operational issues were identified this month.
BP MetOne 092 #B19577	October 17, 2024	No operational issues were identified this month.
AT Rotronic HC2-S3 #20558318	October 17, 2024	No operational issues were identified this month.
ST Canadian Natural #NA	October 17, 2024	No operational issues were identified this month.
WS/ WD RM Young 05305VK #129612	October 17, 2024	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on September 10, 2024. • No operational issues were identified this month.

Monitored Data Summary for Peace River Complex (PRC) Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	2	Oct 8 at hr 13	15.1	W	0.2	Oct 10	100.0	95.0
H2S (ppb)	10	3	-	0	0	-	0.0	0	1	Oct 18 at hr 1	11.9	SSW	0.0	Oct 1	90.3	85.7
TRS (ppb)	-	-	-	-	-	-	0.1	0	1	Oct 1 at hr 6	9	SW	1.0	Oct 7	100.0	95.0
THC (ppm)	-	-	-	-	-	-	2.07	2.02	2.19	Oct 16 at hr 6	7.8	ENE	2.12	Oct 12	95.2	90.3
CH4 (ppm)	-	-	-	-	-	-	2.07	2.02	2.19	Oct 16 at hr 6	7.8	ENE	2.12	Oct 12	95.2	90.3
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Oct 1 at hr 0	11.1	SW	0.00	Oct 1	95.2	90.3
RH (%)	-	-	-	-	-	-	80.5	32	100	Oct 1 at hr 4	12.5	SW	100.0	Oct 20	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	925	952	Oct 12 at hr 9	3	ESE	949	Oct 12	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	2.8	-12.7	20.8	Oct 13 at hr 15	9.9	SSW	12.5	Oct 13	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.6	19.5	26.2	Oct 13 at hr 13	9.7	SSW	24.1	Oct 7	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	4.9	1.3	24.5	Oct 26 at hr 12	24.5	E	17.9	Oct 22	100.0	100.0
WDV (sector)	-	-	-	-	-	-	216 (SW)	-	-	-	-	-	-	-	100.0	100.0

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

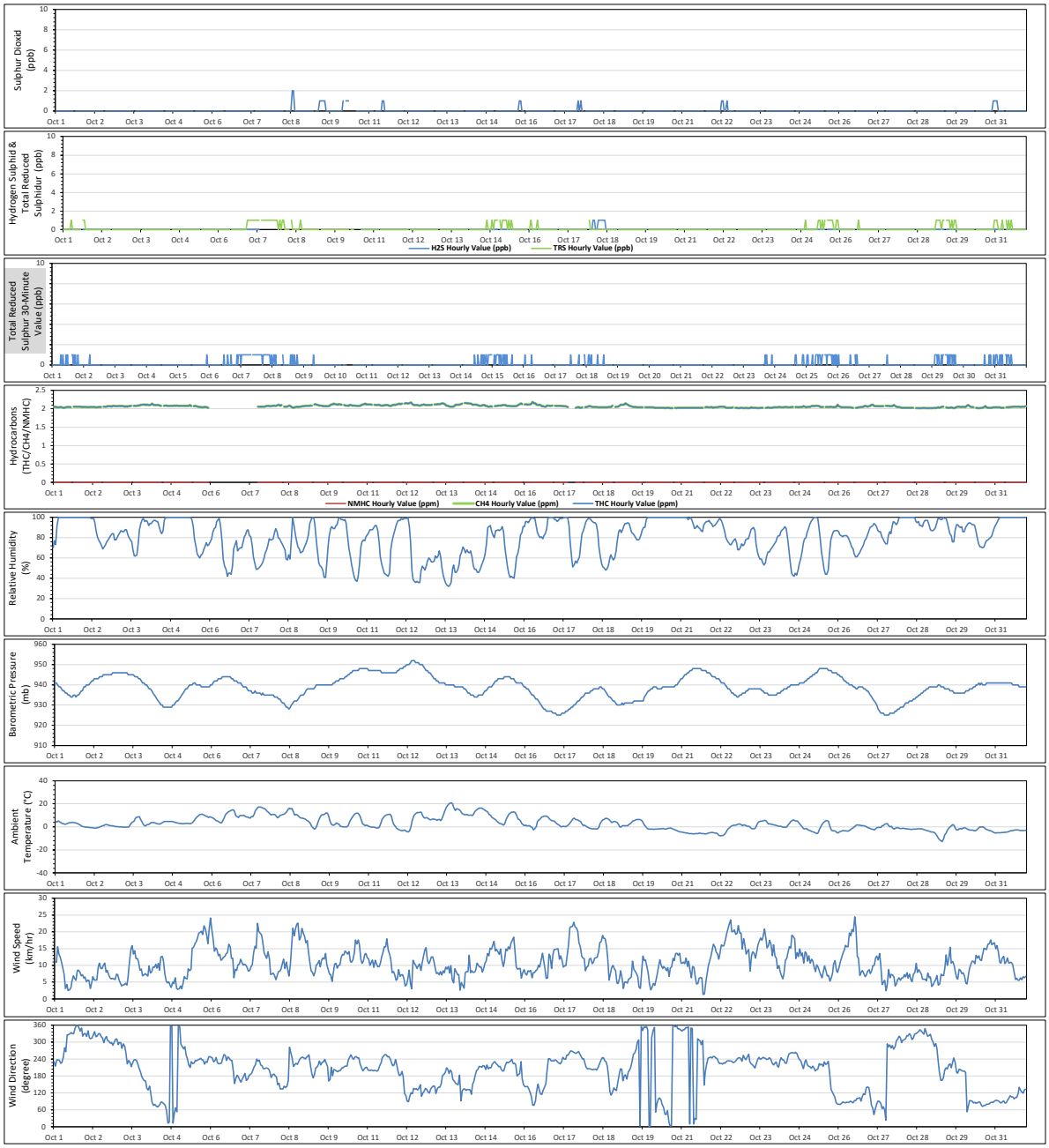
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.1	0	1	on Oct 1 at 06:30	8.6	SW	1.0	on Oct 7	100.0	95.1

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

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

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

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



AQHI – Grimshaw Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Teledyne T100 #722	October 2, 2024	• No major operational issues were identified this month.
TRS Thermo 43iQ-TL #12409233394 TRS Convertor CD Nova CDN-101 #576	October 2, 2024	• No major operational issues were identified this month.
NOx/NO/NO2 Thermo 42iQ #12409233392	October 2, 2024	• No major operational issues were identified this month.
O3 Thermo 49iQ #12326230141	October 2, 2024	• No major operational issues were identified this month.
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #190567059	October 2, 2024	• No major operational issues were identified this month. • The desiccant for the hydrogen generator was replaced following the as-found points check on October 2.
PM2.5 Teledyne T640 #318	October 2, 2024	• No major operational issues were identified this month.
Parameter	**Verification Date**	**Equipment Operational Summary**
RH Vaisala HMP155 #N2910506	October 2, 2024	• No major operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
BP MetOne 092 #A2397	October 2, 2024	• No major operational issues were identified this month.
AT Vaisala HMP155 #N2910506	October 2, 2024	• No major operational issues were identified this month.
ST COMET #NA	October 2, 2024	• No major operational issues were identified this month.
WS/ WD RM Young 05305AQ #174801	October 2, 2024	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 21, 2024. • No major operational issues were identified this month.

Monitored Data Summary for AQHI - Grimshaw Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Oct 7 at hr 6	3	S	0.1	Oct 9	100.0	95.3
TRS (ppb)	-	-	-	-	-	-	0.22	0.09	1.67	Oct 14 at hr 3	3.8	E	0.44	Oct 14	100.0	95.3
NOx (ppb)	-	-	-	-	-	-	5.0	1	93	Oct 28 at hr 16	5.3	N	10.8	Oct 29	100.0	94.9
NO (ppb)	-	-	-	-	-	-	1.0	0	68	Oct 28 at hr 16	5.3	N	4.0	Oct 28	100.0	94.9
NO2 (ppb)	159	-	-	0	-	-	3.9	1	25	Oct 28 at hr 16	5.3	N	8.1	Oct 29	100.0	94.9
O3 (ppb)	76	-	-	0	-	-	22.4	2.1	39.8	Oct 15 at hr 15	15	SSW	33.0	Oct 23	100.0	95.0
THC (ppm)	-	-	-	-	-	-	2.05	1.95	3.59	Oct 28 at hr 8	3.2	NW	2.11	Oct 12	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.05	1.95	2.48	Oct 30 at hr 4	3.8	NE	2.10	Oct 12	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	1.57	Oct 28 at hr 8	3.2	NW	0.07	Oct 28	100.0	94.9
PM2.5 (µg/m3)	80	29	-	0	0	-	3.5	0	43	Oct 11 at hr 20	5.9	NW	8.0	Oct 3	100.0	99.7
RH (%)	-	-	-	-	-	-	72.8	33	100	Oct 20 at hr 9	6.2	NNE	94.3	Oct 31	100.0	100.0
BP (millibar)	-	-	-	-	-	-	939	926	952	Oct 12 at hr 8	2.1	NE	949	Oct 12	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	3.5	-8.8	19.1	Oct 13 at hr 15	6.5	S	11.7	Oct 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.4	19.1	26.2	Oct 7 at hr 13	14.7	SW	23.0	Oct 7	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	8.2	0.3	25.8	Oct 22 at hr 20	25.8	W	18.0	Oct 23	100.0	100.0
WDV (sector)	-	-	-	-	-	-	286 (WNW)	-	-	-	-	-	-	-	100.0	100.0

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

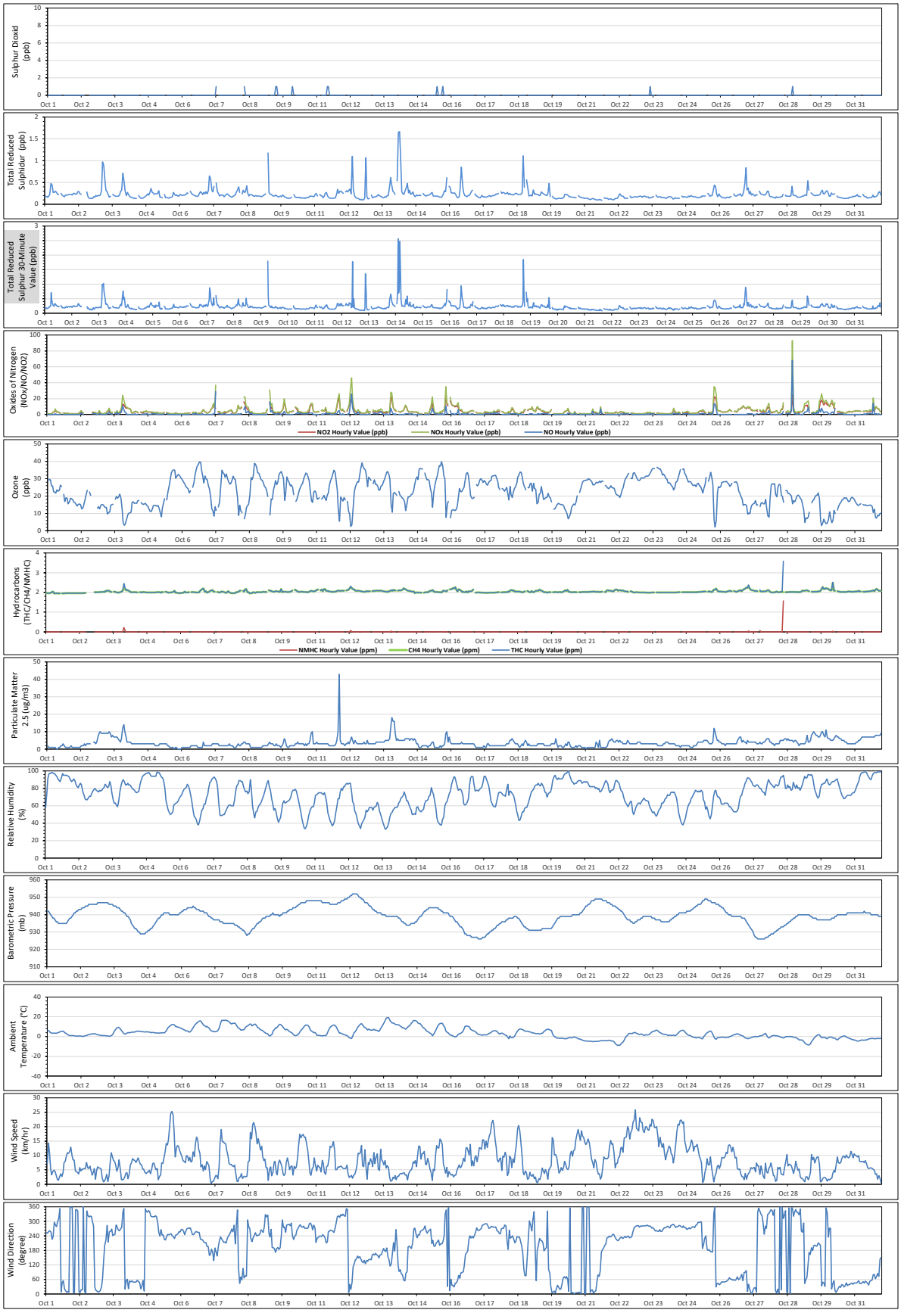
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.22	0.08	2.56	on Oct 14 at 02:00	3.2	ESE	0.44	on Oct 14	100.0	95.2

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

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

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

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



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

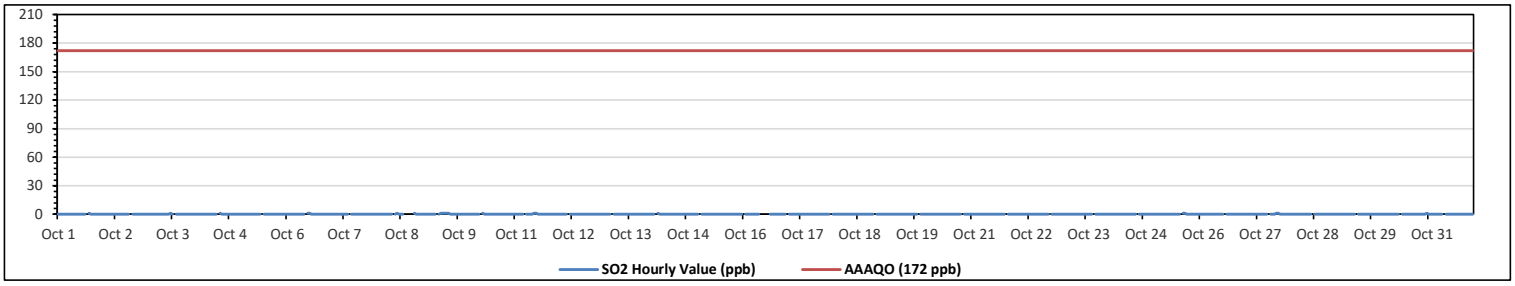
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

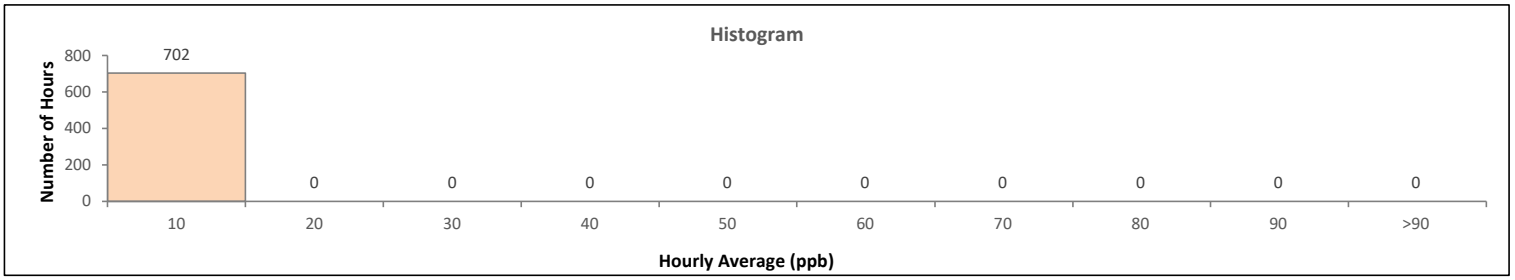
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Oct 1 at hr 16	Hours in Service:	744	
Maximum Daily Value:	0.2	ppb	on Oct 9	Hours of Data:	702	
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	5	
Minimum Daily Value:	0.0	ppb	on Oct 2	Hours of Calibration:	37	
Monthly Average:	0.0	ppb		Operational Uptime:	99.3	

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



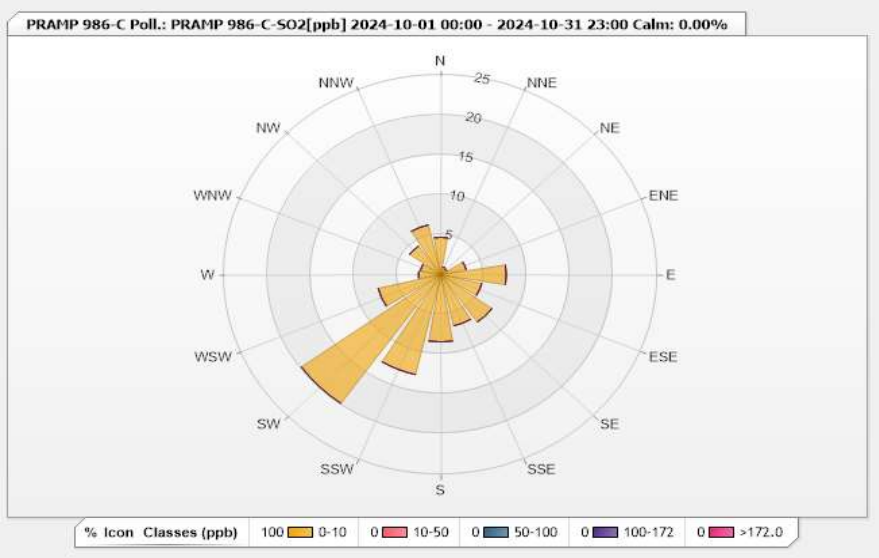


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 10-2024

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

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

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	4.7	0	0	0	0	4.7
NNE	1	0	0	0	0	1
NE	0.85	0	0	0	0	0.85
ENE	2.99	0	0	0	0	2.99
E	7.55	0	0	0	0	7.55
ESE	4.84	0	0	0	0	4.84
SE	7.26	0	0	0	0	7.26
SSE	6.55	0	0	0	0	6.55
S	8.4	0	0	0	0	8.4
SSW	12.82	0	0	0	0	12.82
SW	19.8	0	0	0	0	19.8
WSW	7.41	0	0	0	0	7.41
W	2.56	0	0	0	0	2.56
WNW	2.42	0	0	0	0	2.42
NW	4.42	0	0	0	0	4.42
NNW	6.41	0	0	0	0	6.41
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

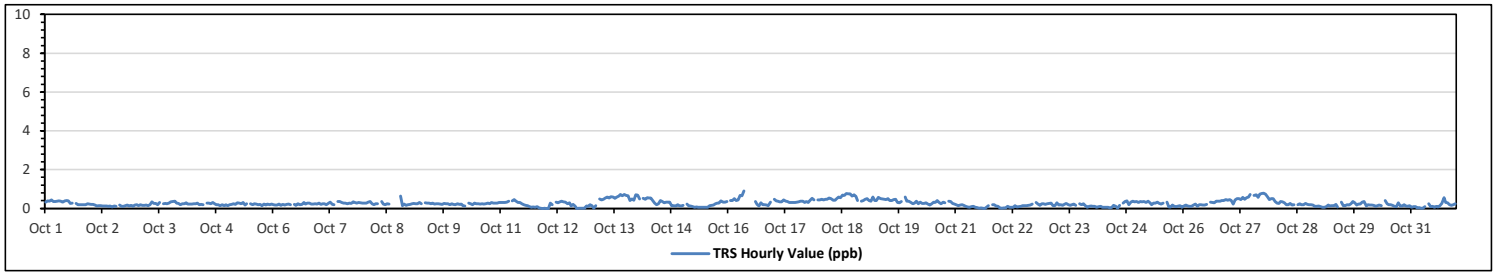
TOTAL REDUCED SULPHUR (TRS) in ppb

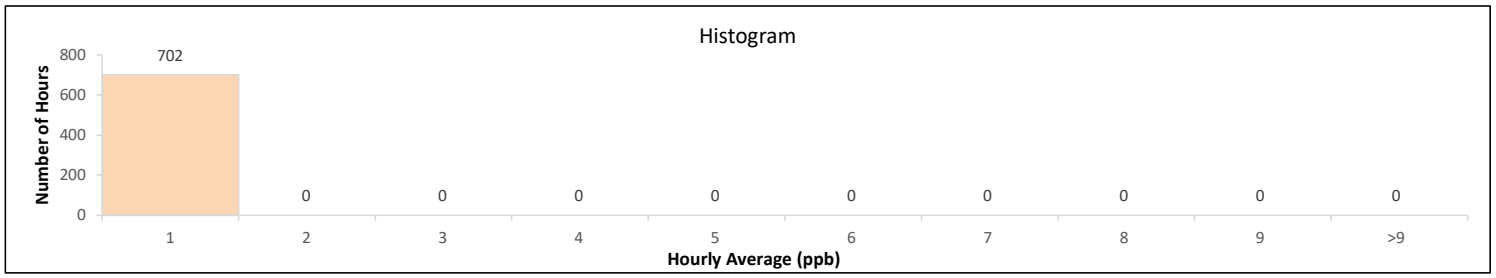
Maximum Hourly Value:	0.90	ppb	on Oct 16 at hr 8	Hours in Service:	744	
Maximum Daily Value:	0.56	ppb	on Oct 27	Hours of Data:	702	
Minimum Hourly Value:	0.00	ppb	on Oct 11 at hr 22	Hours of Missing Data:	5	
Minimum Daily Value:	0.10	ppb	on Oct 21	Hours of Calibration:	37	
Monthly Average:	0.26	ppb		Operational Uptime:	99.3	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	0.32	0.39	0.37	0.44	0.35	0.35	0.38	0.39	0.38	0.33	0.39	0.42	0.39	0.26	0.27	S	0.26	0.2	0.2	0.18	0.19	0.2	0.24	0.22	0.18	0.44	0.31
Oct 2	0.21	0.21	0.17	0.13	0.14	0.14	0.12	0.12	0.13	0.1	0.12	0.08	0.12	0.1	S	0.17	0.1	0.11	0.14	0.17	0.12	0.16	0.11	0.17	0.08	0.21	0.14
Oct 3	0.2	0.15	0.18	0.16	0.16	0.17	0.15	0.18	0.34	0.26	0.26	0.19	0.3	S	0.25	0.26	0.25	0.27	0.34	0.35	0.37	0.28	0.26	0.18	0.15	0.37	0.24
Oct 4	0.24	0.25	0.29	0.22	0.22	0.22	0.24	0.25	0.27	0.2	0.21	0.19	S	0.28	0.28	0.23	0.31	0.25	0.18	0.18	0.14	0.19	0.15	0.2	0.14	0.31	0.23
Oct 5	0.15	0.19	0.21	0.24	0.21	0.29	0.28	0.25	0.31	0.17	0.24	S	0.25	0.19	0.23	0.22	0.19	0.21	0.15	0.22	0.17	0.22	0.19	0.22	0.15	0.31	0.22
Oct 6	0.18	0.17	0.17	0.22	0.16	0.21	0.17	0.21	0.22	0.19	S	0.21	0.16	0.24	0.19	0.21	0.3	0.22	0.27	0.28	0.22	0.22	0.23	0.22	0.16	0.30	0.21
Oct 7	0.27	0.21	0.23	0.25	0.19	0.26	0.33	0.21	0.19	S	0.35	0.35	0.31	0.27	0.27	0.23	0.27	0.26	0.34	0.3	0.28	0.31	0.29	0.27	0.19	0.35	0.27
Oct 8	0.27	0.27	0.32	0.35	0.23	0.19	0.24	0.24	S	0.36	0.22	0.2	0.24	0.22	P	P	P	P	P	0.64	0.15	0.22	0.16	0.18	0.15	0.64	0.26
Oct 9	0.21	0.25	0.26	0.25	0.24	0.3	0.25	S	0.29	0.27	0.27	0.24	0.28	0.22	0.24	0.23	0.22	0.21	0.26	0.23	0.25	0.2	0.23	0.21	0.20	0.30	0.24
Oct 10	0.19	0.23	0.21	0.22	0.14	0.13	S	0.27	0.25	0.2	0.28	0.24	0.24	0.22	0.23	0.22	0.23	0.28	0.25	0.31	0.28	0.27	0.28	0.31	0.13	0.31	0.24
Oct 11	0.3	0.3	0.31	0.33	0.38	S	0.39	0.46	0.38	0.3	0.3	0.24	0.18	0.16	0.15	0.09	0.07	0.08	0.06	0.09	0.03	0.01	0	0.02	0.00	0.46	0.20
Oct 12	0	0	0.27	0.18	S	0.33	0.29	0.34	0.37	0.34	0.32	0.24	0.29	0.13	0.21	0.12	0	0.01	0.01	0.01	0.02	0.13	0.11	0.19	0.00	0.37	0.17
Oct 13	0.14	0.01	0.15	S	0.49	0.44	0.47	0.53	0.58	0.53	0.61	0.58	0.52	0.58	0.64	0.71	0.65	0.71	0.67	0.66	0.42	0.49	0.43	0.7	0.01	0.71	0.51
Oct 14	0.68	0.49	S	0.52	0.47	0.56	0.53	0.53	0.4	0.27	0.18	0.25	0.42	0.36	0.29	0.33	0.32	0.32	0.14	0.15	0.12	0.18	0.15	0.12	0.12	0.68	0.34
Oct 15	0.16	S	0.22	0.13	0.12	0.09	0.06	0.08	0.06	0.05	0.06	0.06	0.05	0.06	0.15	0.16	0.17	0.25	0.28	0.28	0.39	0.32	0.32	0.35	0.05	0.39	0.17
Oct 16	S	0.4	0.42	0.51	0.41	0.44	0.67	0.65	**0.9**	C	C	C	C	C	0.36	0.21	0.12	0.29	0.18	0.2	0.17	0.14	0.33	S	0.12	**0.90**	NA
Oct 17	0.48	0.39	0.37	0.34	0.34	0.44	0.38	0.35	0.31	0.31	0.3	0.3	0.33	0.34	0.37	0.38	0.31	0.35	0.3	0.43	0.52	0.44	S	0.44	0.30	0.52	0.37
Oct 18	0.44	0.47	0.44	0.48	0.47	0.53	0.51	0.43	0.43	0.5	0.6	0.56	0.68	0.67	0.76	0.75	0.75	0.63	0.7	0.62	0.41	S	0.37	0.4	0.37	0.76	0.55
Oct 19	0.48	0.5	0.41	0.37	0.58	0.4	0.41	0.57	0.5	0.49	0.47	0.46	0.51	0.42	0.42	0.46	0.48	0.3	0.29	0.35	S	0.58	0.38	0.37	0.29	0.58	0.44
Oct 20	0.31	0.24	0.28	0.38	0.25	0.33	0.26	0.26	0.29	0.22	0.17	0.23	0.33	0.31	0.4	0.3	0.25	0.33	0.29	S	0.38	0.35	0.26	0.22	0.17	0.40	0.29
Oct 21	0.19	0.15	0.17	0.18	0.16	0.1	0.08	0.07	0.09	0.11	0.05	0.04	0.02	0.03	0.01	0	0.07	0.14	S	0.18	0.19	0.13	0.11	0.03	0.00	0.19	0.10
Oct 22	0.02	0.03	0.03	0.11	0.05	0.05	0.05	0.15	0.08	0.09	0.11	0.14	0.15	0.14	0.16	0.17	0.22	S	0.31	0.22	0.16	0.23	0.24	0.21	0.02	0.31	0.14
Oct 23	0.25	0.26	0.28	0.14	0.15	0.29	0.17	0.18	0.16	0.21	0.26	0.19	0.16	0.19	0.22	0.16	S	0.25	0.19	0.23	0.14	0.06	0.11	0.12	0.06	0.29	0.19
Oct 24	0.1	0.11	0.06	0.09	0.1	0.05	0.07	0.06	0.07	0.03	0.06	0.16	0.11	0.01	0.16	S	0.28	0.36	0.39	0.2	0.33	0.37	0.34	0.35	0.01	0.39	0.17
Oct 25	0.31	0.35	0.34	0.36	0.31	0.37	0.29	0.19	0.28	0.28	0.33	0.26	0.22	0.27	S	0.32	0.08	0.08	0.17	0.1	0.09	0.12	0.15	0.07	0.07	0.37	0.23
Oct 26	0.13	0.17	0.13	0.1	0.1	0.17	0.22	0.1	0.18	0.18	0.17	0.17	0.21	S	0.32	0.3	0.29	0.37	0.38	0.37	0.42	0.42	0.46	0.43	0.10	0.46	0.25
Oct 27	0.45	0.41	0.22	0.44	0.51	0.51	0.45	0.57	0.48	0.55	0.6	0.71	S	0.67	0.7	0.57	0.74	0.76	0.79	0.74	0.61	0.45	0.5	0.5	0.22	0.79	**0.56**
Oct 28	0.36	0.28	0.26	0.36	0.34	0.29	0.18	0.2	0.26	0.17	0.18	S	0.18	0.24	0.2	0.18	0.26	0.21	0.18	0.2	0.17	0.11	0.1	0.12	0.10	0.36	0.22
Oct 29	0.09	0.06	0.06	0.09	0.17	0.13	0.14	0.15	0.21	0.08	S	0.32	0.15	0.15	0.2	0.17	0.24	0.35	0.29	0.17	0.22	0.22	0.33	0.35	0.06	0.35	0.19
Oct 30	0.13	0.18	0.17	0.17	0.16	0.11	0.15	0.17	0.14	S	0.42	0.25	0.2	0.18	0.16	0.11	0.09	0.29	0.12	0.12	0.18	0.12	0.11	0.14	0.09	0.42	0.17
Oct 31	0.07	0.09	0.09	0.03	0.04	0.02	0.02	0.09	S	0.25	0.09	0.11	0.05	0.1	0.08	0.14	0.26	0.55	0.31	0.29	0.2	0.16	0.18	0.23	0.02	0.55	0.15
Diurnal Maximum	0.68	0.50	0.44	0.52	0.58	0.56	0.67	0.65	0.90	0.55	0.61	0.71	0.68	0.67	0.76	0.75	0.75	0.76	0.79	0.74	0.61	0.58	0.50	0.70			
Diurnal Average	0.24	0.24	0.24	0.26	0.25	0.26	0.27	0.28	0.29	0.25	0.27	0.26	0.25	0.25	0.28	0.26	0.27	0.30	0.28	0.28	0.24	0.24	0.24	0.25			

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 - October 2024

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

Maximum 30-Minute Value:	1.02 ppb	on Oct 8 at 19:00	# of Instrument in Service	1488
Maximum Daily Value:	0.56 ppb	on Oct 27	# of Valid Measurements	1406
Minimum 30-Minute Value:	0.00 ppb	Oct 11 at 20:30	# of Missing Measurements:	9
Minimum Daily Value:	0.10 ppb	on Oct 21	# of Calibration:	73
Monthly Average:	0.26 ppb		Operational Uptime:	99.4

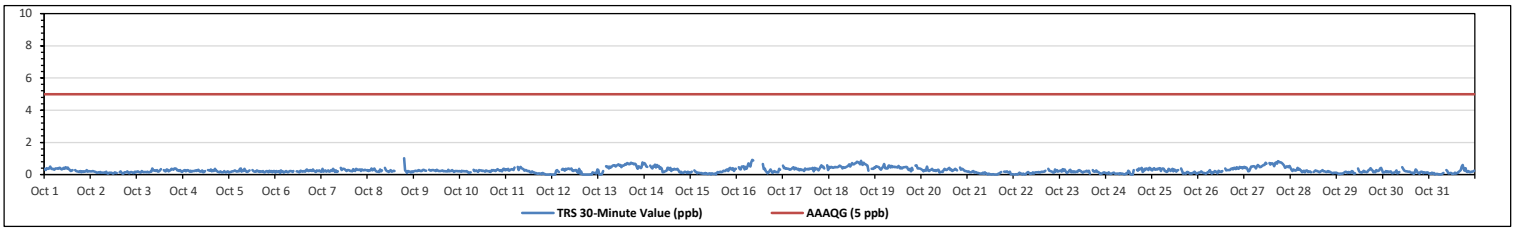
30-Minute Period Starting at (MST)

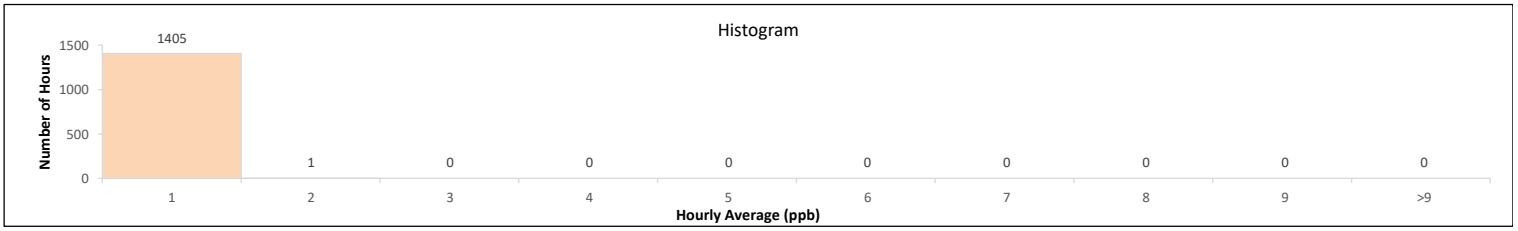
Day	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Diurnal Maximum	Diurnal Average
00:00	0.37	0.21	0.19	0.23	0.13	0.13	0.18	0.3	0.2	0.2	0.32	0	0.28	0.72	0.13	S	0.56	0.48	0.42	0.33	0.18	0.02	0.24	0.09	0.27	0.13	0.49	0.42	0.1	0.12	0.06	0.72	0.25
00:30	0.28	0.2	0.21	0.26	0.17	0.24	0.36	0.24	0.23	0.18	0.28	0	0.01	0.64	0.19	S	0.4	0.41	0.53	0.3	0.2	0.02	0.26	0.11	0.35	0.13	0.4	0.31	0.07	0.15	0.08	0.64	0.24
01:00	0.4	0.23	0.16	0.29	0.16	0.18	0.19	0.26	0.25	0.25	0.35	0	0	0.51	S	0.46	0.41	0.48	0.5	0.21	0.15	0.03	0.18	0.08	0.4	0.14	0.44	0.23	0.08	0.15	0.04	0.51	0.24
01:30	0.37	0.2	0.14	0.2	0.21	0.16	0.24	0.27	0.24	0.2	0.25	0	0.02	0.48	S	0.34	0.36	0.46	0.49	0.28	0.15	0.03	0.34	0.14	0.31	0.2	0.37	0.33	0.03	0.22	0.13	0.49	0.24
02:00	0.36	0.18	0.13	0.27	0.2	0.24	0.27	0.38	0.24	0.22	0.3	0.25	0.06	S	0.27	0.32	0.38	0.43	0.46	0.3	0.15	0.01	0.24	0.07	0.32	0.15	0.21	0.28	0.07	0.14	0.06	0.46	0.23
02:30	0.38	0.16	0.23	0.3	0.22	0.1	0.18	0.26	0.28	0.2	0.33	0.29	0.23	S	0.18	0.51	0.36	0.44	0.37	0.25	0.2	0.06	0.32	0.05	0.37	0.1	0.23	0.25	0.06	0.2	0.11	0.51	0.24
03:00	0.5	0.13	0.18	0.25	0.26	0.26	0.24	0.33	0.26	0.21	0.34	0.2	S	0.57	0.17	0.5	0.37	0.49	0.31	0.5	0.23	0.13	0.18	0.07	0.32	0.1	0.37	0.29	0.06	0.15	0.01	0.57	0.27
03:30	0.38	0.12	0.14	0.19	0.22	0.18	0.27	0.38	0.24	0.23	0.32	0.16	S	0.46	0.09	0.53	0.31	0.47	0.43	0.26	0.13	0.08	0.11	0.11	0.39	0.09	0.51	0.42	0.11	0.19	0.05	0.53	0.25
04:00	0.34	0.15	0.16	0.25	0.18	0.2	0.19	0.26	0.23	0.18	0.3	S	0.52	0.39	0.13	0.33	0.32	0.47	0.5	0.22	0.17	0.08	0.14	0.12	0.4	0.08	0.5	0.31	0.14	0.21	0.05	0.52	0.25
04:30	0.36	0.13	0.16	0.19	0.24	0.13	0.2	0.2	0.26	0.11	0.45	S	0.46	0.54	0.11	0.49	0.35	0.47	0.67	0.28	0.15	0.02	0.17	0.08	0.23	0.12	0.52	0.36	0.19	0.11	0.04	0.67	0.26
05:00	0.31	0.16	0.15	0.23	0.21	0.19	0.29	0.19	0.31	0.12	S	0.31	0.5	0.5	0.09	0.37	0.42	0.5	0.4	0.31	0.1	0.08	0.27	0.04	0.36	0.13	0.52	0.3	0.16	0.09	0	0.52	0.25
05:30	0.39	0.12	0.19	0.22	0.36	0.23	0.23	0.18	0.29	0.15	S	0.36	0.38	0.62	0.1	0.5	0.46	0.56	0.39	0.35	0.1	0.03	0.31	0.06	0.38	0.21	0.49	0.27	0.11	0.12	0.03	0.62	0.27
06:00	0.38	0.12	0.15	0.23	0.38	0.18	0.37	0.16	0.25	S	0.48	0.33	0.5	0.45	0.07	0.69	0.33	0.52	0.43	0.26	0.09	0.02	0.14	0.08	0.37	0.3	0.38	0.15	0.16	0.13	0	0.69	0.27
06:30	0.39	0.13	0.15	0.26	0.18	0.15	0.3	0.32	0.25	S	0.29	0.25	0.44	0.6	0.06	0.64	0.43	0.49	0.39	0.25	0.08	0.07	0.2	0.07	0.22	0.14	0.52	0.21	0.12	0.17	0.03	0.64	0.26
07:00	0.36	0.12	0.18	0.24	0.26	0.19	0.16	0.21	S	0.31	0.43	0.36	0.51	0.51	0.05	0.51	0.39	0.38	0.57	0.28	0.07	0.13	0.15	0.03	0.22	0.06	0.61	0.25	0.17	0.26	0.07	0.61	0.27
07:30	0.42	0.11	0.19	0.27	0.23	0.24	0.26	0.26	S	0.22	0.49	0.33	0.56	0.54	0.11	0.79	0.32	0.47	0.57	0.24	0.07	0.17	0.2	0.09	0.16	0.14	0.54	0.15	0.12	0.09	0.11	0.79	0.28
08:00	0.42	0.18	0.39	0.31	0.36	0.23	0.17	S	0.31	0.23	0.4	0.37	0.58	0.36	0.04	0.91	0.37	0.41	0.45	0.26	0.13	0.1	0.15	0.08	0.2	0.13	0.47	0.25	0.23	0.11	S	0.91	0.30
08:30	0.35	0.09	0.29	0.23	0.26	0.21	0.21	S	0.26	0.26	0.35	0.38	0.58	0.44	0.08	0.88	0.26	0.45	0.55	0.31	0.05	0.05	0.18	0.06	0.35	0.22	0.49	0.27	0.19	0.16	S	0.88	0.29
09:00	0.32	0.08	0.25	0.19	0.19	0.17	S	0.43	0.25	0.24	0.34	0.34	0.5	0.39	0.03	C	0.34	0.49	0.46	0.31	0.14	0.09	0.16	0.05	0.32	0.2	0.53	0.16	0.06	S	0.28	0.53	0.26
09:30	0.35	0.12	0.27	0.21	0.16	0.22	S	0.29	0.29	0.16	0.25	0.34	0.57	0.15	0.08	C	0.29	0.52	0.51	0.13	0.08	0.08	0.27	0.01	0.23	0.15	0.57	0.18	0.09	S	0.22	0.57	0.24
10:00	0.42	0.11	0.22	0.27	0.21	S	0.42	0.23	0.28	0.29	0.3	0.39	0.6	0.16	0.09	C	0.31	0.57	0.47	0.16	0.08	0.14	0.28	0.04	0.29	0.09	0.6	0.21	S	0.46	0.09	0.60	0.28
10:30	0.36	0.12	0.3	0.15	0.27	S	0.28	0.21	0.27	0.27	0.3	0.25	0.63	0.2	0.02	C	0.3	0.64	0.48	0.19	0.02	0.08	0.24	0.09	0.37	0.25	0.61	0.15	S	0.37	0.09	0.64	0.27
11:00	0.46	0.1	0.19	0.16	S	0.21	0.36	0.17	0.25	0.26	0.23	0.22	0.57	0.22	0.09	C	0.23	0.51	0.47	0.17	0.06	0.12	0.23	0.06	0.2	0.16	0.74	S	0.39	0.26	0.11	0.74	0.26
11:30	0.39	0.06	0.2	0.22	S	0.21	0.35	0.24	0.23	0.22	0.24	0.26	0.6	0.27	0.04	C	0.38	0.61	0.45	0.28	0.03	0.15	0.16	0.25	0.32	0.18	0.68	S	0.24	0.23	0.11	0.68	0.27
12:00	0.44	0.09	0.27	S	0.28	0.17	0.34	0.29	0.31	0.25	0.22	0.29	0.46	0.43	0.04	C	0.34	0.72	0.54	0.36	0.03	0.15	0.12	0.18	0.27	0.17	S	0.16	0.15	0.2	0.05	0.72	0.26
12:30	0.34	0.14	0.34	S	0.22	0.15	0.29	0.19	0.26	0.24	0.15	0.28	0.57	0.41	0.06	C	0.32	0.65	0.47	0.31	0.01	0.15	0.19	0.05	0.18	0.24	S	0.2	0.15	0.21	0.05	0.65	0.24
13:00	0.31	0.1	S	0.3	0.19	0.25	0.24	0.2	0.22	0.19	0.13	0.16	0.57	0.31	0.02	C	0.35	0.65	0.39	0.28	0.03	0.16	0.18	0	0.27	S	0.72	0.26	0.12	0.18	0.06	0.72	0.24
13:30	0.22	0.1	S	0.26	0.19	0.23	0.3	0.25	0.22	0.26	0.2	0.1	0.59	0.41	0.1	0.67	0.32	0.69	0.44	0.33	0.03	0.12	0.21	0.02	0.28	S	0.62	0.22	0.18	0.18	0.13	0.69	0.27
14:00	0.25	S	0.28	0.25	0.19	0.19	0.28	0.24	0.23	0.24	0.15	0.36	0.66	0.24	0.17	0.34	0.38	0.73	0.39	0.38	0	0.14	0.25	0.02	S	0.38	0.69	0.22	0.25	0.19	0.07	0.73	0.28
14:30	0.29	S	0.22	0.32	0.27	0.2	0.26	P	0.25	0.22	0.15	0.06	0.62	0.33	0.12	0.38	0.36	0.8	0.45	0.41	0.01	0.18	0.19	0.3	S	0.26	0.7	0.18	0.16	0.13	0.1	0.80	0.28
15:00	S	0.14	0.2	0.21	0.21	0.22	0.23	P	0.26	0.2	0.09	0.21	0.73	0.31	0.14	0.24	0.35	0.78	0.46	0.28	0	0.17	0.25	S	0.39	0.3	0.6	0.15	0.19	0.1	0.1	0.78	0.27
15:30	S	0.2	0.32	0.26	0.23	0.19	0.24	P	0.21	0.24	0.1	0.03	0.68	0.35	0.19	0.17	0.41	0.72	0.46	0.32	0	0.18	0.08	S	0.25	0.3	0.53	0.21	0.15	0.13	0.18	0.72	0.26
16:00	0.3	0.12	0.31	0.24	0.17	0.27	0.21	P	0.23	0.17	0.08	0	0.64	0.32	0.15	0.09	0.21	0.64	0.49	0.24	0.08	0.19	S	0.31	0.07	0.29	0.73	0.22	0.18	0.05	0.23	0.73	0.25
16:30	0.23	0.08	0.2	0.37	0.2	0.33	0.34	P	0.21	0.3	0.05	0	0.66	0.32	0.18	0.15	0.42	0.85	0.47	0.26	0.06	0.25	S	0.25	0.1	0.3	0.75	0.3	0.29	0.13	0.29	0.85	0.29
17:00	0.21	0.07	0.25	0.25	0.19	0.23	0.27	P	0.2	0.26	0.09	0.01	0.74	0.36	0.25	0.24	0.32	0.66	0.32	0.31	0.12	S	0.3	0.39	0.09	0.36	0.68	0.21	0.31	0.33	0.5	0.74	0.29
17:30	0.19	0.14	0.29	0.25	0.24	0.22	0.24	P	0.21	0.29	0.06	0	0.69	0.28	0.24	0.33	0.38	0.6	0.29	0.35	0.17	S	0.2	0.33	0.08	0.38	0.84	0.21	0.4	0.26	0.6	0.84	0.30
18:00	0.17	0.14	0.35	0.19	0.15	0.28	0.35	P	0.31	0.25	0.08	0.01	0.7	0.16	0.24	0.24	0.34	0.74	0.37	0.32	S	0.37	0.19	0.36	0.16	0.33	0.81	0.19	0.32	0.13	0.37	0.81	0.30
18:30	0.22	0.14	0.34	0.17	0.15	0.26	0.33	P	0.21	0.24	0.03	0.01	0.64	0.12	0.31	0.11	0.27	0.67	0.21	0.26	S	0.25	0.18	0.42	0.17	0.42	0.76	0.17	0.26	0.11	0.25	0.76	0.26
19:00	0.14	0.2	0.31	0.14	0.21	0.24	0.29	1.02	0.22	0.28	0.11	0.02	0.68	0.19	0.33	0.16	0.37	0.63	0.41	S	0.19	0.23	0.26	0.16	0.13	0.41	0.76	0.17	0.14	0.07	0.4	1.02	0.30
19:30	0.21	0.13	0.39	0.21	0.22	0.32	0.31	0.27	0.23	0.34	0.06	0.01	0.64	0.12	0.24	0.23	0.49	0.61	0.29	S	0.18	0.21	0.19	0.23	0.06	0.34	0.73	0.23	0.19	0.16	0.18	0.73	0.27
20:00	0.17	0.09	0.38	0.14	0.2	0.25	0.32	0.2	0.29	0.29	0.05	0.03	0.48	0.11	0.38	0.16	0.58	0.57	S	0.45	0.17	0.19	0.16	0.36	0.09	0.46	0.66	0.17	0.14	0.19	0.16	0.66	0.26
20:30	0.21	0.14	0.35	0.14	0.14	0.2	0.24	0.11	0.22	0.27	0	0.02	0.37	0.12	0.41	0.17	0.46	0.25	S	0.31	0.21	0.13	0.12	0.3	0.08	0.39	0.57	0.18	0.3	0.17	0.24	0.57	0.23
21:00	0.18	0.17	0.27	0.15	0.25	0.17	0.32	0.23	0.17	0.24	0	0.15	0.52	0.18	0.32	0.14	0.5	S	0.57	0.36	0.14	0.14	0.05	0.38	0.11	0.37	0.43	0.12	0.22	0.09	0.17	0.57	0.24
21:30	0.23	0.15	0.28	0.23	0.19	0.26	0.3	0.2	0.23	0.3	0.02	0.11	0.46	0.17	0.32	0.14	0.38	S	0.59	0.34	0.12	0.32	0.07	0.37	0.13	0.48	0.47	0.11	0.22	0.14	0.15	0.59	0.25
22:00	0.3	0.11	0.24	0.15	0.23	0.22	0.26	0.19	0.22	0.21	0.01	0.11	0.4	0.11	0.4	0.35	S	0.37	0.38	0.29	0.19	0.2	0.09	0.28	0.18	0.45	0.52	0.09	0.27	0.12	0.18	0.52	0.24
22:30	0.19	0.11	0.29	0.15	0.15	0.24	0.31	0.13	0.23	0.36	0	0.1	0.47	0.18	0.24	0.31	S	0.37	0.38	0.24	0.03	0.28	0.13	0.41	0.12	0.47	0.49	0.12	0.39	0.1	0.18	0.49	0.24
23:00	0.23	0.18	0.2	0.2	0.23	0.26	0.28	0.21	0.2	0.35	0.03	0.06	0.76	0.1	0.35	S	0.59	0.36	0.38	0.23	0.03	0.19	0.14	0.4	0.06	0.39	0.46	0.11	0.41	0.15	0.2	0.76	0.26
23:30	0.21	0.15	0.16	0.19	0.22	0.19	0.26	0.15	0.22	0.26	0	0.32	0.65	0.13	0.35	S	0.3	0.44	0.37	0.21	0.03	0.23	0.11	0.3	0.08	0.46	0.55	0.12	0.28	0.13	0.25	0.65	0.24
Minimum	0.14	0.06	0.13	0.14	0.13	0.1	0.16	0.11	0.17	0.11	0	0	0	0.1	0.02	0.09	0.21	0.25	0.21	0.13	0	0.01	0.05	0	0.06	0.06	0.21	0.09	0.03	0.05	0		
Maximum	0.5	0.23	0.39	0.37	0.38	0.33	0.42	1.02	0.31	0.36	0.49	0.39	0.76	0.72	0.41	0.91	0.59	0.85	0.67	0.5	0.23	0.37	0.34	0.42	0.4	0.48	0.84	0.42	0.41	0.46	0.6		
Average	0.31	0.14	0.24	0.23	0.22	0.21	0.27	0.26	0.24	0.24	0.2	0.17	0.51	0.34	0.17	0.38	0.37	0.55	0.44	0.29	0.1	0.14	0.19	0.17	0.23	0.25	0.56	0.22	0.19	0.17	0.15		

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



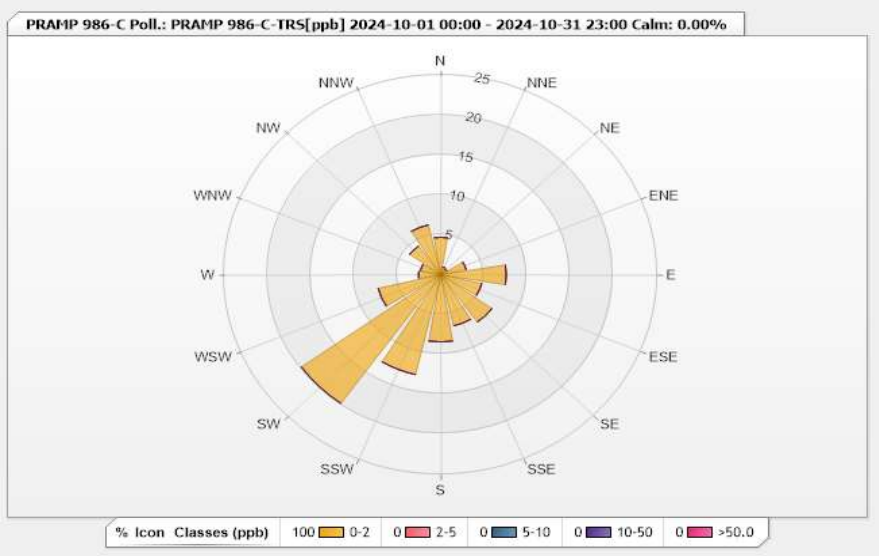


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 10-2024

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

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

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.7	0	0	0	0	4.7
NNE	1	0	0	0	0	1
NE	0.85	0	0	0	0	0.85
ENE	2.99	0	0	0	0	2.99
E	7.55	0	0	0	0	7.55
ESE	4.84	0	0	0	0	4.84
SE	7.26	0	0	0	0	7.26
SSE	6.55	0	0	0	0	6.55
S	8.4	0	0	0	0	8.4
SSW	12.82	0	0	0	0	12.82
SW	19.8	0	0	0	0	19.8
WSW	7.41	0	0	0	0	7.41
W	2.56	0	0	0	0	2.56
WNW	2.42	0	0	0	0	2.42
NW	4.42	0	0	0	0	4.42
NNW	6.41	0	0	0	0	6.41
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

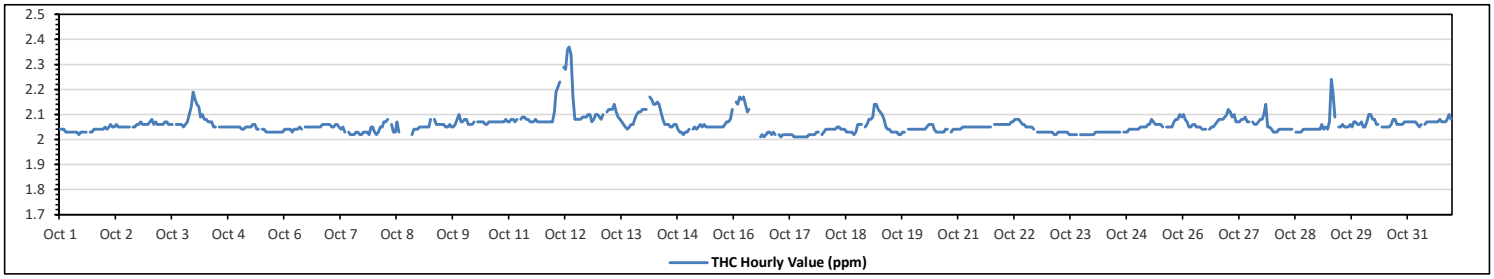
TOTAL HYDROCARBONS (THC) in ppm

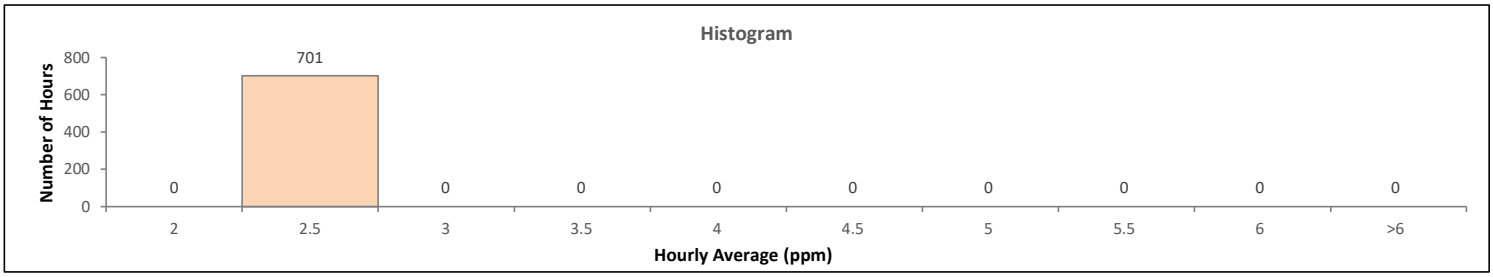
Maximum Hourly Value:	2.37	ppm	on Oct 12 at hr 8	Hours in Service:	744
Maximum Daily Value:	2.16	ppm	on Oct 12	Hours of Data:	701
Minimum Hourly Value:	2.01	ppm	on Oct 16 at hr 14	Hours of Missing Data:	6
Minimum Daily Value:	2.02	ppm	on Oct 17	Hours of Calibration:	37
Monthly Average:	2.06	ppm		Operational Uptime:	99.2

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			
Oct 1	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.03	2.03	S	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.02	2.04	2.03
Oct 2	2.05	2.04	2.05	2.06	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.05	2.06	2.06	2.07	2.06	2.06	2.06	2.06	2.04	2.07	2.05
Oct 3	2.07	2.08	2.06	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.05	2.06	2.07	2.10	2.13	2.19	2.05	2.19	2.07
Oct 4	2.16	2.14	2.13	2.09	2.10	2.08	2.08	2.07	2.07	2.07	2.05	2.05	S	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.16	2.07
Oct 5	2.05	2.04	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.04	2.04	S	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.06	2.04
Oct 6	2.04	2.04	2.04	2.04	2.03	2.04	2.04	2.04	2.05	2.04	S	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.03	2.06	2.05
Oct 7	2.06	2.05	2.05	2.06	2.06	2.05	2.04	2.05	2.03	S	2.03	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.02	2.05	2.05	2.02	2.06	2.04
Oct 8	2.03	2.02	2.03	2.05	2.05	2.07	2.07	2.08	S	2.06	2.03	2.03	2.07	2.03	P	P	P	P	P	X	2.02	2.04	2.04	2.04	2.02	2.08	NA
Oct 9	2.05	2.05	2.05	2.05	2.05	2.05	2.08	S	2.08	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.06	2.05	2.05	2.06	2.08	2.10	2.07	2.07	2.05	2.10	2.06
Oct 10	2.08	2.08	2.06	2.06	2.06	2.07	S	2.07	2.07	2.07	2.07	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.06	2.08	2.07
Oct 11	2.07	2.08	2.08	2.07	2.08	S	2.08	2.09	2.09	2.08	2.08	2.07	2.07	2.07	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.09	2.07
Oct 12	2.11	2.19	2.21	2.23	S	2.29	2.28	2.36	**2.37**	2.34	2.17	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.07	2.08	2.10	2.10	2.07	**2.37**	**2.16**
Oct 13	2.09	2.08	2.10	S	2.11	2.12	2.12	2.12	2.14	2.11	2.09	2.08	2.07	2.06	2.05	2.04	2.05	2.06	2.06	2.08	2.10	2.11	2.11	2.12	2.04	2.14	2.09
Oct 14	2.12	2.12	S	2.17	2.16	2.14	2.14	2.15	2.14	2.11	2.08	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.04	2.03	2.03	2.02	2.03	2.03	2.02	2.17	2.08
Oct 15	2.04	S	2.04	2.05	2.04	2.05	2.06	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	2.08	2.12	2.04	2.12	2.06
Oct 16	S	2.15	2.14	2.17	2.16	2.17	2.14	2.11	2.12	C	C	C	C	C	2.01	2.02	2.01	2.02	2.03	2.03	2.02	2.03	2.02	S	2.01	2.17	NA
Oct 17	2.02	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	S	2.02	2.01	2.03	2.02
Oct 18	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.03	2.06	2.06	2.06	S	2.05	2.06	2.02	2.06	2.04
Oct 19	2.08	2.08	2.09	2.14	2.14	2.12	2.11	2.10	2.08	2.05	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	S	2.04	2.04	2.04	2.02	2.14	2.06
Oct 20	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.06	2.04	2.03	2.03	2.03	2.03	2.03	2.04	2.04	S	2.03	2.04	2.04	2.04	2.03	2.06	2.04
Oct 21	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	S	2.06	2.06	2.06	2.06	2.06	2.04	2.06	2.05
Oct 22	2.06	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.08	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.04	S	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.08	2.05
Oct 23	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02
Oct 24	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.02	2.04	2.03
Oct 25	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.08	2.07	2.06	2.06	2.06	2.06	2.05	S	2.05	2.05	2.05	2.05	2.07	2.08	2.08	2.10	2.09	2.04	2.10	2.06
Oct 26	2.10	2.08	2.07	2.05	2.05	2.06	2.06	2.05	2.05	2.05	2.04	2.04	2.04	S	2.04	2.05	2.05	2.06	2.07	2.08	2.08	2.08	2.09	2.10	2.04	2.10	2.06
Oct 27	2.12	2.11	2.09	2.10	2.07	2.07	2.07	2.08	2.08	2.09	2.07	2.07	S	2.07	2.06	2.06	2.07	2.08	2.08	2.10	2.14	2.05	2.05	2.04	2.04	2.14	2.08
Oct 28	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	S	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.04	2.04
Oct 29	2.04	2.04	2.06	2.04	2.05	2.04	2.07	2.24	2.19	2.09	S	2.05	2.05	2.06	2.05	2.05	2.05	2.06	2.05	2.07	2.07	2.06	2.06	2.07	2.04	2.24	2.07
Oct 30	2.05	2.05	2.07	2.10	2.10	2.08	2.08	2.06	2.06	S	2.05	2.05	2.05	2.05	2.05	2.06	2.08	2.08	2.06	2.06	2.06	2.06	2.07	2.07	2.05	2.10	2.07
Oct 31	2.07	2.07	2.07	2.07	2.07	2.06	2.05	2.06	S	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.07	2.07	2.08	2.10	2.08	2.05	2.10	2.07
Diurnal Maximum	2.16	2.19	2.21	2.23	2.16	2.29	2.28	2.36	2.37	2.34	2.17	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.14	2.11	2.13	2.19			
Diurnal Average	2.06	2.07	2.06	2.07	2.06	2.07	2.07	2.08	2.08	2.07	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06			

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

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



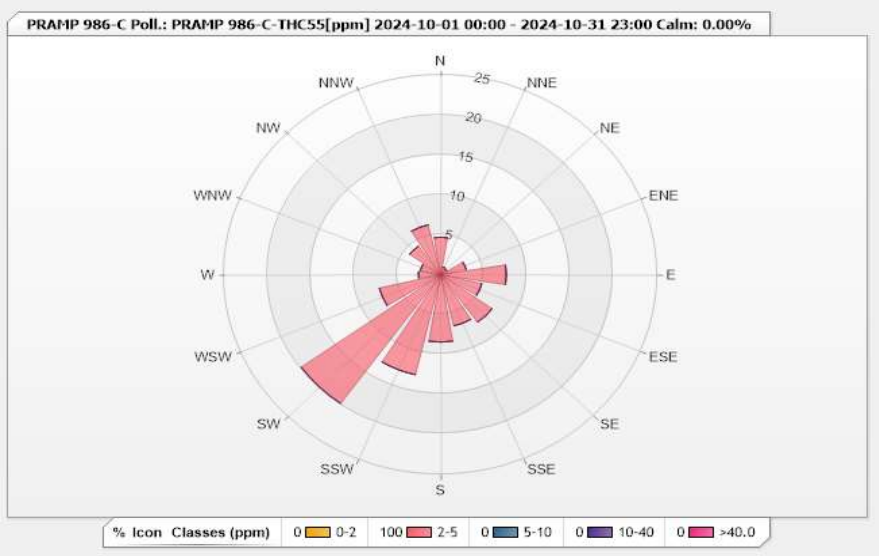


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 94.22% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	4.71	0	0	0	4.71
NNE	0	1	0	0	0	1
NE	0	0.86	0	0	0	0.86
ENE	0	3	0	0	0	3
E	0	7.56	0	0	0	7.56
ESE	0	4.85	0	0	0	4.85
SE	0	7.28	0	0	0	7.28
SSE	0	6.56	0	0	0	6.56
S	0	8.42	0	0	0	8.42
SSW	0	12.84	0	0	0	12.84
SW	0	19.83	0	0	0	19.83
WSW	0	7.28	0	0	0	7.28
W	0	2.57	0	0	0	2.57
WNW	0	2.43	0	0	0	2.43
NW	0	4.42	0	0	0	4.42
NNW	0	6.42	0	0	0	6.42
Summary	0	100	0	0	0	100



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

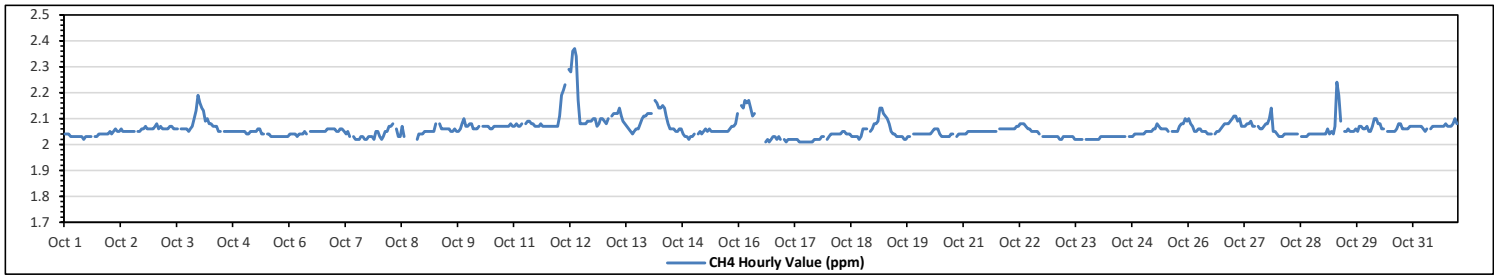
METHANE (CH4) in ppm

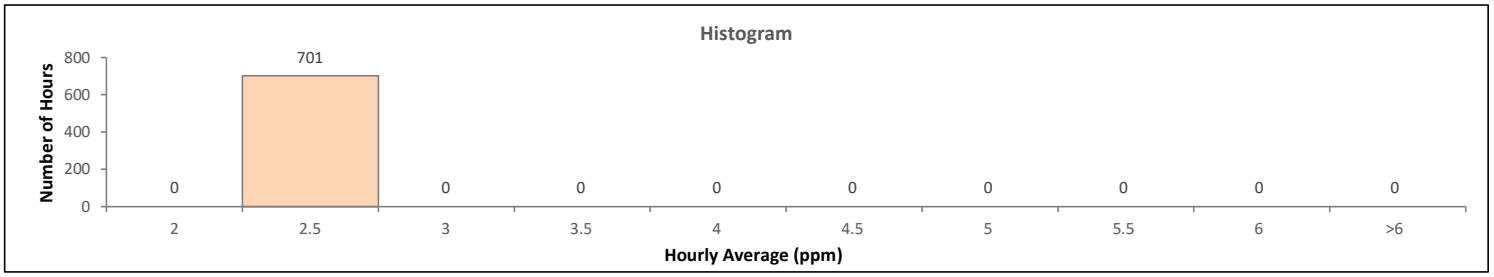
Maximum Hourly Value:	2.37	ppm	on Oct 12 at hr 8	Hours in Service:	744
Maximum Daily Value:	2.16	ppm	on Oct 12	Hours of Data:	701
Minimum Hourly Value:	2.01	ppm	on Oct 16 at hr 14	Hours of Missing Data:	6
Minimum Daily Value:	2.02	ppm	on Oct 17	Hours of Calibration:	37
Monthly Average:	2.06	ppm		Operational Uptime:	99.2

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			
Oct 1	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.03	2.03	S	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.02	2.04	2.03
Oct 2	2.05	2.04	2.05	2.06	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.05	2.06	2.06	2.07	2.06	2.06	2.06	2.06	2.04	2.07	2.05
Oct 3	2.07	2.08	2.06	2.07	2.06	2.06	2.06	2.06	2.07	2.07	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.05	2.06	2.07	2.10	2.13	2.19	2.05	2.19	2.07
Oct 4	2.16	2.14	2.13	2.09	2.10	2.08	2.08	2.07	2.07	2.07	2.05	2.05	S	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.16	2.07
Oct 5	2.05	2.04	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.04	2.04	S	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.06	2.04
Oct 6	2.04	2.04	2.04	2.04	2.03	2.04	2.04	2.04	2.05	2.04	S	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.03	2.06	2.05
Oct 7	2.06	2.05	2.05	2.06	2.06	2.05	2.04	2.05	2.03	S	2.03	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.02	2.05	2.05	2.02	2.06	2.04
Oct 8	2.03	2.02	2.03	2.05	2.05	2.07	2.07	2.08	S	2.06	2.03	2.03	2.07	2.03	P	P	P	P	P	X	2.02	2.04	2.04	2.04	2.02	2.08	NA
Oct 9	2.05	2.05	2.05	2.05	2.05	2.05	2.08	S	2.08	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.06	2.05	2.05	2.06	2.08	2.10	2.07	2.07	2.05	2.10	2.06
Oct 10	2.08	2.08	2.06	2.06	2.06	2.07	S	2.07	2.07	2.07	2.07	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.06	2.08	2.07
Oct 11	2.07	2.08	2.07	2.07	2.08	S	2.08	2.09	2.09	2.08	2.08	2.07	2.07	2.07	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.09	2.07
Oct 12	2.11	2.19	2.21	2.23	S	2.29	2.28	2.36	**2.37**	2.34	2.17	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.07	2.08	2.10	2.10	2.07	**2.37**	**2.16**
Oct 13	2.09	2.08	2.10	S	2.11	2.12	2.12	2.12	2.14	2.11	2.09	2.08	2.07	2.06	2.05	2.04	2.05	2.06	2.06	2.08	2.10	2.11	2.11	2.12	2.04	2.14	2.09
Oct 14	2.12	2.12	S	2.17	2.16	2.14	2.14	2.15	2.14	2.11	2.08	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.04	2.03	2.03	2.02	2.03	2.03	2.02	2.17	2.08
Oct 15	2.04	S	2.04	2.05	2.04	2.05	2.06	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.07	2.08	2.12	2.04	2.12	2.06
Oct 16	S	2.15	2.14	2.17	2.16	2.17	2.14	2.11	2.12	C	C	C	C	C	2.01	2.02	2.01	2.02	2.03	2.03	2.02	2.03	2.02	S	2.01	2.17	NA
Oct 17	2.02	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	S	2.02	2.01	2.03	2.02
Oct 18	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.03	2.06	2.06	2.06	S	2.05	2.06	2.02	2.06	2.04
Oct 19	2.08	2.08	2.09	2.14	2.14	2.12	2.11	2.10	2.08	2.05	2.04	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	S	2.04	2.04	2.04	2.02	2.14	2.06
Oct 20	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.06	2.06	2.04	2.03	2.03	2.03	2.03	2.03	2.04	2.04	S	2.03	2.04	2.04	2.04	2.03	2.06	2.04
Oct 21	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	S	2.06	2.06	2.06	2.06	2.06	2.04	2.06	2.05
Oct 22	2.06	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.08	2.07	2.06	2.06	2.05	2.05	2.05	2.05	2.04	S	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.08	2.05
Oct 23	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02
Oct 24	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.02	2.04	2.03
Oct 25	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.08	2.07	2.06	2.06	2.06	2.06	2.05	S	2.05	2.05	2.05	2.05	2.07	2.08	2.08	2.10	2.09	2.04	2.10	2.06
Oct 26	2.10	2.08	2.07	2.05	2.05	2.06	2.06	2.05	2.05	2.05	2.04	2.04	2.04	S	2.04	2.05	2.05	2.06	2.07	2.08	2.08	2.08	2.09	2.10	2.04	2.10	2.06
Oct 27	2.11	2.11	2.09	2.10	2.07	2.07	2.07	2.08	2.08	2.09	2.07	2.07	S	2.07	2.06	2.06	2.07	2.08	2.08	2.10	2.14	2.05	2.05	2.04	2.04	2.14	2.08
Oct 28	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	S	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.04	2.04
Oct 29	2.04	2.04	2.06	2.04	2.05	2.04	2.07	2.24	2.19	2.09	S	2.05	2.05	2.06	2.05	2.05	2.05	2.06	2.05	2.07	2.07	2.06	2.06	2.07	2.04	2.24	2.07
Oct 30	2.05	2.05	2.07	2.10	2.10	2.08	2.08	2.06	2.06	S	2.05	2.05	2.05	2.05	2.05	2.06	2.08	2.08	2.06	2.06	2.06	2.06	2.07	2.07	2.05	2.10	2.07
Oct 31	2.07	2.07	2.07	2.07	2.07	2.06	2.05	2.06	S	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.07	2.07	2.08	2.10	2.08	2.05	2.10	2.07
Diurnal Maximum	2.16	2.19	2.21	2.23	2.16	2.29	2.28	2.36	2.37	2.34	2.17	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.14	2.11	2.13	2.19			
Diurnal Average	2.06	2.07	2.06	2.07	2.06	2.07	2.07	2.08	2.08	2.07	2.05	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06			

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

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



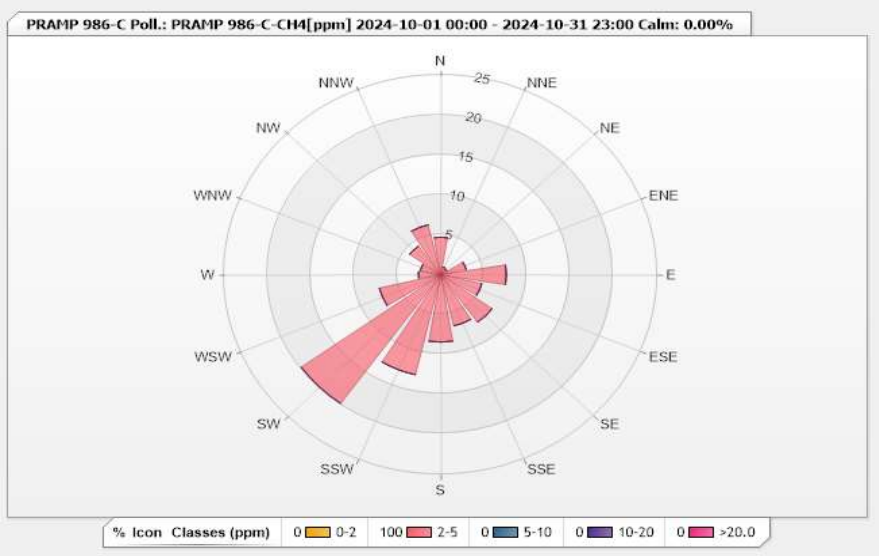


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 94.22% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	4.71	0	0	0	4.71
NNE	0	1	0	0	0	1
NE	0	0.86	0	0	0	0.86
ENE	0	3	0	0	0	3
E	0	7.56	0	0	0	7.56
ESE	0	4.85	0	0	0	4.85
SE	0	7.28	0	0	0	7.28
SSE	0	6.56	0	0	0	6.56
S	0	8.42	0	0	0	8.42
SSW	0	12.84	0	0	0	12.84
SW	0	19.83	0	0	0	19.83
WSW	0	7.28	0	0	0	7.28
W	0	2.57	0	0	0	2.57
WNW	0	2.43	0	0	0	2.43
NW	0	4.42	0	0	0	4.42
NNW	0	6.42	0	0	0	6.42
Summary	0	100	0	0	0	100



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

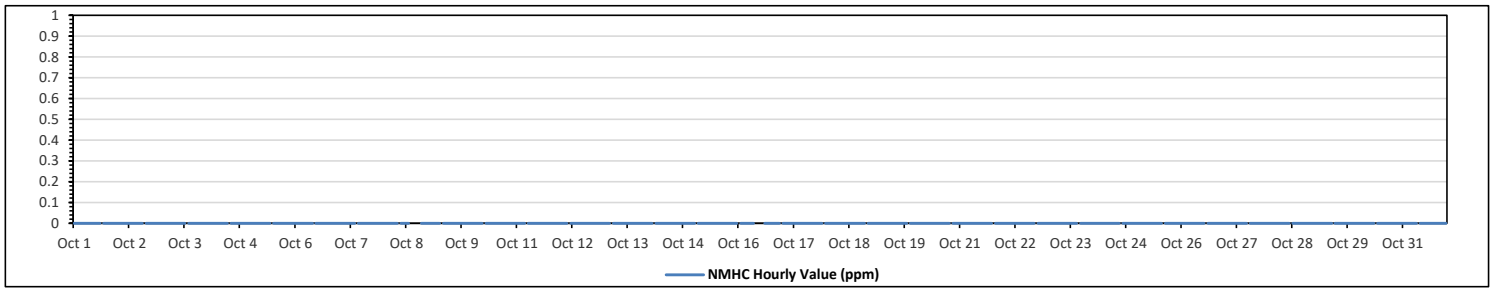
NON-METHANE HYDROCARBONS (NMHC) in ppm

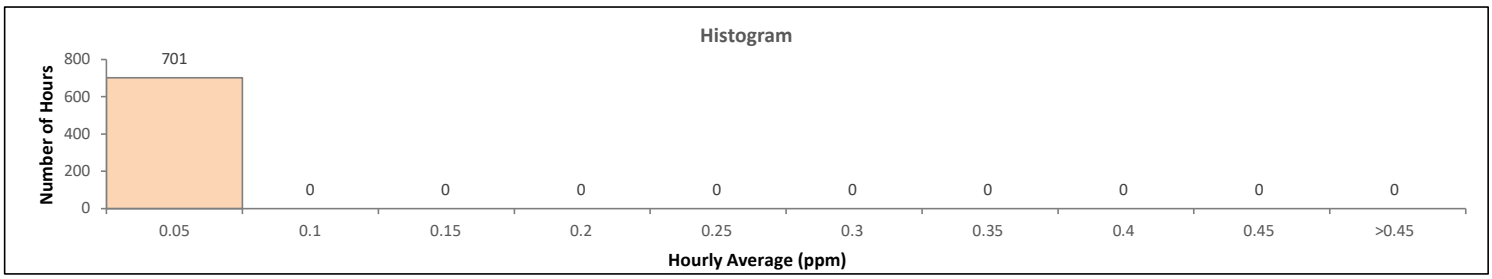
Maximum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Oct 1	Hours of Data:	701
Minimum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours of Missing Data:	6
Minimum Daily Value:	0.00	ppm	on Oct 1	Hours of Calibration:	37
Monthly Average:	0.00	ppm		Operational Uptime:	99.2

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			
Oct 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct 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	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
Oct 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	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
Oct 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	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
Oct 5	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
Oct 6	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
Oct 7	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
Oct 8	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	P	P	P	P	P	X	0.00	0.00	0.00	0.00	0.00	0.00	NA
Oct 9	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
Oct 10	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
Oct 11	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
Oct 12	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
Oct 13	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
Oct 14	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
Oct 15	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
Oct 16	S	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	S	0.00	0.00	NA
Oct 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 21	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 22	0.00	0.00	0.00	0.00	0.00	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
Oct 23	0.00	0.00	0.00	0.00	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
Oct 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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct 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	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
Oct 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	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
Oct 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	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
Oct 28	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
Oct 29	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
Oct 30	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
Oct 31	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
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.



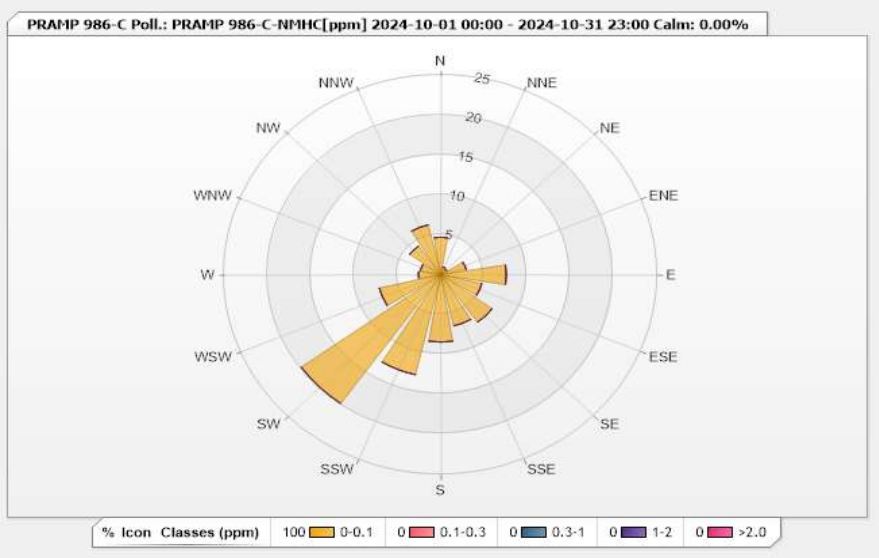


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 94.22% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.71	0	0	0	0	4.71
NNE	1	0	0	0	0	1
NE	0.86	0	0	0	0	0.86
ENE	3	0	0	0	0	3
E	7.56	0	0	0	0	7.56
ESE	4.85	0	0	0	0	4.85
SE	7.28	0	0	0	0	7.28
SSE	6.56	0	0	0	0	6.56
S	8.42	0	0	0	0	8.42
SSW	12.84	0	0	0	0	12.84
SW	19.83	0	0	0	0	19.83
WSW	7.28	0	0	0	0	7.28
W	2.57	0	0	0	0	2.57
WNW	2.43	0	0	0	0	2.43
NW	4.42	0	0	0	0	4.42
NNW	6.42	0	0	0	0	6.42
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

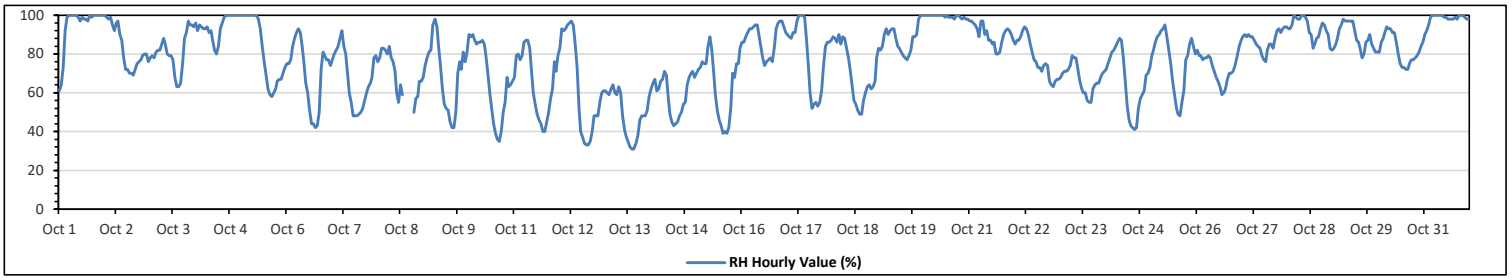
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Oct 1 at hr 5	Hours in Service:	744
Maximum Daily Value:	99.4	%	on Oct 20	Hours of Data:	739
Minimum Hourly Value:	31	%	on Oct 13 at hr 14	Hours of Missing Data:	5
Minimum Daily Value:	48.9	%	on Oct 13	Hours of Calibration:	0
Monthly Average:	77.6	%		Operational Uptime:	99.3

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	61	64	73	92	99	**100**	**100**	**100**	**100**	**100**	99	97	99	98	98	97	**100**	99	**100**	**100**	**100**	**100**	**100**	**100**	61	**100**	94.8
Oct 2	**100**	99	98	99	95	92	96	97	90	87	78	72	72	70	70	69	72	75	76	77	79	80	80	76	69	**100**	83.3
Oct 3	78	79	78	81	82	82	85	88	85	80	79	79	77	68	63	63	65	75	88	91	97	95	95	94	63	97	81.1
Oct 4	96	92	95	94	93	93	94	91	92	87	82	80	84	93	96	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	80	**100**	94.2
Oct 5	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	93	84	76	69	62	59	58	60	62	66	67	67	70	73	58	**100**	81.8
Oct 6	75	75	77	84	88	91	93	91	85	76	65	60	51	44	44	42	43	50	72	81	79	77	77	74	42	93	70.6
Oct 7	77	80	82	84	88	92	84	80	69	60	55	48	48	48	49	50	52	56	60	63	65	68	78	79	48	92	67.3
Oct 8	76	78	83	83	82	80	84	78	76	71	60	55	64	59	**P**	**P**	**P**	**P**	**P**	50	57	58	66	66	50	84	69.8
Oct 9	68	74	78	81	82	95	98	94	84	74	62	54	52	51	45	42	42	50	70	76	72	81	76	81	42	98	70.1
Oct 10	90	89	90	87	85	86	86	87	85	79	70	60	52	44	39	36	35	40	50	55	68	63	64	66	35	90	66.9
Oct 11	68	79	80	77	79	86	87	87	83	70	60	54	49	46	44	40	40	45	50	57	62	76	71	79	40	87	65.4
Oct 12	83	93	92	93	95	96	97	95	85	73	52	40	37	34	33	33	35	40	48	48	48	55	60	61	33	97	63.6
Oct 13	61	60	59	62	64	60	59	63	60	48	41	37	35	32	**31**	**31**	34	38	46	48	48	48	51	58	**31**	64	**48.9**
Oct 14	62	65	67	61	62	66	67	71	69	59	49	45	43	44	45	48	50	54	55	64	68	70	71	68	43	71	59.3
Oct 15	70	72	73	76	75	75	84	89	82	70	59	51	46	43	39	40	39	42	52	70	68	75	75	83	39	89	64.5
Oct 16	86	86	89	91	93	93	94	95	95	89	83	78	74	76	77	78	76	83	93	96	97	97	94	91	74	97	87.7
Oct 17	90	89	88	91	91	97	**100**	**100**	**100**	99	87	73	60	52	54	55	53	55	61	74	84	86	86	87	52	**100**	79.7
Oct 18	89	88	86	90	85	89	88	83	78	71	64	56	54	51	49	49	56	60	63	64	62	63	66	78	49	90	70.1
Oct 19	83	82	84	90	93	90	92	93	93	88	84	83	81	79	78	77	79	82	89	89	90	98	**100**	**100**	77	**100**	87.4
Oct 20	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	**100**	99	99	99	98	**100**	**100**	99	98	99	98	98	98	**100**	**99.4**
Oct 21	97	97	96	95	93	89	97	97	90	92	87	87	85	86	80	80	81	86	90	92	93	92	90	87	80	97	90.0
Oct 22	85	87	87	89	92	94	93	90	85	81	77	76	73	73	71	74	75	74	66	64	63	66	67	67	63	94	77.9
Oct 23	68	70	71	71	72	74	79	78	78	72	66	62	60	60	56	55	55	62	64	65	65	68	70	71	55	79	67.2
Oct 24	72	75	78	81	82	84	86	88	87	78	66	53	46	43	42	41	42	52	57	59	61	69	70	73	41	88	66.0
Oct 25	79	82	86	89	90	92	93	95	89	82	75	66	59	52	49	48	55	61	77	79	85	88	84	80	48	95	76.5
Oct 26	82	79	79	77	78	78	79	78	74	71	68	66	63	59	60	62	67	70	70	71	74	79	84	87	59	87	73.1
Oct 27	89	90	89	90	89	89	87	85	84	83	79	77	76	82	85	85	83	88	92	93	91	93	94	94	76	94	87.0
Oct 28	93	93	95	**100**	99	98	98	**100**	**100**	99	97	91	90	83	85	88	89	93	96	95	92	90	83	82	82	**100**	92.9
Oct 29	83	85	88	93	95	98	97	97	97	97	97	92	87	86	82	78	80	86	87	90	85	83	81	81	78	98	88.5
Oct 30	81	86	88	91	94	93	93	91	91	86	80	75	73	73	72	72	75	77	77	78	79	81	84	86	72	94	82.3
Oct 31	90	92	95	99	**100**	**100**	**100**	**100**	**100**	**100**	99	99	98	98	98	98	99	98	**100**	**100**	**100**	99	98	98	90	**100**	98.3
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	99	100	99	99	99	100	100	100	100	100	100	100	100			
Diurnal Average	81.7	83.2	84.6	86.8	87.6	88.8	90.0	89.7	86.6	81.3	74.6	69.3	66.6	64.4	63.2	62.9	64.3	68.4	73.7	75.9	77.3	79.5	80.1	81.2			

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

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



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

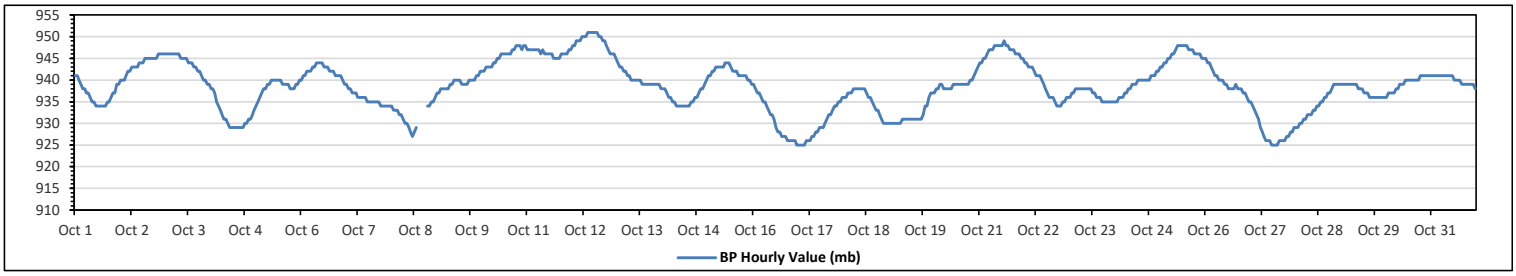
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	951	mb	on Oct 12 at hr 8	Hours in Service:	744
Maximum Daily Value:	949	mb	on Oct 12	Hours of Data:	739
Minimum Hourly Value:	925	mb	on Oct 16 at hr 23	Hours of Missing Data:	5
Minimum Daily Value:	928	mb	on Oct 27	Hours of Calibration:	0
Monthly Average:	939	mb		Operational Uptime:	99.3

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

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

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



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

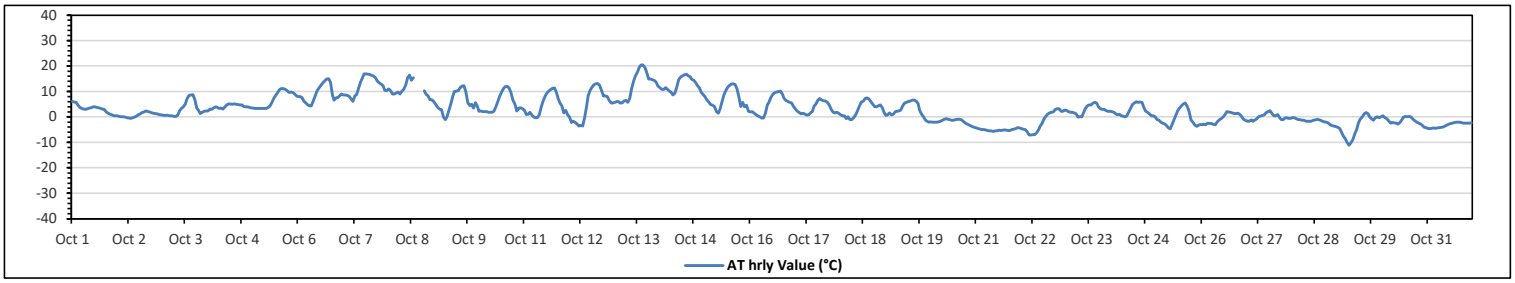
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	20.5	°C	on Oct 13 at hr 14	Hours in Service:	744	
Maximum Daily Value:	12.6	°C	on Oct 14	Hours of Data:	739	
Minimum Hourly Value:	-11.1	°C	on Oct 29 at hr 6	Hours of Missing Data:	5	
Minimum Daily Value:	-5.0	°C	on Oct 21	Hours of Calibration:	0	
Monthly Average:	3.2	°C		Operational Uptime:	99.3	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	6.1	5.9	5.7	4.6	3.8	3.4	3.1	2.9	3.2	3.5	3.7	3.9	3.9	3.8	3.6	3.3	3.1	2.9	2	1.4	1.1	0.8	0.5	0.5	0.5	6.1	3.2
Oct 2	0.4	0.2	0.1	0	-0.1	-0.3	-0.4	-0.5	-0.3	-0.1	0.3	0.8	1.2	1.7	2	2.4	2.2	2	1.7	1.5	1.3	1.2	1	0.9	-0.5	2.4	0.8
Oct 3	0.7	0.6	0.7	0.6	0.5	0.4	0.2	0.2	0.8	2.4	3.3	3.9	5	7.2	8.5	8.7	8.8	6.8	3.5	2.7	1.3	1.9	2.2	2.4	0.2	8.8	3.1
Oct 4	2.4	3.1	2.9	3.7	3.9	3.8	3.4	3.5	3.1	4	4.7	5.2	5.2	5	5.1	5	4.9	4.8	4.7	4.1	4	3.9	3.8	3.7	2.4	5.2	4.1
Oct 5	3.5	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.8	4.4	5.8	7.4	8.5	9.6	10.8	11.1	11.2	10.9	10.4	9.6	9.7	9.6	9	8.3	3.3	11.2	7.0
Oct 6	7.9	7.9	7.6	6.2	5.4	4.8	4.3	4.4	6.3	8.3	10.3	11.4	12.4	13.4	14.2	14.9	15	13.7	8.6	6.6	7.5	7.6	8.2	9.1	4.3	15.0	9.0
Oct 7	8.6	8.7	8.5	8.1	7.1	6.2	8.2	8.9	11.4	13.8	15.5	16.9	17	16.8	16.7	16.3	16	15.3	14.2	13.4	12.9	12.3	10.4	10.5	6.2	17.0	12.2
Oct 8	11	10.3	9.1	9.1	9.4	9.8	9.1	10.2	10.9	12.5	15.5	16.4	14.5	15.5	P	P	P	P	P	10.3	8.9	8.2	6.7	6.7	6.7	16.4	10.7
Oct 9	6	4.9	3.8	3.1	2.8	-0.1	-1.1	0.1	2.6	5.2	8.1	10	10.2	10.3	11.5	12.1	12.2	9.9	5.6	4.5	5	3.5	5.6	4.5	-1.1	12.2	5.8
Oct 10	2.3	2.4	2.1	2.1	2.1	1.8	1.8	1.8	2.4	4.1	6.1	8.3	9.9	11.3	11.9	12	11.4	9.5	6.6	5.1	2.4	3.5	3.7	3.2	1.8	12.0	5.3
Oct 11	2.6	1	1.1	1.9	0.9	-0.1	-0.3	-0.3	0.7	3.8	6.2	8	9.3	10.1	10.7	11.3	11.4	9.6	7	5.5	4.3	1.6	2.6	0.9	-0.3	11.4	4.6
Oct 12	-0.1	-2.2	-1.7	-2.1	-2.7	-3.5	-3.3	-3.5	-0.2	3.9	8.2	10.4	11.7	12.6	13.1	13.2	12.4	10.4	8.3	8.2	8	6.5	5.5	5.5	-3.5	13.2	4.9
Oct 13	5.7	6	6.2	5.4	5.5	6.3	6.5	5.8	7.2	11.2	14	16.1	17.6	19.6	**20.5**	**20.5**	19.6	17.6	14.9	14.9	14.6	14.5	13.8	12.1	5.4	**20.5**	12.3
Oct 14	11.5	10.9	10.8	11.6	10.9	10.1	9.7	8.7	9.3	11.7	14.6	15.7	16.2	16.5	16.8	16.2	15.9	14.8	14.5	13.5	12.3	11.4	9.8	8.9	8.7	16.8	**12.6**
Oct 15	7.9	6.7	5.9	4.9	4.6	4.1	2.1	1.4	3.3	6.3	8.9	10.3	11.7	12.4	12.9	13.1	12.8	11.1	8	4.1	5.8	3.9	4.6	2.3	1.4	13.1	7.0
Oct 16	2	2.1	1.6	1	0.5	0	-0.4	-0.4	1.4	4.8	5.8	7.6	8.9	9.5	9.7	10	10.1	9.1	7.4	6.5	6.1	5.8	5.5	4.1	-0.4	10.1	4.9
Oct 17	3.1	2.3	1.7	1.2	1.5	1.1	0.7	0.9	1.6	2.2	4.2	5.2	6.6	7.2	6.6	6.4	6.3	5.7	4.6	2.8	1.8	1.6	1.9	1.5	0.7	7.2	3.3
Oct 18	0.8	0.5	0.4	-0.6	0	-1	-1	-0.3	0.8	2.5	4.3	5.9	6.3	7.3	7.5	7.1	6.2	5.1	4.1	4	4.4	4.7	3.8	1.7	-1.0	7.5	3.1
Oct 19	0.6	0.9	1.6	0.8	1.1	2.1	2.2	2.4	2.7	4.4	5.4	5.7	6.1	6.3	6.6	6.6	6.3	5.3	2.6	1.1	0.1	-1.2	-1.7	-2	-2.0	6.6	2.8
Oct 20	-1.9	-2	-2	-2	-1.9	-1.7	-1.4	-0.9	-0.7	-0.9	-1.1	-1.4	-1.4	-1	-0.9	-0.9	-1	-1.6	-2.3	-2.7	-3	-3.4	-3.8	-4.1	-4.1	-0.7	-1.8
Oct 21	-4.3	-4.5	-4.7	-4.9	-5	-5.1	-5.3	-5.5	-5.5	-5.6	-5.5	-5.5	-5.2	-5.3	-5.2	-5.1	-5.2	-5.4	-5.3	-5	-4.8	-4.5	-4.2	-4.3	-5.6	-4.2	**-5.0**
Oct 22	-4.6	-4.8	-5	-5.8	-7	-7.1	-6.9	-6.9	-6.3	-5.2	-3.6	-2.4	-0.9	0.2	1.1	1.6	1.8	2	3	3.2	3.2	2.3	2.3	2.7	-7.1	3.2	-1.8
Oct 23	2.6	2.1	1.9	1.8	1.6	1.2	-0.1	0	0	1.6	3.3	4.4	4.8	4.7	5.3	5.8	5.5	3.9	3.2	3	3	2.5	2.2	2.2	-0.1	5.8	2.8
Oct 24	2.1	1.8	1.3	0.9	1.1	0.5	0.3	0.1	0.3	1.8	3.3	4.9	5.5	6	5.8	5.9	5.8	3.6	2.4	1.8	1.2	0.4	0.5	0.1	0.1	6.0	2.4
Oct 25	-1.1	-1.3	-2	-2.5	-2.7	-3.3	-4.2	-4.7	-2.9	-1	0.5	2.4	3.5	4.3	5.2	5.5	4.2	2.3	-1.2	-2.1	-3.2	-3.7	-3.3	-2.9	-4.7	5.5	-0.6
Oct 26	-3	-2.8	-3	-2.4	-2.6	-2.6	-2.9	-3	-1.9	-1.2	-0.7	-0.1	0.9	2.1	2	1.9	1.6	1.3	1.3	1.4	1	0.2	-0.9	-1.4	-3.0	2.1	-0.6
Oct 27	-1.7	-1.6	-1.2	-1.7	-1.2	-0.7	0.1	0.3	0.6	0.9	1.7	2.1	2.5	1.3	0.4	0.4	1	-0.2	-1	-1	-0.4	-0.2	-0.5	-0.5	-1.7	2.5	0.0
Oct 28	-0.3	-0.2	-0.6	-1.1	-1.1	-1.3	-1.4	-1.6	-1.7	-1.7	-1.6	-1.3	-1.2	-0.9	-1.1	-1.3	-1.6	-1.9	-2	-2.4	-3	-3.4	-3.6	-3.8	-3.8	-0.2	-1.7
Oct 29	-4.1	-4.6	-6	-7.4	-8.4	-10.1	**-11.1**	-10.1	-8.9	-6.6	-4.8	-2.5	-0.8	-0.1	1.2	1.7	1.3	0	-0.7	-1.3	-0.3	0.1	-0.2	0.1	**-11.1**	1.7	-3.5
Oct 30	0.4	-0.3	-0.7	-1.5	-2.4	-2.2	-2.3	-2.5	-2.8	-2.3	-1.3	-0.1	0.2	0	0.2	-0.1	-0.9	-1.5	-2.1	-2.5	-2.8	-3.4	-4.1	-4.2	-4.2	0.4	-1.6
Oct 31	-4.6	-4.6	-4.4	-4.3	-4.4	-4.3	-4.2	-4.1	-4	-3.5	-3.2	-2.8	-2.6	-2.4	-2.2	-2.1	-2	-2	-2.3	-2.4	-2.5	-2.5	-2.4	-2.3	-4.6	-2.0	-3.2
Diurnal Maximum	11.5	10.9	10.8	11.6	10.9	10.1	9.7	10.2	11.4	13.8	15.5	16.9	17.6	19.6	20.5	20.5	19.6	17.6	14.9	14.9	14.6	14.5	13.8	12.1			
Diurnal Average	2.0	1.7	1.5	1.1	0.9	0.5	0.3	0.3	1.2	2.7	4.3	5.4	6.0	6.6	6.7	6.8	6.5	5.5	4.1	3.5	3.2	2.8	2.5	2.1			

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

986-C Station - October 2024

Summary of Hourly Averages

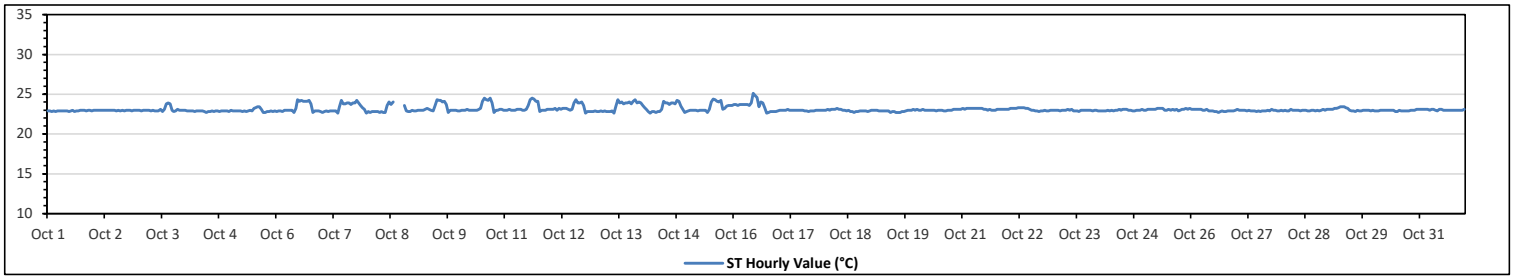
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	25.1	°C	on Oct 16 at hr 10	Hours in Service:	744
Maximum Daily Value:	23.6	°C	on Oct 16	Hours of Data:	739
Minimum Hourly Value:	22.6	°C	on Oct 7 at hr 8	Hours of Missing Data:	5
Minimum Daily Value:	22.9	°C	on Oct 4	Hours of Calibration:	0
Monthly Average:	23.1	°C		Operational Uptime:	99.3

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	22.9	22.9	22.8	22.9	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.9	23.0	22.8	22.9	22.9	23.0	23.0	23.0	22.9	23.0	23.0	22.9	22.8	23.0	22.9
Oct 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.9	23.0	22.9	23.0	22.9	23.0	23.0	23.0	22.9	23.0	23.0	23.0	22.9	23.0	23.0
Oct 3	23.0	22.9	23.0	23.0	23.0	23.0	22.9	23.0	22.9	22.9	22.9	23.1	22.8	23.1	23.8	23.9	23.8	23.0	22.8	22.9	23.1	23.0	23.0	23.0	22.8	23.9	23.1
Oct 4	23.0	22.9	22.9	22.9	22.9	22.8	22.9	22.9	22.9	22.9	22.8	22.7	22.8	22.8	22.9	22.8	22.9	22.9	22.8	22.9	22.9	22.9	22.9	22.8	22.7	23.0	**22.9**
Oct 5	23.0	22.9	22.9	22.9	22.9	22.9	22.8	22.9	22.8	22.9	23.0	22.9	23.2	23.3	23.4	23.4	23.1	22.7	22.7	22.8	22.8	22.9	22.8	22.9	22.7	23.4	23.0
Oct 6	22.8	22.9	22.9	22.8	23.0	23.0	23.0	23.0	23.0	22.7	23.2	24.3	24.1	24.2	24.1	24.1	24.1	24.2	23.8	22.7	22.9	22.9	22.9	22.8	22.7	24.3	23.3
Oct 7	22.7	22.8	22.9	22.8	22.9	22.9	22.9	22.9	**22.6**	23.4	24.2	23.8	23.8	23.9	23.9	23.7	23.9	23.9	24.2	23.9	23.6	23.3	23.1	**22.6**	**22.6**	24.2	23.4
Oct 8	22.8	22.7	22.8	22.8	22.8	22.8	22.7	22.8	22.7	22.7	23.6	24.0	23.7	24.0	P	P	P	P	P	23.6	22.9	22.8	22.8	23.0	22.7	24.0	23.1
Oct 9	22.9	22.9	23.0	23.0	23.0	23.0	23.1	23.2	23.1	23.0	22.9	23.6	24.3	24.2	24.2	24.0	24.1	23.7	22.7	23.0	23.0	23.0	23.0	22.9	22.7	24.3	23.3
Oct 10	22.9	23.0	23.0	23.0	23.1	23.0	23.0	23.0	23.0	23.0	23.1	23.2	24.1	24.5	24.3	24.2	24.5	23.9	22.7	23.0	23.0	23.1	23.1	23.0	22.7	24.5	23.3
Oct 11	23.0	23.0	23.1	23.0	23.0	23.0	23.1	23.1	23.1	23.0	23.0	23.1	23.6	24.3	24.5	24.4	24.1	24.1	22.8	23.0	23.0	23.0	23.1	23.1	22.8	24.5	23.3
Oct 12	23.1	23.1	23.2	23.0	23.2	23.1	23.2	23.2	23.2	23.1	23.0	23.1	23.9	24.3	23.9	23.9	24.0	23.6	**22.6**	22.8	22.8	22.8	22.8	22.9	**22.6**	24.3	23.2
Oct 13	22.8	22.8	22.9	22.8	22.9	22.8	22.8	22.8	22.9	**22.6**	23.5	24.3	23.9	24.0	23.8	23.9	23.9	24.0	23.8	24.1	24.3	23.9	24.0	23.9	**22.6**	24.3	23.5
Oct 14	23.6	23.3	23.1	22.8	**22.6**	22.8	22.8	22.7	22.8	22.8	23.1	24.1	23.9	23.9	23.7	23.9	23.9	23.8	24.2	24.1	23.5	23.1	22.7	22.8	**22.6**	24.2	23.3
Oct 15	22.9	23.0	23.0	23.0	23.0	22.9	23.0	23.0	23.0	23.0	22.7	23.1	24.0	24.4	24.3	24.1	24.0	24.2	23.1	23.2	23.5	23.6	23.6	23.6	22.7	24.4	23.4
Oct 16	23.7	23.7	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.9	**25.1**	24.8	24.6	23.4	24.0	23.9	23.3	**22.6**	22.7	22.8	22.8	22.8	22.8	22.9	**22.6**	**25.1**	**23.6**
Oct 17	23.0	23.0	23.0	23.0	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.9	22.9	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.8	23.1	23.0
Oct 18	23.0	23.1	23.0	23.1	23.1	23.1	23.2	23.1	23.1	23.0	23.0	22.9	23.0	22.8	22.8	22.7	22.8	22.8	22.9	22.9	22.9	22.9	22.8	22.9	22.7	23.2	23.0
Oct 19	23.0	23.0	23.0	23.0	22.9	22.9	22.9	22.9	22.9	22.9	22.7	22.8	22.8	22.7	22.7	22.7	22.8	22.8	22.9	23.0	23.0	23.0	23.1	23.0	22.7	23.1	22.9
Oct 20	23.1	23.0	23.0	23.1	23.0	23.0	23.0	23.0	23.0	23.0	22.9	23.0	23.0	23.0	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	22.9	23.1	23.0
Oct 21	23.2	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.1	23.1	23.0	23.1	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.0	23.2	23.1
Oct 22	23.1	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.2	23.2	23.1	23.0	23.0	22.9	22.9	22.8	22.9	22.9	23.0	22.9	22.9	23.0	23.0	22.8	23.3	23.1
Oct 23	23.0	23.0	23.0	22.9	23.0	23.0	23.0	23.1	23.0	23.1	22.9	22.9	22.9	22.8	23.0	23.0	23.0	23.0	23.0	23.0	22.9	23.0	23.0	22.9	22.8	23.1	23.0
Oct 24	22.9	22.9	22.9	22.9	23.0	22.9	23.0	22.9	23.0	23.0	23.1	23.0	23.1	23.1	23.1	23.0	23.0	22.9	22.9	23.0	23.0	23.0	23.1	23.0	22.9	23.1	23.0
Oct 25	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.0	23.0	23.1	23.0	23.1	23.0	23.1	22.9	23.0	23.1	23.1	23.2	23.1	23.2	22.9	23.2	23.1
Oct 26	23.1	23.1	23.1	23.1	23.1	23.1	23.0	23.0	23.1	22.9	22.9	22.9	22.8	22.8	22.7	22.8	22.9	22.8	22.8	22.9	22.9	22.9	22.9	23.0	22.7	23.1	22.9
Oct 27	23.1	23.0	23.0	23.0	23.0	22.9	23.0	22.9	22.9	22.9	22.8	22.9	22.8	22.9	22.9	22.9	23.0	22.9	23.1	23.0	23.0	22.9	22.9	23.0	22.8	23.1	22.9
Oct 28	22.9	23.0	22.9	22.9	23.1	23.0	23.0	23.0	23.0	22.9	23.0	23.0	23.0	22.9	22.9	23.0	23.0	22.9	23.0	22.9	23.0	23.1	23.0	23.1	22.9	23.1	23.0
Oct 29	23.1	23.1	23.1	23.2	23.2	23.3	23.4	23.4	23.4	23.3	23.2	23.0	22.9	22.9	22.8	23.0	22.9	22.9	23.0	23.0	23.0	23.0	22.9	23.0	22.8	23.4	23.1
Oct 30	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.8	22.8	23.0	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.0	23.1	23.1	22.8	23.1	23.0
Oct 31	23.1	23.1	23.1	23.1	23.1	23.0	23.1	23.1	23.0	22.9	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	22.9	23.1	23.0
Diurnal Maximum	23.7	23.7	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.9	25.1	24.8	24.6	24.5	24.5	24.4	24.5	24.2	24.2	24.1	24.3	23.9	24.0	23.9			
Diurnal Average	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.2	23.3	23.4	23.3	23.3	23.3	23.2	23.0	23.1	23.1	23.0	23.0	23.0			

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

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



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

PRECIPITATION in mm

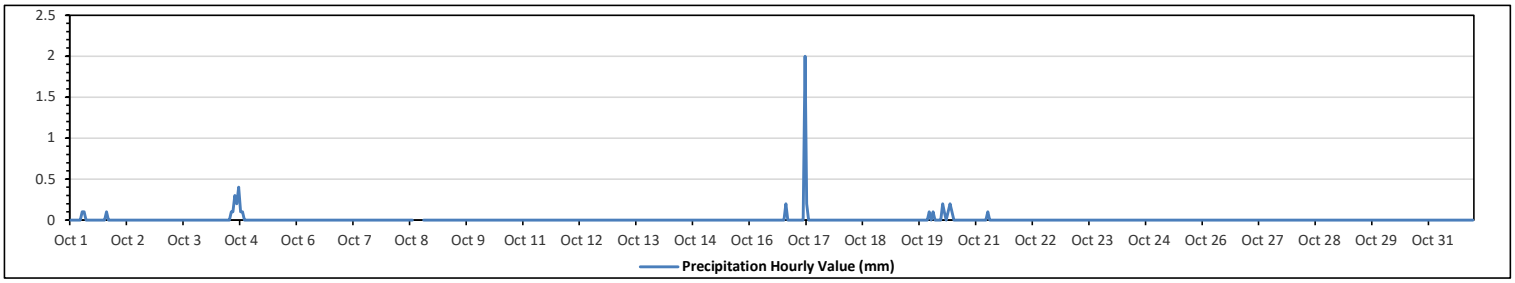
Maximum Hourly Value:	2.0	mm	on Oct 17 at hr 5	Hours in Service:	744	
Maximum Daily Value:	2.2	mm	on Oct 17	Hours of Data:	739	
Minimum Hourly Value:	0.0	mm	on Oct 1 at hr 0	Hours of Missing Data:	5	
Minimum Daily Value:	0.0	mm	on Oct 2	Hours of Calibration:	0	
Monthly Total:	5.0	mm		Operational Uptime:	99.3	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Oct 1	0	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0.0	0.1	0.3
Oct 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
Oct 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.3	0.2	0.4	0.1	0.1	0	0	0	0	0.0	0.4	1.3
Oct 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
Oct 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
Oct 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
Oct 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0.0	0.0	0.0
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0.0	0.2	0.2
Oct 17	0	0	0	0	0	2	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	2.0	2.2
Oct 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
Oct 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.0	0.1	0.1
Oct 20	0	0.1	0	0	0	0	0.2	0.1	0	0.1	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.8
Oct 21	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 31	0	0	0	0	0	0	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	0.0	0.1	0.0	0.0	0.0	2.0	0.2	0.1	0.0	0.1	0.2	0.1	0.0	0.1	0.1	0.3	0.2	0.4	0.1	0.2	0.0	0.0	0.0	0.1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	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 - October 2024

Summary of Hourly Averages

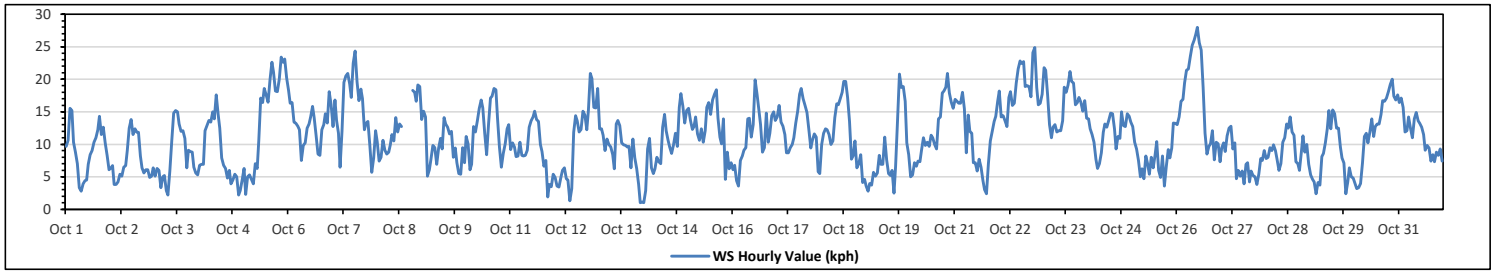
VECTOR WIND SPEED (VWS) in km/hr

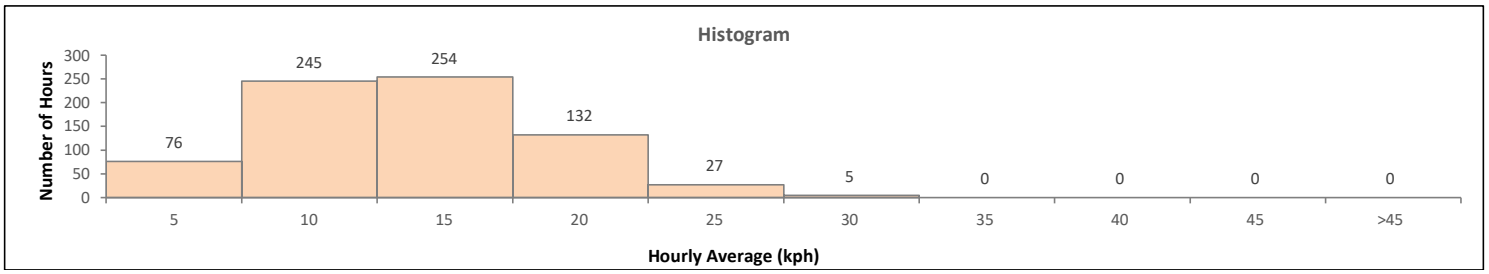
Maximum Hourly Value:	28.0	kph	on Oct 26 at hr 11	Hours in Service:	744
Maximum Daily Value:	18.4	kph	on Oct 22	Hours of Data:	739
Minimum Hourly Value:	1.0	kph	on Oct 13 at hr 22	Hours of Missing Data:	5
Minimum Daily Value:	7.4	kph	on Oct 27	Hours of Calibration:	0
Monthly Average:	4.4	kph		Operational Uptime:	99.3

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Oct 1	9.7	10.6	15.5	15.2	10.3	8.8	7.0	3.3	2.8	3.9	4.4	4.5	6.9	8.4	9.0	10.3	11.0	12.2	14.3	11.5	12.6	10.2	8.3	6.1	2.8	15.5	9.0
Oct 2	6.4	6.7	3.8	3.8	4.2	5.4	5.1	6.5	6.7	9.0	12.5	13.8	11.5	12.4	11.8	11.8	8.2	6.4	5.6	6.1	6.1	4.9	5.1	6.4	3.8	13.8	7.5
Oct 3	5.1	6.3	6.0	3.3	5.0	5.2	2.9	2.2	5.9	10.5	14.8	15.2	15.0	13.1	12.0	12.1	10.9	6.4	9.1	8.9	8.8	6.5	5.6	5.3	2.2	15.2	8.2
Oct 4	6.8	6.9	6.9	12.1	12.9	13.7	13.4	15.0	13.9	17.6	14.6	12.5	7.9	6.8	6.3	4.8	6.0	3.9	4.5	5.4	5.0	2.2	2.9	4.5	2.2	17.6	8.6
Oct 5	6.3	2.3	5.0	5.3	4.6	3.9	7.0	6.3	10.6	17.1	16.4	18.6	17.6	16.5	19.9	22.6	21.1	18.2	18.1	20.0	23.4	22.6	23.1	20.2	2.3	23.4	14.4
Oct 6	18.3	16.3	16.4	13.4	13.2	12.8	12.2	7.5	9.8	10.2	12.5	13.1	14.2	15.8	14.1	11.4	8.5	8.3	12.2	13.0	14.7	13.3	18.1	16.1	7.5	18.3	13.1
Oct 7	12.7	16.8	13.7	11.7	6.5	12.0	19.5	20.5	20.9	19.3	17.2	22.5	24.3	19.6	16.7	18.5	17.0	12.2	13.2	13.5	9.8	5.7	7.9	12.1	5.7	24.3	15.2
Oct 8	10.4	7.4	8.0	10.6	9.1	8.5	8.8	9.9	11.5	10.5	14.1	11.9	13.1	12.7	P	P	P	P	P	18.3	18.0	16.6	19.1	18.9	7.4	19.1	12.5
Oct 9	13.8	15.1	14.2	5.1	6.1	7.7	9.8	9.5	6.9	9.4	10.9	9.3	14.1	13.1	12.6	11.6	12.0	8.0	9.4	7.2	5.5	5.4	9.5	7.2	5.1	15.1	9.7
Oct 10	11.2	10.1	6.1	6.9	12.7	11.9	13.6	15.5	16.8	15.6	11.7	8.4	13.1	17.1	17.4	18.6	18.4	14.0	9.6	6.5	8.6	10.1	12.4	13.0	6.1	18.6	12.5
Oct 11	9.2	10.2	9.6	8.1	8.2	10.3	8.3	8.2	8.3	9.1	12.6	13.6	14.2	15.1	13.8	13.5	10.0	8.9	6.6	7.5	1.9	3.8	3.5	5.4	1.9	15.1	9.2
Oct 12	4.9	3.6	3.4	4.9	6.0	6.4	4.7	4.5	1.3	3.2	11.8	14.4	13.6	11.9	12.3	15.1	14.5	12.2	15.2	20.9	20.1	15.7	15.6	18.6	1.3	20.9	10.6
Oct 13	12.4	12.4	11.4	9.0	10.8	10.0	9.6	8.4	6.2	13.1	13.7	12.9	10.2	9.9	9.8	9.6	9.7	6.4	10.8	7.9	6.2	3.8	**1.0**	1.1	**1.0**	13.7	9.0
Oct 14	**1.0**	2.9	9.3	10.9	6.4	5.5	6.2	8.0	7.3	7.0	12.6	14.6	12.1	10.6	9.6	8.6	9.9	11.7	9.7	15.7	17.8	15.9	13.3	15.2	**1.0**	17.8	10.1
Oct 15	15.5	13.7	12.3	12.7	14.2	11.6	10.6	12.4	10.3	12.1	15.7	16.4	14.6	16.8	17.7	18.4	14.0	11.1	10.1	13.9	4.6	8.8	6.2	7.2	4.6	18.4	12.5
Oct 16	6.1	6.8	4.4	3.6	7.5	8.2	9.1	9.5	13.9	14.0	11.1	13.0	19.9	17.7	15.2	13.0	8.8	9.5	14.8	10.3	11.7	14.4	15.0	13.7	3.6	19.9	11.3
Oct 17	14.2	16.0	13.4	12.8	11.5	8.7	8.7	9.5	10.0	11.0	13.3	15.1	17.7	18.6	17.0	16.0	14.9	12.2	9.4	10.6	11.6	11.1	5.8	5.5	5.5	18.6	12.3
Oct 18	10.0	11.7	12.4	12.2	11.5	10.0	10.5	14.1	16.2	16.1	17.0	18.0	19.7	19.7	17.2	13.5	7.7	8.2	10.5	6.4	7.0	8.4	4.1	4.6	4.1	19.7	11.9
Oct 19	3.6	2.8	4.0	3.7	5.7	5.1	5.6	8.3	6.9	6.9	11.1	7.6	5.5	5.2	6.0	2.5	6.6	13.6	20.8	18.7	18.9	16.6	10.2	8.4	2.5	20.8	8.5
Oct 20	5.0	5.3	7.2	6.6	7.4	7.3	9.1	11.0	9.8	10.3	9.7	11.4	11.0	10.0	9.3	13.9	14.2	17.9	18.2	18.8	20.9	17.9	16.5	15.5	5.0	20.9	11.8
Oct 21	16.9	16.6	16.3	16.3	18.0	15.4	8.7	14.5	12.0	11.7	7.2	7.2	5.9	7.7	6.5	4.4	3.0	2.4	7.0	10.5	12.0	13.5	14.3	16.6	2.4	18.0	11.0
Oct 22	18.2	14.2	14.4	13.6	12.7	17.2	18.1	16.0	16.3	19.4	21.6	22.8	22.4	22.7	18.9	19.0	18.9	17.3	24.1	24.9	18.7	16.1	16.3	17.7	12.7	24.9	**18.4**
Oct 23	21.8	21.4	17.6	13.0	11.0	12.6	13.0	11.9	12.1	12.1	13.6	18.8	18.0	19.1	21.2	19.7	19.4	16.1	16.4	17.2	16.5	15.1	16.7	14.0	11.0	21.8	16.2
Oct 24	13.9	12.4	11.5	10.3	7.7	6.3	7.0	8.7	11.8	13.1	12.6	13.7	14.8	14.7	12.4	9.3	11.2	10.9	15.0	12.9	12.7	14.7	14.3	13.4	6.3	15.0	11.9
Oct 25	12.7	10.3	9.3	7.5	5.0	6.2	4.7	8.2	7.1	5.4	8.0	6.4	8.4	10.4	6.0	4.9	8.2	3.6	6.6	9.2	7.9	9.4	13.3	13.2	3.6	13.3	8.0
Oct 26	13.0	14.2	16.6	16.9	19.4	21.4	21.6	23.5	25.2	26.0	26.9	**28.0**	25.6	24.5	18.8	11.7	8.5	9.7	10.1	12.1	7.6	10.3	10.1	7.3	7.3	**28.0**	17.0
Oct 27	9.4	10.2	8.9	11.3	12.5	12.8	9.3	10.2	4.7	6.0	5.1	5.9	3.9	6.9	7.2	4.2	5.9	5.2	5.0	3.8	5.4	7.8	7.5	9.0	3.8	12.8	**7.4**
Oct 28	7.8	8.0	9.5	9.0	9.9	9.0	7.7	6.0	7.0	10.3	11.0	13.1	12.5	14.2	11.9	11.4	7.3	7.0	6.0	8.8	11.3	8.8	10.0	6.9	6.0	14.2	9.4
Oct 29	5.3	4.6	4.2	2.4	4.1	3.7	8.1	8.6	10.2	12.4	15.2	12.4	15.3	14.7	12.5	12.5	9.6	7.9	7.1	2.4	4.2	6.4	5.0	4.8	2.4	15.3	8.1
Oct 30	3.9	3.2	3.3	4.0	7.1	11.2	11.7	10.2	11.8	13.9	11.2	12.7	13.1	13.1	14.6	16.7	16.6	17.1	18.1	19.2	20.0	17.4	16.8	17.6	3.2	20.0	12.7
Oct 31	16.4	17.1	15.7	11.9	12.1	14.2	12.5	11.0	13.9	14.9	13.6	13.2	12.6	11.5	9.1	9.8	9.4	7.4	8.4	7.3	8.8	8.3	9.3	7.4	7.3	17.1	11.5
Diurnal Maximum	21.8	21.4	17.6	16.9	19.4	21.4	21.6	23.5	25.2	26.0	26.9	28.0	25.6	24.5	21.2	22.6	21.1	18.2	24.1	24.9	23.4	22.6	23.1	20.2			
Diurnal Average	10.4	10.2	10.0	9.3	9.5	9.8	9.8	10.3	10.6	12.0	13.0	13.6	13.8	13.9	12.9	12.3	11.4	10.2	11.5	11.9	11.6	11.0	10.9	10.7			

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.



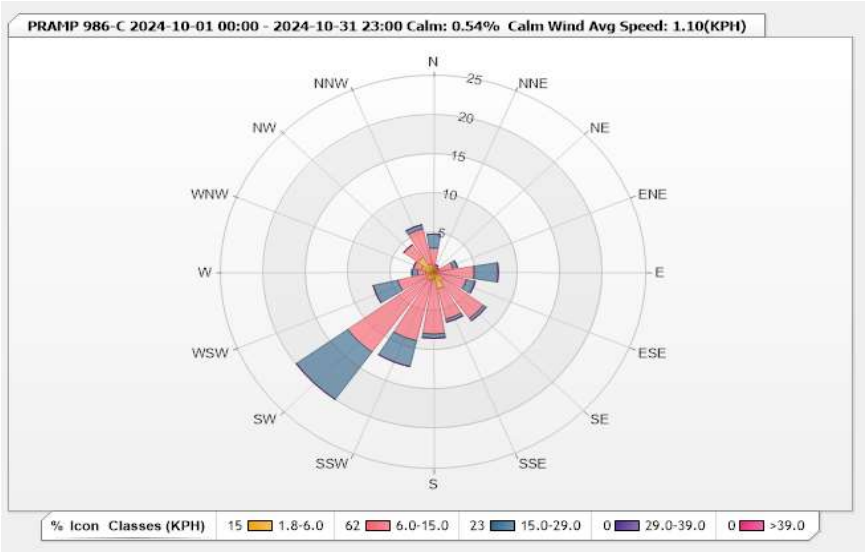


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 10-2024

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

Calm (WS<1.8kph): 0.54% Valid Data: 99.33%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.41	2.71	1.76	0	0	4.88
NNE	0.81	0.14	0	0	0	0.95
NE	0.14	0.54	0	0	0	0.68
ENE	0.27	2.03	0.54	0	0	2.84
E	0.14	4.6	2.84	0	0	7.58
ESE	0.41	3.52	1.08	0	0	5.01
SE	1.35	5.82	0.41	0	0	7.58
SSE	2.17	3.92	0.41	0	0	6.5
S	0.81	7.04	0.54	0	0	8.39
SSW	1.08	7.85	3.38	0	0	12.31
SW	1.08	11.37	7.44	0	0	19.89
WSW	0.41	3.92	2.98	0	0	7.31
W	0.95	0.95	0.68	0	0	2.58
WNW	1.49	0.95	0	0	0	2.44
NW	2.3	2.03	0	0	0	4.33
NNW	1.08	4.6	0.54	0	0	6.22
Summary	14.9	61.99	22.6	0	0	99.49



Peace River Area Monitoring Program

986-C Station - October 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

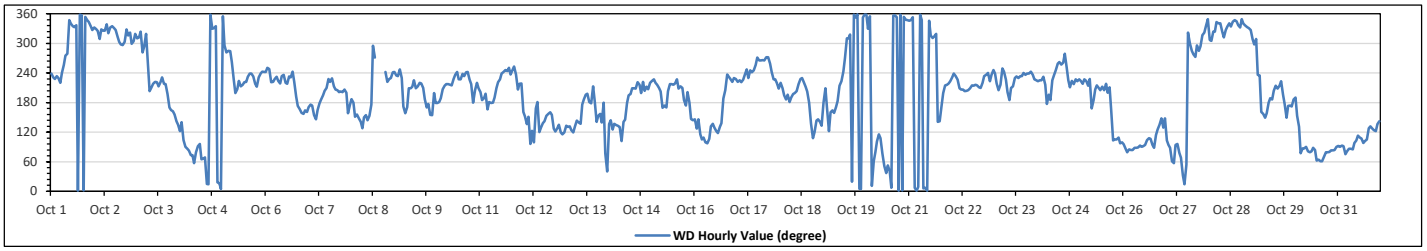
Monthly Average: 201 (SSW) degree

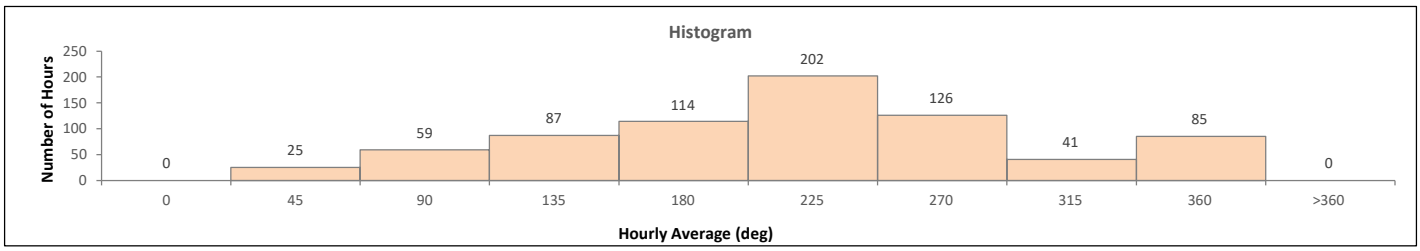
Hours in Service:	744
Hours of Data:	739
Hours of Missing Data:	5
Hours of Calibration:	0
Operational Uptime:	99.3

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
Oct 1	WSW	SW	SW	SW	SW	SW	WSW	WSW	W	W	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNW	NNW	NNW	NW	309	NW
Oct 2	NNW	NNW	NW	NW	NNW	NW	NW	NNW	NW	NNW	NNW	NNW	NW	NW	WNW	WNW	WNW	WNW	NNW	NW	NW	WNW	WNW	NW	319	NW
Oct 3	NW	NW	NW	W	WNW	NW	W	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SSE	SSE	SSE	SSE	SE	SE	216	SW
Oct 4	ESE	SE	ESE	E	E	E	ENE	ENE	ENE	ENE	E	E	ENE	ENE	ENE	NNE	NNE	N	NNW	NNW	NNW	NNE	NNE	N	70	ENE
Oct 5	N	WNW	W	WNW	WNW	W	SW	SSW	SSW	SW	SSW	SW	SW	SW	SW	WSW	WSW	SW	SW	SSW	SW	WSW	WSW	WSW	232	SW
Oct 6	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	S	S	SSE	SSE	SSE	SSE	SSE	213	SSW
Oct 7	S	S	S	SSE	SE	SSE	S	S	SSW	SSW	SSW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	S	196	SSW
Oct 8	S	S	SSE	SSE	SE	SE	SE	SSE	SSE	SE	SSE	S	WNW	W	P	P	P	P	P	WSW	SW	SW	SW	WSW	198	SSW
Oct 9	WSW	SW	SW	WSW	SW	S	SSE	S	SSW	SSW	SSW	SW	SSW	SSW	SW	SW	SSW	S	SSE	S	SSE	SSE	SSW	S	206	SSW
Oct 10	S	S	S	SSW	SSW	SW	SW	SW	SSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	SW	SW	S	SSW	SW	SSW	220	SW
Oct 11	SSW	S	S	SSW	SSE	S	S	S	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	SW	SSW	SW	SW	218	SW
Oct 12	SSE	SSE	SE	SSE	E	ESE	E	SSE	S	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ESE	SE	SE	ESE	ESE	ESE	134	SE
Oct 13	SE	SE	SE	ESE	ESE	SE	SE	SE	SE	S	S	SSW	SSW	S	S	SSW	S	SE	SSE	SSE	SE	S	ENE	NE	158	SSE
Oct 14	SE	SE	SE	SE	SE	SE	SE	E	SE	SE	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	SSW	SSW	SSW	SW	189	S
Oct 15	SW	SW	SW	SW	SSW	SSW	SSE	S	SSE	SSW	SW	SW	SW	SW	SW	SSW	SSW	SSW	S	S	SSW	S	SE	SE	204	SSW
Oct 16	SE	SE	SE	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	ESE	ESE	SE	SE	S	SSW	SW	SW	SW	SW	SW	SW	154	SSE
Oct 17	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	SW	SW	SSW	247	WSW
Oct 18	SW	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SSW	S	SE	ESE	ESE	SE	SE	SE	SE	196	SSW
Oct 19	S	SSW	SSE	ESE	SSE	SSE	SSE	S	S	SSW	SW	WSW	W	NW	NW	NW	NNE	N	N	N	N	N	N	N	338	NNW
Oct 20	N	NNW	N	NNE	ENE	ENE	E	ESE	ESE	ENE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	NNW	NNW	18	NNE
Oct 21	NNW	NNW	N	N	N	N	N	NNW	N	N	N	NNW	NW	NW	NW	NW	SE	SE	S	SSW	SSW	SW	SW	SW	332	NNW
Oct 22	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	SW	WSW	220	SW
Oct 23	WSW	SW	SSW	SW	WSW	WSW	SW	SSW	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	SW	228	SW
Oct 24	SW	SW	SW	SW	SW	S	SSW	S	SW	SW	WSW	WSW	W	WSW	W	W	WSW	SW	SSW	SW	SW	SW	SW	SW	232	SW
Oct 25	SW	SW	SW	SW	SSW	SW	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSE	ESE	ESE	ESE	ESE	E	E	183	S
Oct 26	E	E	ENE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	SE	SE	97	E
Oct 27	ESE	E	E	ENE	ENE	E	E	ENE	ENE	NNE	NNE	NE	NW	WNW	WNW	W	W	WNW	WNW	WNW	NW	NW	NNW	NNW	33	NNE
Oct 28	NW	WNW	NW	NW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	334	NNW
Oct 29	NW	WNW	NW	SW	SW	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	S	SSE	S	S	S	S	195	SSW
Oct 30	S	SSE	SE	ENE	E	E	E	E	ENE	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	80	E
Oct 31	E	E	E	E	ENE	E	E	E	E	E	ESE	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	ESE	ESE	SE	SE	102	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 - October 2024

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 Oct 26 at hr 11	Hours in Service:	744
Maximum Daily Value:	18.4	kph	on Oct 22	Hours of Data:	739
Minimum Hourly Value:	1.0	kph	on Oct 13 at hr 22	Hours of Missing Data:	5
Minimum Daily Value:	7.4	kph	on Oct 27	Hours of Calibration:	0
Monthly Average:	4.4	kph		Operational Uptime:	99.3

WIND DIRECTION

Monthly Average: 201 degree (SSW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	9.7	10.6	15.5	15.2	10.3	8.8	7.0	3.3	2.8	3.9	4.4	4.5	6.9	8.4	9.0	10.3	11.0	12.2	14.3	11.5	12.6	10.2	8.3	6.1	2.8	15.5	9.0
	WSW	SW	SW	SW	SW	SW	WSW	WSW	W	W	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNW	NNW	NNW	NW			309(NW)
Oct 2	6.4	6.7	3.8	3.8	4.2	5.4	5.1	6.5	6.7	9.0	12.5	13.8	11.5	12.4	11.8	11.8	8.2	6.4	5.6	6.1	6.1	4.9	5.1	6.4	3.8	13.8	7.5
	NNW	NNW	NW	NW	NNW	NW	NW	NNW	NW	NNW	NNW	NNW	NW	NW	WNW	WNW	WNW	WNW	NNW	NW	NW	WNW	WNW	NW			319(NW)
Oct 3	5.1	6.3	6.0	3.3	5.0	5.2	2.9	2.2	5.9	10.5	14.8	15.2	15.0	13.1	12.0	12.1	10.9	6.4	9.1	8.9	8.8	6.5	5.6	5.3	2.2	15.2	8.2
	NW	NW	NW	W	WNW	NW	W	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SSE	SSE	SSE	SSE	SE	SE			216(SW)
Oct 4	6.8	6.9	6.9	12.1	12.9	13.7	13.4	15.0	13.9	17.6	14.6	12.5	7.9	6.8	6.3	4.8	6.0	3.9	4.5	5.4	5.0	2.2	2.9	4.5	2.2	17.6	8.6
	ESE	SE	ESE	E	E	E	ENE	ENE	ENE	ENE	E	E	ENE	ENE	ENE	NNE	NNE	N	NNW	NNW	NNW	NNE	NNE	N			70(ENE)
Oct 5	6.3	2.3	5.0	5.3	4.6	3.9	7.0	6.3	10.6	17.1	16.4	18.6	17.6	16.5	19.9	22.6	21.1	18.2	18.1	20.0	23.4	22.6	23.1	20.2	2.3	23.4	14.4
	N	WNW	W	WNW	WNW	W	SW	SSW	SSW	SW	SSW	SW	SW	SW	SW	WSW	WSW	SW	SW	SSW	SW	WSW	WSW	WSW			232(SW)
Oct 6	18.3	16.3	16.4	13.4	13.2	12.8	12.2	7.5	9.8	10.2	12.5	13.1	14.2	15.8	14.1	11.4	8.5	8.3	12.2	13.0	14.7	13.3	18.1	16.1	7.5	18.3	13.1
	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	S	S	SSE	SSE	SSE	SSE	SSE			213(SSW)
Oct 7	12.7	16.8	13.7	11.7	6.5	12.0	19.5	20.5	20.9	19.3	17.2	22.5	24.3	19.6	16.7	18.5	17.0	12.2	13.2	13.5	9.8	5.7	7.9	12.1	5.7	24.3	15.2
	S	S	S	SSE	SE	SSE	S	S	SSW	SSW	SSW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	S			196(SSW)
Oct 8	10.4	7.4	8.0	10.6	9.1	8.5	8.8	9.9	11.5	10.5	14.1	11.9	13.1	12.7	**P**	**P**	**P**	**P**	**P**	18.3	18.0	16.6	19.1	18.9	7.4	19.1	12.5
	S	S	SSE	SSE	SE	SE	SE	SSE	SSE	SE	SSE	S	WNW	W	**P**	**P**	**P**	**P**	**P**	WSW	SW	SW	SW	WSW			198(SSW)
Oct 9	13.8	15.1	14.2	5.1	6.1	7.7	9.8	9.5	6.9	9.4	10.9	9.3	14.1	13.1	12.6	11.6	12.0	8.0	9.4	7.2	5.5	5.4	9.5	7.2	5.1	15.1	9.7
	WSW	SW	SW	WSW	SW	S	SSE	S	SSW	SSW	SSW	SW	SSW	SSW	SW	SW	SSW	S	SSE	S	SSE	SSE	SSW	S			206(SSW)
Oct 10	11.2	10.1	6.1	6.9	12.7	11.9	13.6	15.5	16.8	15.6	11.7	8.4	13.1	17.1	17.4	18.6	18.4	14.0	9.6	6.5	8.6	10.1	12.4	13.0	6.1	18.6	12.5
	S	S	S	SSW	SSW	SW	SW	SW	SSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	SW	SW	S	SSW	SW	SSW			220(SW)
Oct 11	9.2	10.2	9.6	8.1	8.2	10.3	8.3	8.2	8.3	9.1	12.6	13.6	14.2	15.1	13.8	13.5	10.0	8.9	6.6	7.5	1.9	3.8	3.5	5.4	1.9	15.1	9.2
	SSW	S	S	SSW	SSE	S	S	S	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	SW	SSW	SW	SW			218(SW)
Oct 12	4.9	3.6	3.4	4.9	6.0	6.4	4.7	4.5	1.3	3.2	11.8	14.4	13.6	11.9	12.3	15.1	14.5	12.2	15.2	20.9	20.1	15.7	15.6	18.6	1.3	20.9	10.6
	SSE	SSE	SE	SSE	E	ESE	E	SSE	S	ESE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ESE	SE	SE	ESE	ESE	ESE			134(SE)
Oct 13	12.4	12.4	11.4	9.0	10.8	10.0	9.6	8.4	6.2	13.1	13.7	12.9	10.2	9.9	9.8	9.6	9.7	6.4	10.8	7.9	6.2	3.8	**1.0**	1.1	**1.0**	13.7	9.0
	SE	SE	SE	ESE	ESE	SE	SE	SE	SE	S	S	SSW	SSW	S	S	SSW	S	SE	SSE	SSE	SE	S	ENE	NE			158(SSE)
Oct 14	**1.0**	2.9	9.3	10.9	6.4	5.5	6.2	8.0	7.3	7.0	12.6	14.6	12.1	10.6	9.6	8.6	9.9	11.7	9.7	15.7	17.8	15.9	13.3	15.2	**1.0**	17.8	10.1
	SE	SE	SE	SE	SE	SE	SE	E	SE	SE	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	SSW	SSW	SSW	SW			189(S)
Oct 15	15.5	13.7	12.3	12.7	14.2	11.6	10.6	12.4	10.3	12.1	15.7	16.4	14.6	16.8	17.7	18.4	14.0	11.1	10.1	13.9	4.6	8.8	6.2	7.2	4.6	18.4	12.5
	SW	SW	SW	SW	SSW	SSW	SSE	S	SSE	SSW	SW	SW	SW	SW	SW	SSW	SSW	SSW	S	S	SSW	S	SE	SE			204(SSW)
Oct 16	6.1	6.8	4.4	3.6	7.5	8.2	9.1	9.5	13.9	14.0	11.1	13.0	19.9	17.7	15.2	13.0	8.8	9.5	14.8	10.3	11.7	14.4	15.0	13.7	3.6	19.9	11.3
	SE	SE	SE	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	ESE	ESE	SE	SE	S	SSW	SW	SW	SW	SW	SW	SW			154(SSE)
Oct 17	14.2	16.0	13.4	12.8	11.5	8.7	8.7	9.5	10.0	11.0	13.3	15.1	17.7	18.6	17.0	16.0	14.9	12.2	9.4	10.6	11.6	11.1	5.8	5.5	5.5	18.6	12.3
	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	SW	SW	SSW			247(WSW)
Oct 18	10.0	11.7	12.4	12.2	11.5	10.0	10.5	14.1	16.2	16.1	17.0	18.0	19.7	19.7	17.2	13.5	7.7	8.2	10.5	6.4	7.0	8.4	4.1	4.6	4.1	19.7	11.9
	SW	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SSW	S	SE	ESE	ESE	SE	SE	SE	SE			196(SSW)
Oct 19	3.6	2.8	4.0	3.7	5.7	5.1	5.6	8.3	6.9	6.9	11.1	7.6	5.5	5.2	6.0	2.5	6.6	13.6	20.8	18.7	18.9	16.6	10.2	8.4	2.5	20.8	8.5
	S	SSW	SSE	ESE	SSE	SSE	SSE	S	S	SSW	SW	WSW	W	NW	NW	NW	NNE	N	N	N	N	N	N	N			338(NNW)
Oct 20	5.0	5.3	7.2	6.6	7.4	7.3	9.1	11.0	9.8	10.3	9.7	11.4	11.0	10.0	9.3	13.9	14.2	17.9	18.2	18.8	20.9	17.9	16.5	15.5	5.0	20.9	11.8
	N	NNW	N	NNE	ENE	ENE	E	ESE	ESE	ENE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	NNW	NNW			18(NNE)
Oct 21	16.9	16.6	16.3	16.3	18.0	15.4	8.7	14.5	12.0	11.7	7.2	7.2	5.9	7.7	6.5	4.4	3.0	2.4	7.0	10.5	12.0	13.5	14.3	16.6	2.4	18.0	11.0
	NNW	NNW	N	N	N	N	N	NNW	N	N	N	NNW	NW	NW	NW	NW	SE	SE	S	SSW	SSW	SW	SW	SW			332(NNW)
Oct 22	18.2	14.2	14.4	13.6	12.7	17.2	18.1	16.0	16.3	19.4	21.6	22.8	22.4	22.7	18.9	19.0	18.9	17.3	24.1	24.9	18.7	16.1	16.3	17.7	12.7	24.9	**18.4**
	SW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	SW	WSW			220(SW)
Oct 23	21.8	21.4	17.6	13.0	11.0	12.6	13.0	11.9	12.1	12.1	13.6	18.8	18.0	19.1	21.2	19.7	19.4	16.1	16.4	17.2	16.5	15.1	16.7	14.0	11.0	21.8	16.2
	WSW	SW	SSW	SW	WSW	WSW	SW	SSW	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	SW			228(SW)
Oct 24	13.9	12.4	11.5	10.3	7.7	6.3	7.0	8.7	11.8	13.1	12.6	13.7	14.8	14.7	12.4	9.3	11.2	10.9	15.0	12.9	12.7	14.7	14.3	13.4	6.3	15.0	11.9
	SW	SW	SW	SW	SW	S	SSW	S	SW	SW	WSW	WSW	W	WSW	W	W	WSW	SW	SSW	SW	SW	SW	SW	SW			232(SW)
Oct 25	12.7	10.3	9.3	7.5	5.0	6.2	4.7	8.2	7.1	5.4	8.0	6.4	8.4	10.4	6.0	4.9	8.2	3.6	6.6	9.2	7.9	9.4	13.3	13.2	3.6	13.3	8.0
	SW	SW	SW	SW	SSW	SW	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSE	ESE	ESE	ESE	ESE	ESE	E	E			183(S)
Oct 26	13.0	14.2	16.6	16.9	19.4	21.4	21.6	23.5	25.2	26.0	26.9	**28.0**	25.6	24.5	18.8	11.7	8.5	9.7	10.1	12.1	7.6	10.3	10.1	7.3	7.3	**28.0**	17.0
	E	E	ENE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	SE	SE			97(E)
Oct 27	9.4	10.2	8.9	11.3	12.5	12.8	9.3	10.2	4.7	6.0	5.1	5.9	3.9	6.9	7.2	4.2	5.9	5.2	5.0	3.8	5.4	7.8	7.5	9.0	3.8	12.8	**7.4**
	ESE	E	E	ENE	ENE	E	E	ENE	ENE	NNE	NNE	NE	NW	WNW	WNW	W	W	WNW	WNW	WNW	NW	NW	NNW	NNW			33(NNE)
Oct 28	7.8	8.0	9.5	9.0	9.9	9.0	7.7	6.0	7.0	10.3	11.0	13.1	12.5	14.2	11.9	11.4	7.3	7.0	6.0	8.8	11.3	8.8	10.0	6.9	6.0	14.2	9.4
	NW	WNW	NW	NW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW			334(NNW)
Oct 29	5.3	4.6	4.2	2.4	4.1	3.7	8.1	8.6	10.2	12.4	15.2	12.4	15.3	14.7	12.5	12.5	9.6	7.9	7.1	2.4	4.2	6.4	5.0	4.8	2.4	15.3	8.1
	NW	WNW	NW	SW	SW	SSE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	S	SSE	S	S	S	S			195(SSW)
Oct 30	3.9	3.2	3.3	4.0	7.1	11.2	11.7	10.2	11.8	13.9	11.2	12.7	13.1	13.1	14.6	16.7	16.6	17.1	18.1	19.2	20.0	17.4	16.8	17.6	3.2	20.0	12.7
	S	SSE	SE	ENE	E	E	E	E	ENE	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E			80(E)
Oct 31	16.4	17.1	15.7	11.9	12.1	14.2	12.5	11.0	13.9	14.9	13.6	13.2	12.6	11.5	9.1	9.8	9.4	7.4	8.4	7.3	8.8	8.3	9.3	7.4	7.3	17.1	11.5
	E	E	E	E	ENE	E	E	E	E	E	ESE	ESE	ESE	ESE	E	E	ESE	SE	SE	SE	ESE	ESE	SE	SE			102(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 (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 - October 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

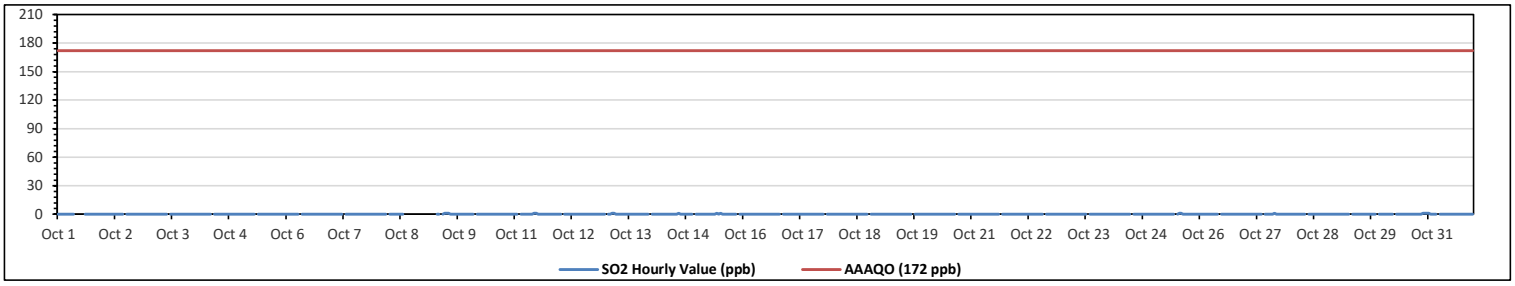
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

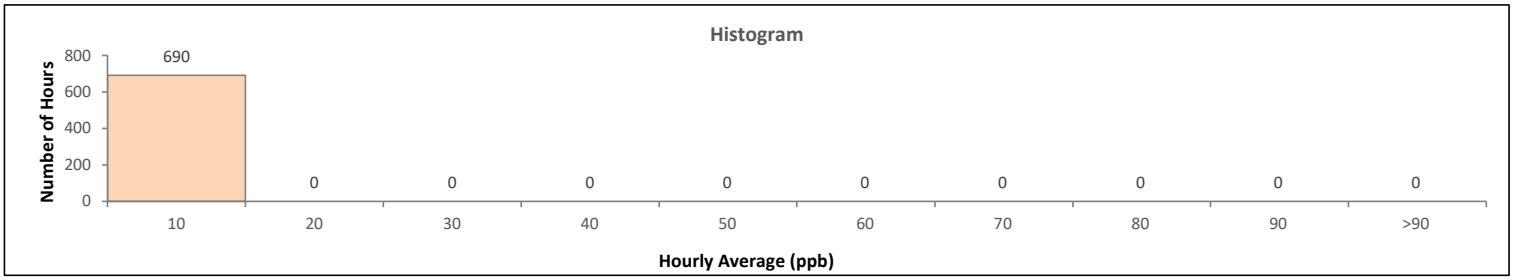
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1 ppb	on Oct 9 at hr 11		Hours in Service:	744	
Maximum Daily Value:	0.1 ppb	on Oct 30		Hours of Data:	690	
Minimum Hourly Value:	0 ppb	on Oct 1 at hr 0		Hours of Missing Data:	18	
Minimum Daily Value:	0.0 ppb	on Oct 1		Hours of Calibration:	36	
Monthly Average:	0.0 ppb			Operational Uptime:	97.6	

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			
Oct 1	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
Oct 2	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
Oct 3	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
Oct 4	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
Oct 5	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
Oct 6	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
Oct 7	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
Oct 8	0	0	0	0	0	S	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	0	0	NA
Oct 9	P	P	P	P	P	P	P	0	0	S	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	NA
Oct 10	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
Oct 11	0	0	S	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 12	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
Oct 13	S	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.1
Oct 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	S	0	0	1	0.0
Oct 15	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	S	0	0	0	1	0.1
Oct 16	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
Oct 17	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
Oct 18	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
Oct 19	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
Oct 20	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
Oct 21	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
Oct 22	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
Oct 23	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
Oct 24	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
Oct 25	0	0	0	0	0	0	0	0	0	0	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 26	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
Oct 27	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.0
Oct 28	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
Oct 29	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	K	0	0	0	0	0.0
Oct 30	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0.1
Oct 31	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
Diurnal Maximum	1	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	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	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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.



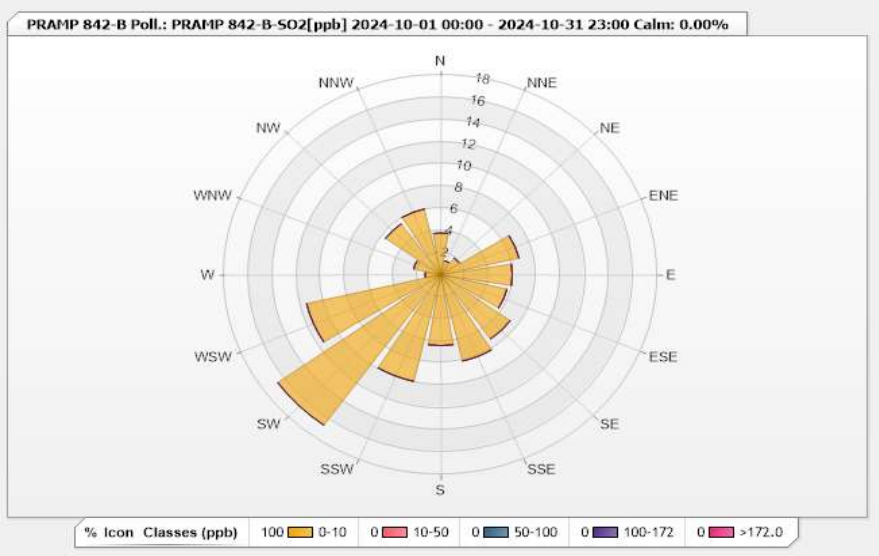


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 92.74% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	3.77	0	0	0	0	3.77
NNE	1.3	0	0	0	0	1.3
NE	1.88	0	0	0	0	1.88
ENE	6.67	0	0	0	0	6.67
E	5.94	0	0	0	0	5.94
ESE	5.65	0	0	0	0	5.65
SE	7.1	0	0	0	0	7.1
SSE	7.97	0	0	0	0	7.97
S	6.38	0	0	0	0	6.38
SSW	9.86	0	0	0	0	9.86
SW	16.67	0	0	0	0	16.67
WSW	11.45	0	0	0	0	11.45
W	1.3	0	0	0	0	1.3
WNW	2.32	0	0	0	0	2.32
NW	5.65	0	0	0	0	5.65
NNW	6.09	0	0	0	0	6.09
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

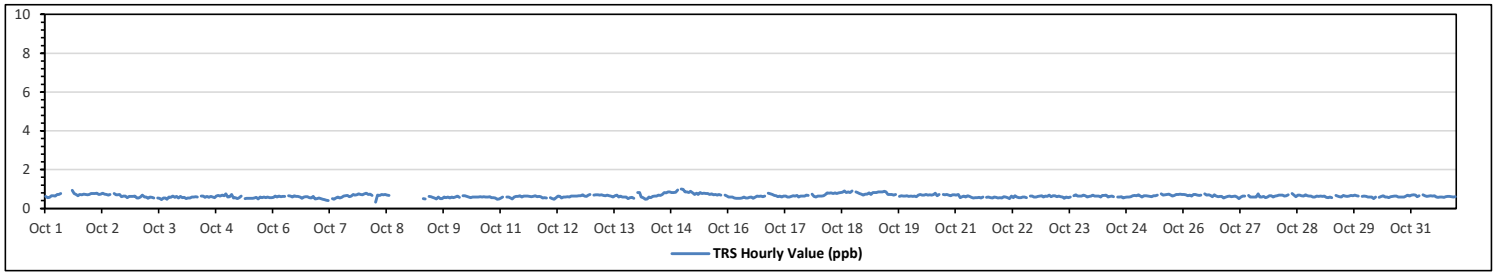
TOTAL REDUCED SULPHUR (TRS) in ppb

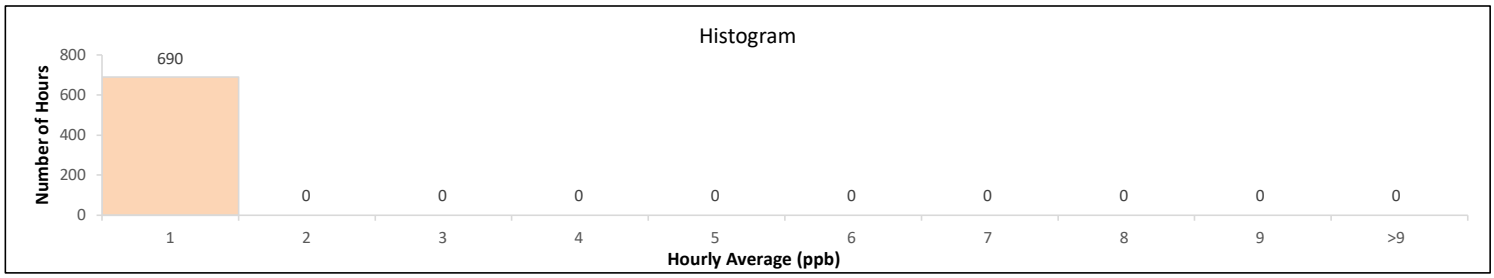
Maximum Hourly Value:	1.00	ppb	on Oct 14 at hr 23	Hours in Service:	744	
Maximum Daily Value:	0.78	ppb	on Oct 18	Hours of Data:	690	
Minimum Hourly Value:	0.33	ppb	on Oct 8 at hr 6	Hours of Missing Data:	18	
Minimum Daily Value:	0.56	ppb	on Oct 5	Hours of Calibration:	36	
Monthly Average:	0.64	ppb		Operational Uptime:	97.6	

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			
Oct 1	0.62	0.56	0.57	0.65	0.66	0.64	0.71	0.71	0.77	C	C	C	C	C	0.93	0.77	0.72	0.65	0.72	0.7	0.74	0.73	0.7	0.73	0.56	0.93	0.70
Oct 2	0.77	0.76	0.77	0.79	0.71	0.74	0.79	0.74	0.71	0.68	0.72	S	0.76	0.7	0.7	0.72	0.61	0.64	0.63	0.55	0.62	0.62	0.62	0.63	0.55	0.79	0.69
Oct 3	0.54	0.53	0.6	0.69	0.58	0.58	0.52	0.59	0.57	0.54	S	0.53	0.52	0.45	0.53	0.53	0.48	0.59	0.57	0.63	0.57	0.62	0.54	0.62	0.45	0.69	0.56
Oct 4	0.56	0.57	0.5	0.54	0.54	0.58	0.6	0.61	0.59	S	0.64	0.63	0.57	0.62	0.57	0.62	0.58	0.55	0.63	0.67	0.63	0.68	0.65	0.75	0.50	0.75	0.60
Oct 5	0.6	0.61	0.73	0.53	0.56	0.51	0.55	0.63	S	0.5	0.52	0.52	0.52	0.52	0.53	0.57	0.49	0.59	0.55	0.58	0.56	0.59	0.55	0.56	0.49	0.73	0.56
Oct 6	0.57	0.63	0.59	0.63	0.61	0.62	0.62	S	0.66	0.64	0.58	0.66	0.62	0.62	0.58	0.52	0.59	0.61	0.61	0.55	0.54	0.62	0.49	0.5	0.49	0.66	0.59
Oct 7	0.53	0.51	0.48	0.45	0.43	0.42	S	0.5	0.48	0.54	0.58	0.53	0.57	0.63	0.65	0.67	0.61	0.64	0.72	0.69	0.7	0.75	0.73	0.7	0.42	0.75	0.59
Oct 8	0.75	0.79	0.73	0.74	0.67	S	0.33	0.69	0.67	0.71	0.7	0.71	0.68	0.67	P	P	P	P	P	P	P	P	P	P	0.33	0.79	NA
Oct 9	P	P	P	P	P	P	P	0.5	0.49	S	0.62	0.61	0.57	0.53	0.49	0.58	0.51	0.5	0.59	0.56	0.58	0.54	0.58	0.55	0.49	0.62	NA
Oct 10	0.6	0.64	0.57	S	0.66	0.65	0.62	0.58	0.55	0.6	0.59	0.6	0.58	0.61	0.59	0.61	0.6	0.59	0.61	0.56	0.55	0.53	0.48	0.49	0.48	0.66	0.59
Oct 11	0.54	0.59	S	0.6	0.6	0.54	0.49	0.58	0.62	0.62	0.66	0.58	0.64	0.63	0.64	0.62	0.61	0.62	0.66	0.61	0.62	0.61	0.54	0.56	0.49	0.66	0.60
Oct 12	0.53	S	0.55	0.5	0.48	0.55	0.64	0.62	0.54	0.6	0.6	0.61	0.6	0.63	0.64	0.63	0.64	0.65	0.66	0.7	0.63	0.62	0.68	0.71	0.48	0.71	0.61
Oct 13	S	0.69	0.7	0.7	0.69	0.7	0.67	0.65	0.68	0.66	0.63	0.58	0.65	0.69	0.58	0.63	0.59	0.6	0.58	0.51	0.55	0.57	0.52	S	0.51	0.70	0.63
Oct 14	0.82	0.82	0.6	0.55	0.48	0.49	0.58	0.56	0.62	0.63	0.63	0.69	0.67	0.73	0.81	0.8	0.85	0.86	0.81	0.82	0.83	0.95	S	1	0.48	**1.00**	0.72
Oct 15	0.98	0.86	0.85	0.82	0.88	0.8	0.73	0.79	0.73	0.81	0.76	0.79	0.78	0.77	0.73	0.75	0.7	0.71	0.68	0.71	0.69	S	0.68	0.63	0.63	0.98	0.77
Oct 16	0.58	0.58	0.59	0.53	0.52	0.52	0.52	0.53	0.59	0.54	0.54	0.57	0.6	0.52	0.58	0.64	0.62	0.63	0.61	0.64	S	0.79	0.75	0.73	0.52	0.79	0.60
Oct 17	0.67	0.65	0.61	0.63	0.59	0.63	0.63	0.59	0.59	0.62	0.65	0.63	0.67	0.6	0.63	0.63	0.63	0.68	0.67	S	0.74	0.62	0.58	0.64	0.58	0.74	0.63
Oct 18	0.64	0.63	0.65	0.73	0.8	0.79	0.8	0.76	0.8	0.78	0.8	0.82	0.84	0.9	0.81	0.85	0.81	0.9	S	0.86	0.81	0.76	0.74	0.69	0.63	0.90	**0.78**
Oct 19	0.74	0.74	0.8	0.72	0.81	0.82	0.81	0.86	0.86	0.86	0.88	0.86	0.71	0.72	0.71	0.68	0.72	S	0.62	0.66	0.64	0.63	0.65	0.62	0.62	0.88	0.74
Oct 20	0.64	0.62	0.63	0.61	0.68	0.71	0.69	0.68	0.73	0.68	0.7	0.69	0.72	0.79	0.66	0.71	S	0.71	0.7	0.72	0.69	0.65	0.7	0.7	0.61	0.79	0.69
Oct 21	0.68	0.72	0.55	0.61	0.63	0.58	0.66	0.62	0.57	0.54	0.55	0.55	0.57	0.53	0.6	S	0.57	0.59	0.56	0.54	0.59	0.57	0.53	0.55	0.53	0.72	0.59
Oct 22	0.54	0.61	0.59	0.56	0.5	0.63	0.55	0.65	0.59	0.55	0.56	0.58	0.59	0.56	S	0.63	0.63	0.59	0.58	0.62	0.63	0.65	0.59	0.63	0.50	0.65	0.59
Oct 23	0.62	0.69	0.61	0.65	0.66	0.61	0.63	0.61	0.6	0.52	0.58	0.56	0.58	S	0.65	0.7	0.63	0.64	0.64	0.69	0.65	0.59	0.62	0.63	0.52	0.70	0.62
Oct 24	0.68	0.63	0.64	0.64	0.6	0.67	0.67	0.68	0.59	0.62	0.64	0.61	S	0.58	0.58	0.61	0.54	0.57	0.59	0.58	0.61	0.66	0.67	0.65	0.54	0.68	0.62
Oct 25	0.7	0.64	0.59	0.66	0.66	0.64	0.62	0.61	0.65	0.65	0.68	S	0.75	0.69	0.7	0.72	0.74	0.68	0.64	0.67	0.71	0.72	0.74	0.71	0.59	0.75	0.68
Oct 26	0.71	0.7	0.66	0.69	0.64	0.71	0.73	0.68	0.67	0.68	S	0.75	0.69	0.7	0.67	0.61	0.7	0.64	0.61	0.62	0.62	0.54	0.6	0.62	0.54	0.75	0.66
Oct 27	0.63	0.61	0.62	0.63	0.59	0.51	0.6	0.63	0.64	S	0.67	0.59	0.58	0.58	0.6	0.75	0.6	0.59	0.62	0.56	0.59	0.66	0.65	0.6	0.51	0.75	0.61
Oct 28	0.64	0.65	0.69	0.69	0.68	0.63	0.66	0.7	S	0.78	0.68	0.61	0.68	0.68	0.65	0.63	0.7	0.66	0.63	0.64	0.58	0.6	0.63	0.62	0.58	0.78	0.66
Oct 29	0.64	0.62	0.64	0.57	0.55	0.58	0.55	S	0.67	0.63	0.61	0.59	0.67	0.63	0.62	0.64	0.67	0.66	0.68	0.66	0.63	K	0.62	0.63	0.55	0.68	0.63
Oct 30	0.62	0.6	0.59	0.58	0.51	0.58	S	0.57	0.62	0.65	0.58	0.6	0.55	0.61	0.62	0.64	0.63	0.6	0.59	0.59	0.6	0.64	0.69	0.64	0.51	0.69	0.60
Oct 31	0.68	0.7	0.69	0.61	0.65	S	0.7	0.66	0.62	0.63	0.65	0.63	0.65	0.59	0.57	0.58	0.59	0.57	0.61	0.62	0.62	0.61	0.59	0.61	0.57	0.70	0.63
Diurnal Maximum	0.98	0.86	0.85	0.82	0.88	0.82	0.81	0.86	0.86	0.86	0.88	0.86	0.84	0.90	0.93	0.85	0.85	0.90	0.81	0.86	0.83	0.95	0.75	1.00			
Diurnal Average	0.65	0.65	0.63	0.63	0.62	0.62	0.63	0.64	0.64	0.64	0.64	0.63	0.64	0.64	0.64	0.66	0.63	0.64	0.63	0.64	0.64	0.65	0.62	0.64			

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 - October 2024

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

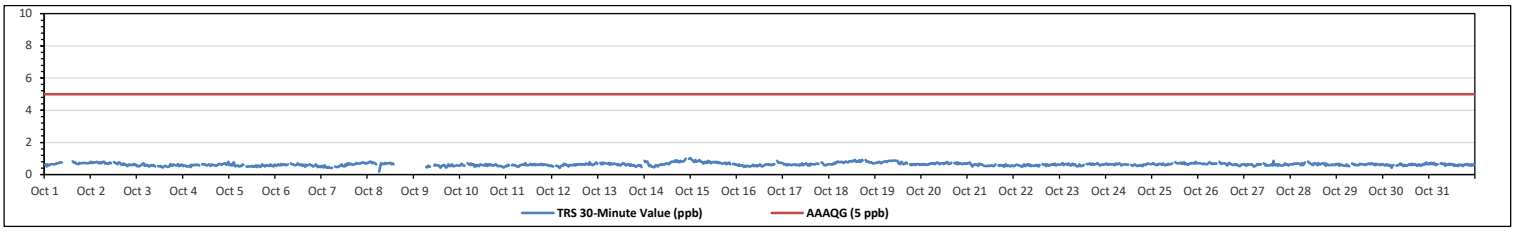
Maximum 30-Minute Value:	1.03	ppb	on Oct 14 at 23:30	# of Instrument in Service	1488
Maximum Daily Value:	0.78	ppb	on Oct 18	# of Valid Measurements	1381
Minimum 30-Minute Value:	0.18	ppb	Oct 8 at 06:00	# of Missing Measurements:	34
Minimum Daily Value:	0.54	ppb	on Oct 9	# of Calibration:	73
Monthly Average:	0.64	ppb		Operational Uptime:	97.7

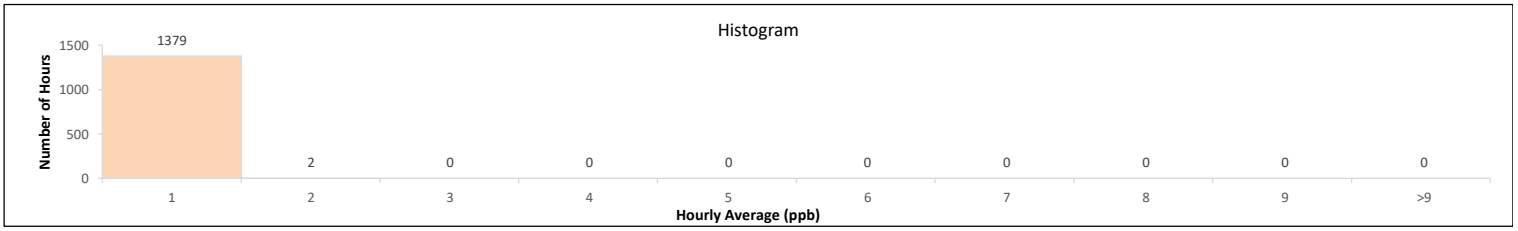
30-Minute Period Starting at (MST)	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Diurnal Maximum	Diurnal Average
00:00	0.61	0.8	0.52	0.52	0.61	0.6	0.54	0.73	P	0.56	0.54	0.55	S	0.87	1.03	0.6	0.71	0.64	0.73	0.6	0.68	0.54	0.62	0.7	0.66	0.69	0.66	0.63	0.66	0.63	0.72	1.03	0.65
00:30	0.64	0.74	0.56	0.59	0.58	0.55	0.53	0.78	P	0.64	0.53	0.51	S	0.78	0.93	0.56	0.62	0.63	0.74	0.67	0.69	0.54	0.62	0.66	0.73	0.72	0.61	0.65	0.62	0.61	0.64	0.93	0.64
01:00	0.5	0.73	0.51	0.57	0.65	0.61	0.45	0.75	P	0.68	0.62	S	0.74	0.81	0.89	0.63	0.66	0.63	0.73	0.63	0.75	0.6	0.66	0.6	0.67	0.7	0.55	0.62	0.68	0.56	0.74	0.89	0.65
01:30	0.63	0.79	0.55	0.57	0.56	0.65	0.58	0.83	P	0.59	0.57	S	0.64	0.82	0.83	0.54	0.63	0.62	0.76	0.61	0.7	0.62	0.73	0.67	0.62	0.71	0.66	0.68	0.55	0.64	0.67	0.83	0.66
02:00	0.56	0.76	0.57	0.48	0.71	0.58	0.47	0.77	P	0.57	S	0.55	0.65	0.67	0.78	0.58	0.57	0.68	0.81	0.64	0.59	0.6	0.59	0.67	0.61	0.67	0.61	0.66	0.65	0.62	0.64	0.81	0.63
02:30	0.59	0.77	0.62	0.52	0.76	0.59	0.49	0.69	P	0.57	S	0.54	0.75	0.53	0.92	0.59	0.65	0.63	0.79	0.61	0.51	0.59	0.64	0.62	0.58	0.65	0.62	0.71	0.62	0.57	0.74	0.92	0.64
03:00	0.65	0.8	0.68	0.53	0.53	0.66	0.43	0.75	P	S	0.58	0.55	0.69	0.6	0.81	0.58	0.63	0.76	0.7	0.62	0.58	0.59	0.66	0.64	0.67	0.71	0.62	0.67	0.57	0.62	0.64	0.81	0.64
03:30	0.65	0.79	0.7	0.56	0.53	0.59	0.48	0.73	P	S	0.62	0.44	0.71	0.51	0.82	0.49	0.62	0.71	0.74	0.6	0.63	0.53	0.64	0.63	0.64	0.67	0.65	0.71	0.56	0.54	0.59	0.82	0.62
04:00	0.67	0.72	0.54	0.47	0.57	0.63	0.45	0.7	P	0.7	0.58	0.43	0.71	0.51	0.85	0.48	0.58	0.77	0.81	0.67	0.65	0.52	0.61	0.6	0.68	0.63	0.63	0.71	0.55	0.59	0.66	0.85	0.62
04:30	0.65	0.7	0.62	0.62	0.56	0.6	0.42	0.64	P	0.63	0.61	0.54	0.68	0.46	0.91	0.56	0.6	0.82	0.81	0.7	0.61	0.48	0.7	0.59	0.64	0.64	0.55	0.66	0.55	0.42	0.64	0.91	0.62
05:00	0.65	0.79	0.56	0.58	0.5	0.64	0.43	S	P	0.61	0.57	0.56	0.68	0.46	0.8	0.51	0.61	0.79	0.82	0.68	0.62	0.61	0.65	0.69	0.6	0.68	0.51	0.67	0.63	0.56	S	0.82	0.62
05:30	0.64	0.7	0.6	0.58	0.53	0.59	0.41	S	P	0.69	0.51	0.55	0.72	0.51	0.81	0.54	0.65	0.79	0.82	0.73	0.54	0.64	0.56	0.65	0.69	0.75	0.52	0.58	0.53	0.6	S	0.82	0.62
06:00	0.71	0.78	0.53	0.62	0.57	0.61	S	0.18	P	0.6	0.5	0.68	0.61	0.6	0.79	0.54	0.62	0.79	0.79	0.68	0.68	0.53	0.59	0.65	0.65	0.75	0.56	0.72	0.56	S	0.68	0.79	0.63
06:30	0.71	0.8	0.51	0.58	0.53	0.64	S	0.48	0.48	0.64	0.48	0.6	0.73	0.55	0.68	0.5	0.64	0.81	0.84	0.69	0.63	0.56	0.68	0.69	0.59	0.71	0.63	0.59	0.53	S	0.72	0.84	0.63
07:00	0.69	0.8	0.59	0.62	0.65	S	0.5	0.73	0.44	0.65	0.59	0.66	0.65	0.51	0.76	0.51	0.58	0.79	0.85	0.64	0.62	0.62	0.59	0.69	0.58	0.67	0.66	0.66	S	0.57	0.67	0.85	0.64
07:30	0.74	0.68	0.59	0.61	0.61	S	0.49	0.65	0.57	0.51	0.58	0.58	0.65	0.61	0.81	0.54	0.61	0.73	0.86	0.72	0.63	0.67	0.64	0.66	0.64	0.69	0.61	0.75	S	0.57	0.65	0.86	0.64
08:00	0.78	0.7	0.54	0.62	S	0.69	0.49	0.66	0.48	0.61	0.62	0.57	0.71	0.6	0.74	0.55	0.62	0.77	0.86	0.75	0.59	0.55	0.65	0.57	0.61	0.66	0.63	S	0.71	0.61	0.69	0.86	0.64
08:30	0.76	0.71	0.61	0.57	S	0.63	0.46	0.67	0.5	0.5	0.62	0.5	0.66	0.64	0.73	0.62	0.57	0.82	0.85	0.72	0.55	0.62	0.55	0.61	0.68	0.68	0.64	S	0.63	0.62	0.55	0.85	0.63
09:00	0.76	0.66	0.57	S	0.51	0.64	0.51	0.74	S	0.6	0.65	0.61	0.66	0.61	0.86	0.53	0.64	0.8	0.85	0.73	0.55	0.53	0.5	0.63	0.64	0.69	S	0.82	0.67	0.69	0.63	0.86	0.65
09:30	C	0.7	0.51	S	0.49	0.64	0.56	0.67	S	0.59	0.6	0.58	0.66	0.65	0.76	0.55	0.59	0.76	0.88	0.64	0.53	0.57	0.53	0.62	0.65	0.68	S	0.74	0.58	0.61	0.63	0.88	0.63
10:00	C	0.75	S	0.67	0.52	0.58	0.54	0.69	S	0.53	0.73	0.59	0.59	0.62	0.82	0.59	0.71	0.77	0.89	0.71	0.54	0.57	0.64	0.63	0.66	S	0.69	0.69	0.62	0.63	0.61	0.89	0.65
10:30	C	0.69	S	0.62	0.51	0.58	0.63	0.71	0.56	0.64	0.58	0.6	0.67	0.64	0.71	0.5	0.58	0.84	0.87	0.7	0.57	0.55	0.52	0.65	0.7	S	0.66	0.67	0.59	0.52	0.68	0.87	0.63
11:00	C	S	0.53	0.63	0.52	0.61	0.53	0.69	0.63	0.6	0.59	0.58	0.59	0.69	0.78	0.58	0.63	0.82	0.85	0.71	0.53	0.55	0.57	0.6	S	0.81	0.56	0.63	0.58	0.59	0.65	0.85	0.63
11:30	C	S	0.53	0.63	0.51	0.7	0.54	0.74	0.59	0.6	0.58	0.64	0.57	0.7	0.79	0.56	0.64	0.82	0.86	0.66	0.57	0.6	0.55	0.62	S	0.7	0.62	0.59	0.61	0.61	0.6	0.86	0.63
12:00	C	0.78	0.5	0.58	0.54	0.66	0.51	0.71	0.56	0.59	0.61	0.56	0.62	0.71	0.77	0.63	0.69	0.85	0.69	0.72	0.55	0.57	0.55	S	0.78	0.66	0.57	0.7	0.68	0.54	0.67	0.85	0.64
12:30	C	0.74	0.55	0.56	0.51	0.58	0.63	0.64	0.58	0.57	0.67	0.63	0.69	0.64	0.8	0.57	0.66	0.82	0.73	0.71	0.59	0.6	0.61	S	0.73	0.71	0.59	0.66	0.65	0.56	0.63	0.82	0.64
13:00	C	0.7	0.47	0.61	0.49	0.6	0.57	0.71	0.58	0.65	0.66	0.61	0.66	0.68	0.74	0.51	0.56	0.88	0.63	0.79	0.55	0.5	S	0.61	0.7	0.71	0.57	0.69	0.64	0.58	0.55	0.88	0.63
13:30	C	0.69	0.44	0.63	0.55	0.63	0.69	0.64	0.49	0.57	0.59	0.65	0.71	0.78	0.8	0.53	0.65	0.91	0.81	0.79	0.52	0.61	S	0.56	0.69	0.69	0.59	0.67	0.63	0.63	0.62	0.91	0.65
14:00	C	0.65	0.51	0.59	0.59	0.54	0.61	P	0.42	0.63	0.62	0.62	0.61	0.78	0.75	0.59	0.57	0.81	0.76	0.67	0.56	S	0.67	0.55	0.71	0.71	0.65	0.58	0.62	0.67	0.56	0.81	0.63
14:30	0.83	0.75	0.54	0.55	0.47	0.62	0.69	P	0.55	0.55	0.67	0.66	0.56	0.83	0.71	0.58	0.68	0.8	0.67	0.66	0.64	S	0.63	0.61	0.7	0.63	0.56	0.72	0.63	0.58	0.59	0.83	0.64
15:00	0.81	0.76	0.55	0.64	0.57	0.56	0.67	P	0.55	0.63	0.59	0.64	0.64	0.79	0.76	0.63	0.63	0.8	0.65	0.68	S	0.66	0.68	0.63	0.76	0.57	0.86	0.62	0.6	0.68	0.52	0.86	0.66
15:30	0.72	0.68	0.51	0.6	0.57	0.49	0.67	P	0.61	0.59	0.65	0.61	0.63	0.81	0.74	0.65	0.63	0.9	0.7	0.74	S	0.6	0.71	0.59	0.67	0.64	0.64	0.64	0.67	0.6	0.64	0.90	0.65
16:00	0.75	0.61	0.48	0.58	0.49	0.62	0.6	P	0.58	0.64	0.61	0.65	0.65	0.9	0.71	0.64	0.64	0.79	0.76	S	0.59	0.6	0.61	0.54	0.7	0.74	0.58	0.71	0.63	0.6	0.58	0.90	0.64
16:30	0.7	0.61	0.49	0.58	0.49	0.57	0.62	P	0.45	0.56	0.6	0.63	0.54	0.79	0.68	0.6	0.62	0.83	0.68	S	0.55	0.65	0.65	0.54	0.78	0.66	0.62	0.69	0.71	0.67	0.6	0.83	0.63
17:00	0.66	0.69	0.53	0.54	0.63	0.6	0.63	P	0.45	0.57	0.63	0.61	0.63	0.89	0.69	0.65	0.67	0.92	S	0.73	0.6	0.53	0.69	0.58	0.65	0.66	0.63	0.71	0.67	0.63	0.62	0.92	0.64
17:30	0.64	0.6	0.66	0.56	0.56	0.62	0.65	P	0.55	0.6	0.61	0.69	0.57	0.83	0.73	0.61	0.68	0.88	S	0.69	0.58	0.65	0.6	0.57	0.71	0.62	0.55	0.62	0.65	0.57	0.53	0.88	0.63
18:00	0.72	0.64	0.59	0.59	0.59	0.63	0.73	P	0.64	0.58	0.66	0.66	0.56	0.75	0.74	0.59	0.69	S	0.64	0.76	0.55	0.61	0.65	0.61	0.67	0.61	0.63	0.71	0.72	0.55	0.59	0.76	0.64
18:30	0.72	0.61	0.55	0.66	0.51	0.59	0.71	P	0.54	0.63	0.67	0.67	0.6	0.87	0.63	0.63	0.66	S	0.59	0.65	0.58	0.54	0.63	0.57	0.61	0.61	0.6	0.55	0.63	0.63	0.64	0.87	0.62
19:00	0.69	0.52	0.65	0.67	0.56	0.59	0.68	P	0.53	0.6	0.58	0.61	0.54	0.84	0.73	0.61	S	0.91	0.67	0.75	0.49	0.61	0.67	0.53	0.63	0.66	0.56	0.67	0.65	0.63	0.6	0.91	0.64
19:30	0.71	0.58	0.61	0.67	0.6	0.5	0.7	P	0.59	0.52	0.64	0.79	0.49	0.81	0.69	0.67	S	0.81	0.64	0.69	0.6	0.62	0.72	0.63	0.7	0.58	0.57	0.62	0.68	0.54	0.63	0.81	0.64
20:00	0.74	0.65	0.58	0.61	0.58	0.52	0.68	P	0.64	0.54	0.65	0.65	0.53	0.83	0.76	S	0.75	0.8	0.61	0.67	0.64	0.6	0.67	0.6	0.68	0.64	0.57	0.59	0.58	0.56	0.66	0.83	0.64
20:30	0.73	0.59	0.56	0.65	0.55	0.56	0.71	P	0.52	0.55	0.6	0.62	0.57	0.83	0.63	S	0.74	0.82	0.67	0.7	0.53	0.66	0.62	0.62	0.73	0.61	0.62	0.58	0.68	0.64	0.58	0.83	0.64
21:00	0.73	0.61	0.58	0.67	0.54	0.65	0.75	P	0.53	0.52	0.6	0.59	0.6	0.9	S	0.85	0.67	0.74	0.59	0.67	0.58	0.62	0.56	0.61	0.73	0.55	0.71	0.62	0.6	0.6	0.59	0.90	0.64
21:30	0.73	0.62	0.66	0.69	0.63	0.58	0.75	P	0.55	0.53	0.62	0.65	0.54	1	S	0.74	0.58	0.78	0.66	0.63	0.56	0.68	0.62	0.71	0.7	0.52	0.61	0.58	K	0.68	0.63	1.00	0.65
22:00	0.71	0.58	0.53	0.69	0.55	0.47	0.73	P	0.57	0.52	0.54	0.63	0.58	S	0.67	0.74	0.59	0.77	0.67	0.7	0.51	0.56	0.61	0.68	0.68	0.56	0.65	0.65	0.66	0.63	0.54	0.77	0.62
22:30	0.7	0.67	0.55	0.61	0.56	0.5	0.74	P	0.59	0.45	0.55	0.72	0.47	S	0.68	0.77	0.58	0.7	0.63	0.7	0.55	0.61	0.63	0.66	0.8	0.63	0.65	0.61	0.59	0.75	0.64	0.80	0.63
23:00	0.73	0.65	0.62	0.7	0.5	0.53	0.68	P	0.56	0.47	0.59	0.76	S	0.98	0.62	0.72	0.63	0.69	0.61	0.67	0.59	0.65	0.62	0.66	0.7	0.62	0.57	0.58	0.6	0.64	0.59	0.98	0.64
23:30	0.73	0.61	0.62	0.81	0.62	0.46	0.71	P	0.55	0.51	0.53	0.66	S	1.03	0.64	0.73	0.64	0.7	0.64	0.73	0.52	0.62	0.64	0.64	0.73	0.63	0.62	0.66	0.66	0.64	0.64	1.03	0.65
Minimum	0.5	0.52	0.44	0.47	0.47	0.46	0.41	0.18	0.42	0.45	0.48	0.43	0.47	0.46	0.62	0.48	0.56	0.62	0.59	0.6	0.49	0.48	0.5	0.53	0.58	0.52	0.51	0.55	0.53	0.42	0.52		
Maximum	0.83	0.8	0.7	0.81	0.76	0.7	0.75	0.83	0.64	0.7	0.73	0.79	0.75	1.03	1.03	0.85	0.75	0.92	0.89	0.79	0.75	0.68	0.73	0.71	0.8	0.81	0.86	0.82	0.72	0.75	0.74		
Average	0.69	0.69	0.56	0.6	0.56	0.59	0.59	0.68	0.54	0.58	0.6	0.61	0.63	0.72	0.77	0.6	0.63	0.78	0.74	0.69	0.59	0.59	0.62	0.62	0.68	0.66	0.61	0.66	0.62	0.6	0.63		

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



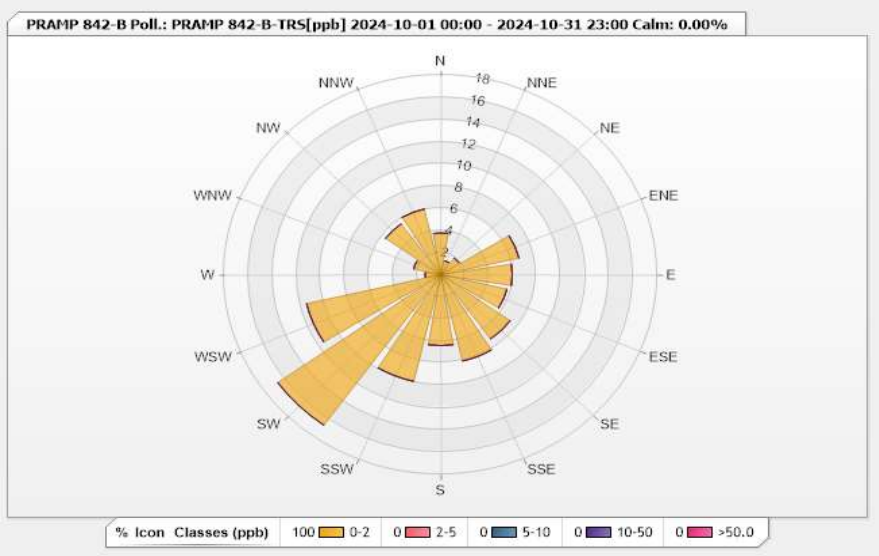


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 92.74% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	3.77	0	0	0	0	3.77
NNE	1.3	0	0	0	0	1.3
NE	1.88	0	0	0	0	1.88
ENE	6.67	0	0	0	0	6.67
E	5.94	0	0	0	0	5.94
ESE	5.65	0	0	0	0	5.65
SE	7.1	0	0	0	0	7.1
SSE	7.97	0	0	0	0	7.97
S	6.38	0	0	0	0	6.38
SSW	9.86	0	0	0	0	9.86
SW	16.67	0	0	0	0	16.67
WSW	11.45	0	0	0	0	11.45
W	1.3	0	0	0	0	1.3
WNW	2.32	0	0	0	0	2.32
NW	5.65	0	0	0	0	5.65
NNW	6.09	0	0	0	0	6.09
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

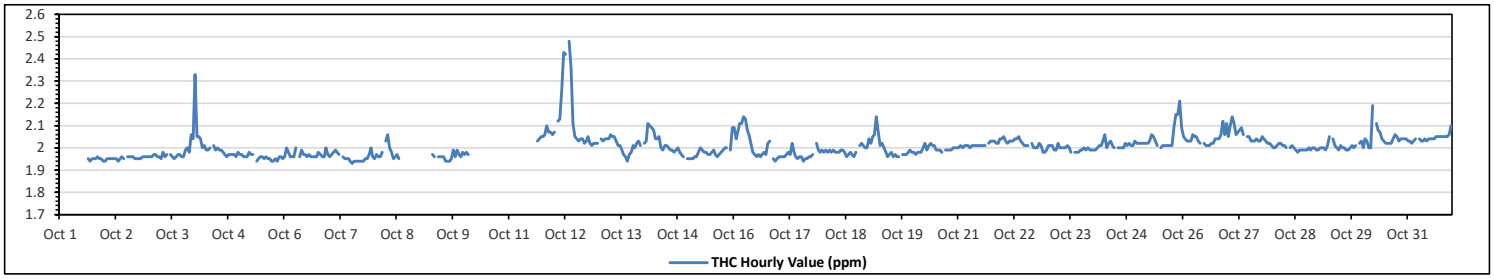
TOTAL HYDROCARBONS (THC) in ppm

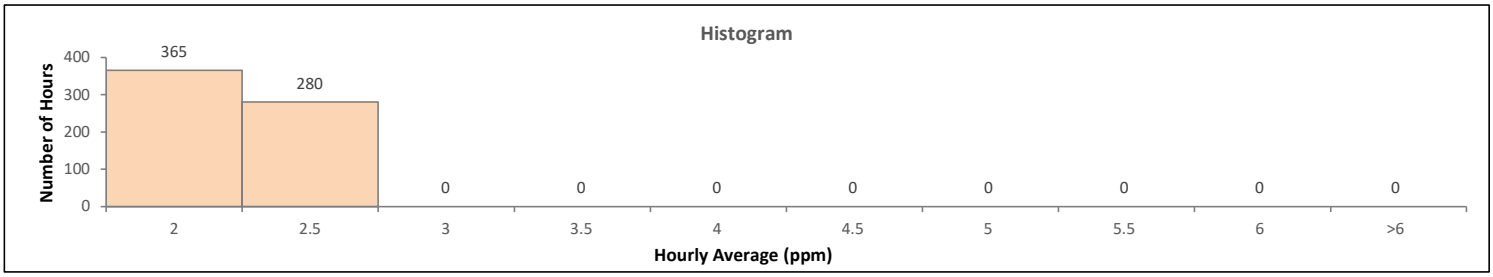
Maximum Hourly Value:	2.48	ppm	on Oct 12 at hr 8	Hours in Service:	744	
Maximum Daily Value:	2.13	ppm	on Oct 12	Hours of Data:	645	
Minimum Hourly Value:	1.93	ppm	on Oct 7 at hr 12	Hours of Missing Data:	66	
Minimum Daily Value:	1.95	ppm	on Oct 2	Hours of Calibration:	33	
Monthly Average:	2.01	ppm		Operational Uptime:	91.1	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	C	C	C	1.95	1.94	1.95	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.96	NA
Oct 2	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.96	1.95	S	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.94	1.96	1.95
Oct 3	1.96	1.96	1.97	1.97	1.96	1.96	1.95	1.98	1.96	1.97	S	1.97	1.96	1.95	1.96	1.97	1.97	1.96	1.96	1.99	2.00	1.98	2.06	2.04	1.95	2.06	1.97
Oct 4	2.33	2.05	2.05	2.04	2.00	2.01	1.99	1.99	2.00	S	2.01	1.99	2.00	1.99	1.99	1.98	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.98	1.96	2.33	2.01
Oct 5	1.97	1.97	1.96	1.96	1.96	1.98	1.97	1.97	S	1.94	1.95	1.96	1.96	1.95	1.96	1.95	1.95	1.94	1.94	1.95	1.94	1.96	1.96	1.95	1.94	1.98	1.96
Oct 6	1.96	2.00	1.98	1.96	1.96	1.96	2.00	S	1.96	1.99	1.97	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.98	1.97	1.96	1.96	2.00	1.97	1.96	2.00	1.97
Oct 7	1.96	1.97	1.98	1.99	1.98	1.97	S	1.96	1.95	1.95	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.97	2.00	1.96	1.93	2.00	1.96
Oct 8	1.95	1.97	1.96	1.96	1.98	S	2.03	2.06	2.00	1.98	1.95	1.96	1.97	1.95	P	P	P	P	P	P	P	P	P	P	1.95	2.06	NA
Oct 9	P	P	P	P	P	P	P	1.97	1.96	S	1.96	1.96	1.96	1.96	1.94	1.94	1.94	1.95	1.99	1.96	1.99	1.97	1.96	1.98	1.94	1.99	NA
Oct 10	1.97	1.98	1.97	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.97	1.98	NA
Oct 11	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	2.03	2.04	2.05	2.05	2.06	2.10	2.07	2.07	2.06	2.03	2.10	NA
Oct 12	2.07	S	2.12	2.13	2.26	2.43	2.42	NRM	2.48	2.36	2.11	2.05	2.04	2.03	2.04	2.04	2.02	2.03	2.05	2.02	2.01	2.02	2.02	2.02	2.01	2.48	2.13
Oct 13	S	2.04	2.03	2.04	2.04	2.04	2.06	2.05	2.05	2.03	2.01	2.01	1.99	1.97	1.96	1.94	1.97	1.98	2.01	2.00	2.02	2.03	2.01	S	1.94	2.06	2.01
Oct 14	2.02	2.03	2.11	2.10	2.09	2.08	2.04	2.04	2.05	2.00	1.99	2.01	2.01	2.00	1.99	1.99	1.98	1.99	2.00	1.98	1.97	1.96	S	1.95	1.95	2.11	2.02
Oct 15	1.95	1.95	1.95	1.96	1.96	1.98	2.00	1.99	1.98	1.98	1.97	1.97	1.98	1.99	1.97	1.96	1.97	1.98	1.99	2.00	2.00	S	1.99	2.09	1.95	2.09	1.98
Oct 16	2.09	2.04	2.07	2.11	2.11	2.14	2.13	2.08	2.06	2.02	1.98	1.97	1.96	1.97	1.96	1.97	1.98	1.97	2.02	2.03	S	1.95	1.94	1.95	1.94	2.14	2.02
Oct 17	1.96	1.96	1.96	1.96	1.97	1.98	1.97	2.02	1.98	1.96	1.95	1.96	1.96	1.94	1.95	1.95	1.96	1.96	1.97	S	2.02	1.99	1.98	1.99	1.94	2.02	1.97
Oct 18	1.98	1.99	1.98	1.99	1.98	1.99	1.98	1.98	1.98	1.99	1.99	1.98	1.96	1.97	1.98	1.97	1.96	1.98	S	2.01	2.02	2.01	2.00	2.00	1.96	2.02	1.99
Oct 19	2.04	2.02	2.05	2.06	2.14	2.07	2.01	2.02	2.00	1.98	1.96	1.97	1.98	1.96	1.97	1.96	1.96	S	1.97	1.97	1.97	1.98	1.99	1.98	1.96	2.14	2.00
Oct 20	1.98	1.97	1.98	1.98	1.98	2.00	2.02	1.99	2.01	2.02	2.01	2.01	1.99	1.99	1.99	1.98	S	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.97	2.02	1.99
Oct 21	2.00	2.01	2.00	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.02	2.03	2.03	2.03	2.02	2.02	2.04	2.04	2.00	2.04	2.02
Oct 22	2.05	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.05	2.03	2.02	2.01	2.01	2.01	S	2.02	2.00	2.00	2.00	2.02	2.01	1.98	1.98	1.99	1.98	2.05	2.02
Oct 23	2.01	2.01	2.01	1.99	1.99	2.02	2.00	2.00	2.00	2.00	2.01	2.00	1.98	S	1.98	1.98	1.98	1.99	1.99	2.00	1.99	2.00	1.99	1.99	1.98	2.02	2.00
Oct 24	1.99	1.99	2.00	2.01	2.01	2.03	2.06	2.00	2.02	2.03	2.01	2.00	S	2.00	2.00	2.00	2.00	2.02	2.01	2.02	2.01	2.01	2.03	2.02	1.99	2.06	2.01
Oct 25	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.06	2.05	2.03	2.01	S	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.09	2.15	2.15	2.21	2.09	2.00	2.21	2.05
Oct 26	2.05	2.04	2.03	2.03	2.03	2.06	2.05	2.05	2.03	2.02	S	2.02	2.01	2.01	2.01	2.02	2.02	2.04	2.04	2.04	2.06	2.12	2.06	2.11	2.01	2.12	2.04
Oct 27	2.05	2.10	2.14	2.11	2.06	2.07	2.08	2.09	2.06	S	2.05	2.05	2.03	2.03	2.03	2.04	2.03	2.03	2.05	2.04	2.03	2.02	2.02	2.01	2.01	2.14	2.05
Oct 28	2.00	2.00	2.01	2.02	2.02	2.01	2.01	2.00	S	2.00	2.01	2.00	1.99	1.98	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.00	1.99	1.98	2.02	2.00
Oct 29	1.99	2.00	2.00	2.00	1.99	2.01	2.05	S	2.04	2.01	2.00	1.99	2.01	2.00	2.00	1.99	1.99	2.00	2.01	2.00	2.01	K	2.02	2.03	1.99	2.05	2.01
Oct 30	2.00	2.04	2.03	2.00	2.00	2.19	S	2.11	2.08	2.07	2.04	2.03	2.02	2.02	2.02	2.02	2.04	2.06	2.05	2.03	2.04	2.04	2.04	2.04	2.00	2.19	2.04
Oct 31	2.03	2.03	2.02	2.03	2.04	S	2.04	2.03	2.03	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.02	2.10	2.04
Diurnal Maximum	2.33	2.10	2.14	2.13	2.26	2.43	2.42	2.11	2.48	2.36	2.11	2.05	2.04	2.04	2.04	2.05	2.05	2.06	2.05	2.09	2.15	2.15	2.21	2.11			
Diurnal Average	2.01	2.00	2.01	2.02	2.02	2.04	2.04	2.02	2.03	2.01	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.00	2.00	2.01	2.00	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.



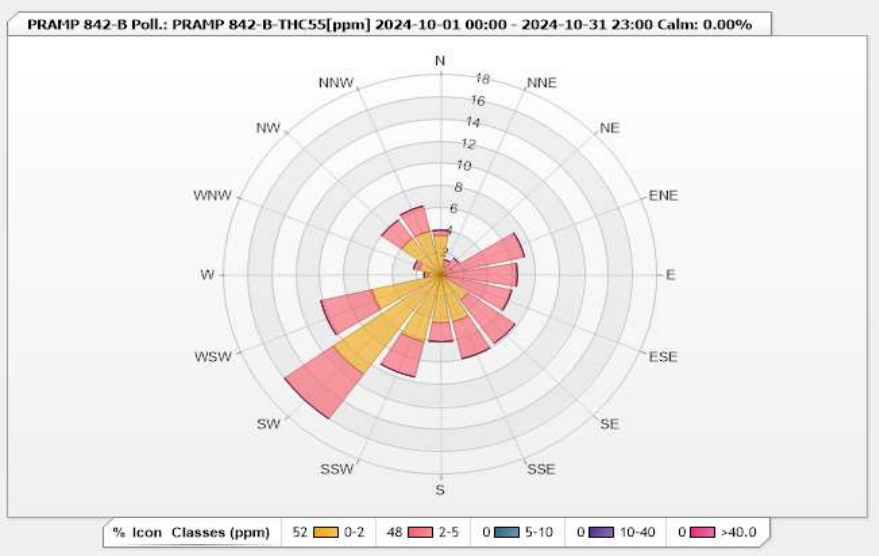


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 86.69% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	3.57	0.47	0	0	0	4.04
NNE	0.78	0.62	0	0	0	1.4
NE	0.31	1.55	0	0	0	1.86
ENE	0.93	6.2	0	0	0	7.13
E	0.16	6.2	0	0	0	6.36
ESE	0.47	5.58	0	0	0	6.05
SE	2.79	4.81	0	0	0	7.6
SSE	4.34	3.41	0	0	0	7.75
S	4.34	1.71	0	0	0	6.05
SSW	6.2	3.26	0	0	0	9.46
SW	11.01	4.96	0	0	0	15.97
WSW	5.89	4.34	0	0	0	10.23
W	1.09	0.31	0	0	0	1.4
WNW	1.86	0.47	0	0	0	2.33
NW	4.03	2.02	0	0	0	6.05
NNW	4.03	2.33	0	0	0	6.36
Summary	51.8	48.24	0	0	0	100



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

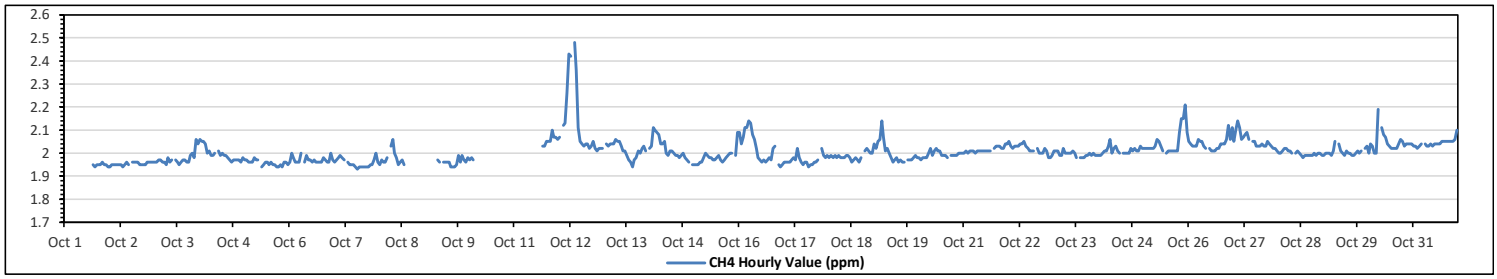
METHANE (CH4) in ppm

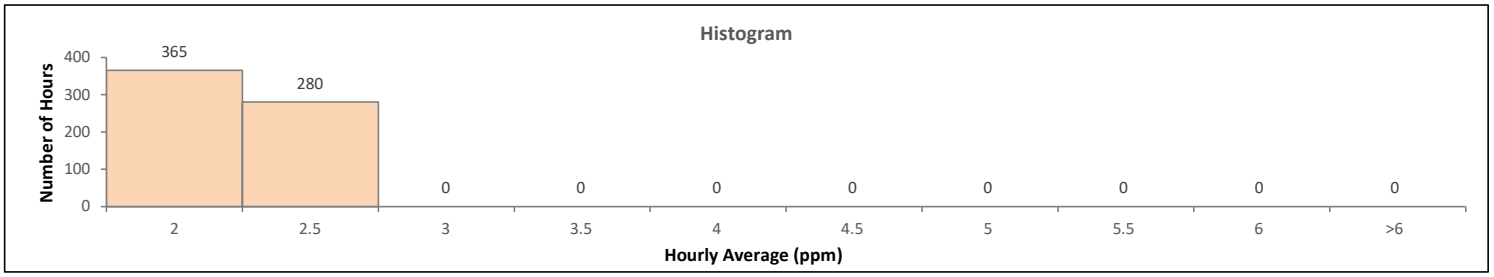
Maximum Hourly Value:	2.48	ppm	on Oct 12 at hr 8	Hours in Service:	744	
Maximum Daily Value:	2.13	ppm	on Oct 12	Hours of Data:	645	
Minimum Hourly Value:	1.93	ppm	on Oct 7 at hr 12	Hours of Missing Data:	66	
Minimum Daily Value:	1.95	ppm	on Oct 2	Hours of Calibration:	33	
Monthly Average:	2.01	ppm		Operational Uptime:	91.1	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	C	C	C	1.95	1.94	1.95	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.96	NA
Oct 2	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.95	1.96	1.95	S	1.96	1.96	1.96	1.96	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.94	1.96	1.95
Oct 3	1.96	1.96	1.97	1.97	1.96	1.96	1.95	1.98	1.96	1.97	S	1.97	1.96	1.95	1.96	1.97	1.97	1.96	1.96	1.99	2.00	1.98	2.06	2.04	1.95	2.06	1.97
Oct 4	2.06	2.05	2.05	2.04	2.00	2.01	1.99	1.99	2.00	S	2.01	1.99	2.00	1.99	1.99	1.98	1.97	1.96	1.97	1.97	1.97	1.97	1.96	1.98	1.96	2.06	2.00
Oct 5	1.97	1.97	1.96	1.96	1.96	1.98	1.97	1.97	S	1.94	1.95	1.96	1.96	1.95	1.96	1.95	1.95	1.94	1.94	1.95	1.94	1.96	1.96	1.95	1.94	1.98	1.96
Oct 6	1.96	2.00	1.98	1.96	1.96	1.96	2.00	S	1.96	1.99	1.97	1.97	1.96	1.97	1.96	1.96	1.96	1.96	1.98	1.97	1.96	1.96	2.00	1.97	1.96	2.00	1.97
Oct 7	1.96	1.97	1.98	1.99	1.98	1.97	S	1.96	1.95	1.95	1.95	1.94	1.93	1.94	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.97	2.00	1.96	1.93	2.00	1.96
Oct 8	1.95	1.97	1.96	1.96	1.98	S	2.03	2.06	2.00	1.98	1.95	1.96	1.97	1.95	P	P	P	P	P	P	P	P	P	P	1.95	2.06	NA
Oct 9	P	P	P	P	P	P	P	1.97	1.96	S	1.96	1.96	1.96	1.96	1.94	1.94	1.94	1.95	1.99	1.96	1.99	1.97	1.96	1.98	1.94	1.99	NA
Oct 10	1.97	1.98	1.97	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.97	1.98	NA
Oct 11	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	2.03	2.03	2.05	2.05	2.05	2.10	2.07	2.07	2.06	2.03	2.10	NA
Oct 12	2.07	S	2.12	2.13	2.26	2.43	2.42	NRM	2.48	2.36	2.11	2.05	2.04	2.03	2.04	2.04	2.02	2.03	2.05	2.02	2.01	2.02	2.02	2.02	2.01	**2.48**	**2.13**
Oct 13	S	2.04	2.03	2.04	2.04	2.04	2.06	2.05	2.05	2.03	2.01	2.01	1.99	1.97	1.96	1.94	1.97	1.98	2.01	2.00	2.02	2.03	2.01	S	1.94	2.06	2.01
Oct 14	2.02	2.03	2.11	2.10	2.09	2.08	2.04	2.04	2.05	2.00	1.99	2.01	2.01	2.00	1.99	1.99	1.98	1.99	2.00	1.98	1.97	1.96	S	1.95	1.95	2.11	2.02
Oct 15	1.95	1.95	1.95	1.96	1.96	1.98	2.00	1.99	1.98	1.98	1.97	1.97	1.98	1.99	1.97	1.96	1.97	1.98	1.99	2.00	2.00	S	1.99	2.09	1.95	2.09	1.98
Oct 16	2.09	2.04	2.07	2.11	2.11	2.14	2.13	2.08	2.06	2.02	1.98	1.97	1.96	1.97	1.96	1.97	1.98	1.97	2.02	2.03	S	1.95	1.94	1.95	1.94	2.14	2.02
Oct 17	1.96	1.96	1.96	1.96	1.97	1.98	1.97	2.02	1.98	1.96	1.95	1.96	1.96	1.94	1.95	1.95	1.96	1.96	1.97	S	2.02	1.99	1.98	1.99	1.94	2.02	1.97
Oct 18	1.98	1.99	1.98	1.99	1.98	1.99	1.98	1.98	1.98	1.99	1.99	1.98	1.96	1.97	1.98	1.97	1.96	1.98	S	2.01	2.02	2.01	2.00	2.00	1.96	2.02	1.99
Oct 19	2.04	2.02	2.05	2.06	2.14	2.07	2.01	2.02	2.00	1.98	1.96	1.97	1.98	1.96	1.97	1.96	1.96	S	1.97	1.97	1.97	1.98	1.99	1.98	1.96	2.14	2.00
Oct 20	1.98	1.97	1.98	1.98	1.98	2.00	2.02	1.99	2.01	2.02	2.01	2.01	1.99	1.99	1.99	1.98	S	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.97	2.02	1.99
Oct 21	2.00	2.01	2.00	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	S	2.02	2.03	2.03	2.03	2.02	2.02	2.04	2.04	2.00	2.04	2.02
Oct 22	2.05	2.03	2.02	2.03	2.03	2.03	2.04	2.04	2.05	2.03	2.02	2.01	2.01	2.01	S	2.02	2.00	2.00	2.00	2.02	2.01	1.98	1.98	1.99	1.98	2.05	2.02
Oct 23	2.01	2.01	2.01	1.99	1.99	2.02	2.00	2.00	2.00	2.00	2.01	2.00	1.98	S	1.98	1.98	1.98	1.99	1.99	2.00	1.99	2.00	1.99	1.99	1.98	2.02	2.00
Oct 24	1.99	1.99	2.00	2.01	2.01	2.03	2.06	2.00	2.02	2.03	2.01	2.00	S	2.00	2.00	2.00	2.00	2.02	2.01	2.02	2.01	2.01	2.03	2.02	1.99	2.06	2.01
Oct 25	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.06	2.05	2.03	2.01	S	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.09	2.15	2.15	2.21	2.09	2.00	2.21	2.05
Oct 26	2.05	2.04	2.03	2.03	2.03	2.06	2.05	2.05	2.03	2.02	S	2.02	2.01	2.01	2.01	2.02	2.02	2.04	2.04	2.04	2.06	2.12	2.06	2.11	2.01	2.12	2.04
Oct 27	2.05	2.10	2.14	2.11	2.06	2.07	2.08	2.09	2.06	S	2.05	2.05	2.03	2.03	2.03	2.04	2.03	2.03	2.05	2.04	2.03	2.02	2.02	2.01	2.01	2.14	2.05
Oct 28	2.00	2.00	2.01	2.02	2.02	2.01	2.01	2.00	S	2.00	2.01	2.00	1.99	1.98	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.00	2.00	1.99	1.98	2.02	2.00
Oct 29	1.99	2.00	2.00	2.00	1.99	2.01	2.05	S	2.04	2.01	2.00	1.99	2.01	2.00	2.00	1.99	1.99	2.00	2.01	2.00	2.01	K	2.02	2.03	1.99	2.05	2.01
Oct 30	2.00	2.04	2.03	2.00	2.00	2.19	S	2.11	2.08	2.07	2.04	2.03	2.02	2.02	2.02	2.02	2.04	2.06	2.05	2.03	2.04	2.04	2.04	2.04	2.00	2.19	2.04
Oct 31	2.03	2.03	2.02	2.03	2.04	S	2.04	2.03	2.03	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.02	2.10	2.04
Diurnal Maximum	2.09	2.10	2.14	2.13	2.26	2.43	2.42	2.11	2.48	2.36	2.11	2.05	2.04	2.04	2.04	2.05	2.05	2.06	2.05	2.09	2.15	2.15	2.21	2.11			
Diurnal Average	2.00	2.00	2.01	2.02	2.02	2.04	2.04	2.02	2.03	2.01	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	2.00	2.00	2.01	2.00	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.



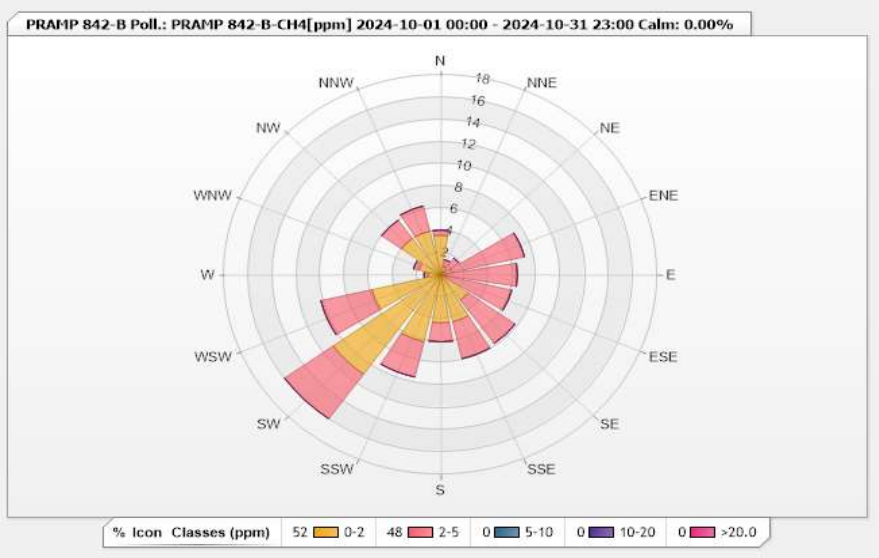


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 86.69% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	3.57	0.47	0	0	0	4.04
NNE	0.78	0.62	0	0	0	1.4
NE	0.31	1.55	0	0	0	1.86
ENE	0.93	6.2	0	0	0	7.13
E	0.16	6.2	0	0	0	6.36
ESE	0.47	5.58	0	0	0	6.05
SE	2.79	4.81	0	0	0	7.6
SSE	4.34	3.41	0	0	0	7.75
S	4.34	1.71	0	0	0	6.05
SSW	6.2	3.26	0	0	0	9.46
SW	11.01	4.96	0	0	0	15.97
WSW	5.89	4.34	0	0	0	10.23
W	1.09	0.31	0	0	0	1.4
WNW	1.86	0.47	0	0	0	2.33
NW	4.03	2.02	0	0	0	6.05
NNW	4.03	2.33	0	0	0	6.36
Summary	51.8	48.24	0	0	0	100



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

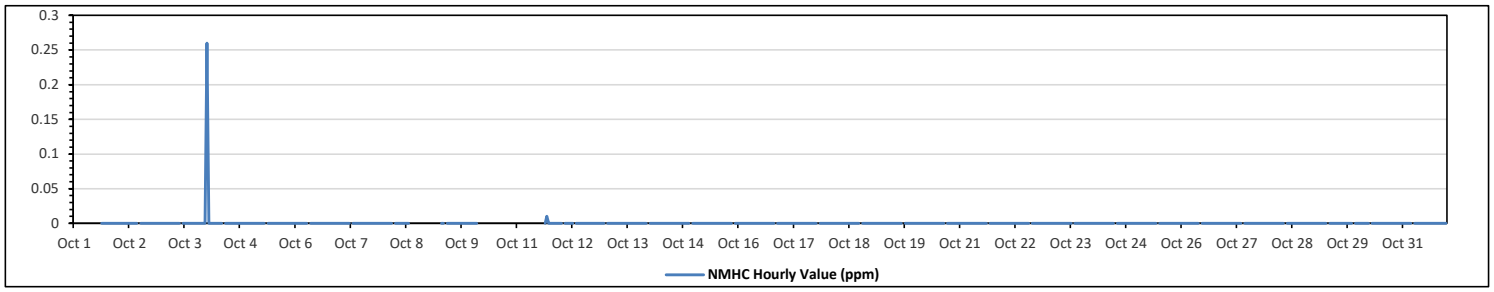
NON-METHANE HYDROCARBONS (NMHC) in ppm

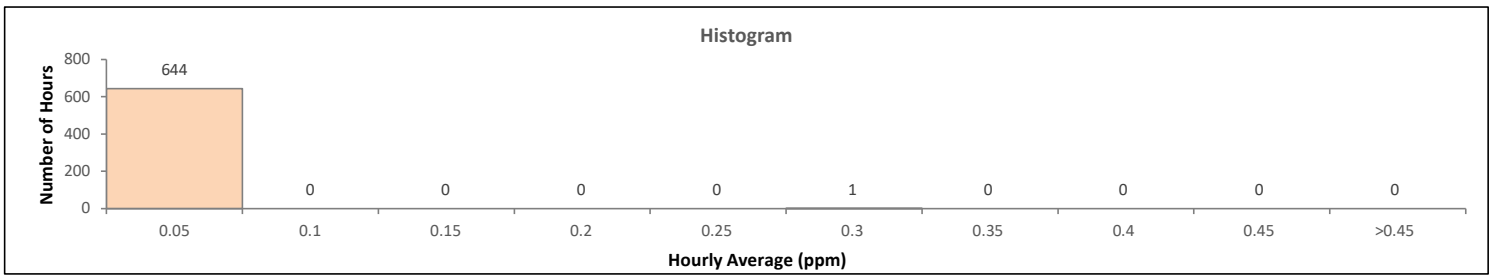
Maximum Hourly Value:	0.26	ppm	on Oct 4 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.01	ppm	on Oct 4	Hours of Data:	645
Minimum Hourly Value:	0.00	ppm	on Oct 1 at hr 15	Hours of Missing Data:	66
Minimum Daily Value:	0.00	ppm	on Oct 2	Hours of Calibration:	33
Monthly Average:	0.00	ppm		Operational Uptime:	91.1

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	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	NA
Oct 2	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
Oct 3	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
Oct 4	**0.26**	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	**0.26**	**0.01**
Oct 5	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
Oct 6	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
Oct 7	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
Oct 8	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	P	P	P	P	P	P	P	P	P	P	0.00	0.00	NA
Oct 9	P	P	P	P	P	P	P	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	NA
Oct 10	0.00	0.00	0.00	S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	0.00	0.00	NA
Oct 11	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	NA
Oct 12	0.00	S	0.00	0.00	0.00	0.00	0.00	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct 13	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
Oct 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Oct 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Oct 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 20	0.00	0.00	0.00	0.00	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
Oct 21	0.00	0.00	0.00	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
Oct 22	0.00	0.00	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
Oct 23	0.00	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
Oct 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	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
Oct 25	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
Oct 26	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
Oct 27	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
Oct 28	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
Oct 29	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	K	0.00	0.00	0.00	0.00	0.00
Oct 30	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
Oct 31	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
Diurnal Maximum	0.26	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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.



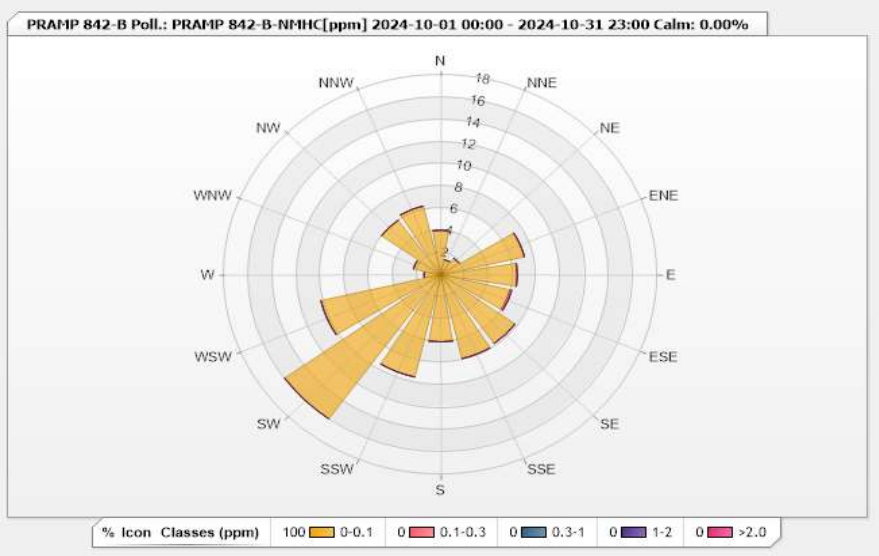


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 86.69% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.03	0	0	0	0	4.03
NNE	1.4	0	0	0	0	1.4
NE	1.86	0	0	0	0	1.86
ENE	7.13	0	0	0	0	7.13
E	6.36	0	0	0	0	6.36
ESE	5.89	0.16	0	0	0	6.05
SE	7.6	0	0	0	0	7.6
SSE	7.75	0	0	0	0	7.75
S	6.05	0	0	0	0	6.05
SSW	9.46	0	0	0	0	9.46
SW	15.97	0	0	0	0	15.97
WSW	10.23	0	0	0	0	10.23
W	1.4	0	0	0	0	1.4
WNW	2.33	0	0	0	0	2.33
NW	6.05	0	0	0	0	6.05
NNW	6.36	0	0	0	0	6.36
Summary	100	0.16	0	0	0	100



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

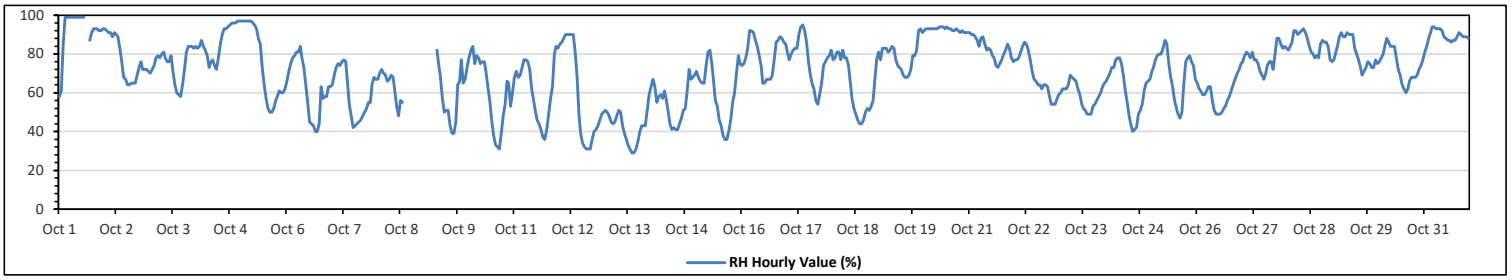
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	99	%	on Oct 1 at hr 3	Hours in Service:	744	
Maximum Daily Value:	92.6	%	on Oct 20	Hours of Data:	725	
Minimum Hourly Value:	29	%	on Oct 13 at hr 14	Hours of Missing Data:	19	
Minimum Daily Value:	42.4	%	on Oct 13	Hours of Calibration:	0	
Monthly Average:	70.7	%		Operational Uptime:	97.4	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	58	61	85	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	NRM	NRM	87	91	93	93	93	92	92	93	58	**99**	92.1
Oct 2	93	92	91	91	89	91	90	89	83	76	68	67	64	64	65	65	65	69	73	76	72	72	72	71	64	93	77.0
Oct 3	70	72	74	78	79	78	80	81	78	76	76	79	71	64	60	59	58	64	72	81	84	84	84	83	58	84	74.4
Oct 4	84	83	84	87	84	82	79	73	76	77	74	72	78	85	90	93	93	94	95	96	96	96	97	97	72	97	86.0
Oct 5	97	97	97	97	97	97	96	95	93	88	85	73	64	57	52	50	50	52	56	58	61	60	60	62	50	97	74.8
Oct 6	66	71	75	78	79	81	81	84	78	73	64	55	45	44	43	40	40	44	63	57	58	58	63	63	40	84	62.6
Oct 7	64	69	73	75	74	76	77	76	64	54	48	42	43	44	45	46	48	50	52	55	55	64	68	67	42	77	59.5
Oct 8	67	70	72	70	69	66	67	69	68	60	53	48	56	55	P	P	P	P	P	P	P	P	P	P	48	72	NA
Oct 9	P	P	P	P	P	P	P	82	75	68	57	50	51	51	43	39	39	45	64	66	77	65	67	73	39	82	NA
Oct 10	78	82	84	75	79	78	75	76	76	71	63	56	46	38	33	32	31	39	48	54	66	65	53	60	31	84	60.8
Oct 11	68	71	68	69	73	77	77	76	72	62	57	51	46	44	41	37	36	41	49	57	63	80	84	83	36	84	61.8
Oct 12	85	86	88	90	90	90	90	90	81	68	48	39	34	32	31	31	31	36	40	41	43	46	49	50	31	90	58.7
Oct 13	51	50	48	45	44	45	48	51	50	43	39	36	33	31	**29**	**29**	31	35	40	43	43	43	51	59	**29**	59	**42.4**
Oct 14	63	67	63	55	58	59	57	61	56	51	44	41	42	41	41	44	47	51	52	61	72	67	68	69	41	72	55.4
Oct 15	71	68	66	65	65	74	81	82	75	65	56	53	46	43	38	36	36	40	46	55	60	70	79	75	36	82	60.2
Oct 16	74	75	78	83	92	92	91	87	84	79	74	65	65	67	67	67	69	77	86	87	89	88	86	85	65	92	79.5
Oct 17	81	77	80	82	83	83	90	94	95	92	86	76	70	65	62	56	54	59	65	74	76	78	79	82	54	95	76.6
Oct 18	77	78	81	81	77	82	78	78	74	65	57	52	49	46	44	44	46	50	52	51	53	56	68	77	44	82	63.2
Oct 19	81	77	83	83	83	81	82	84	83	77	74	73	72	69	68	68	69	72	79	79	82	92	93	91	68	93	79.0
Oct 20	92	93	93	93	93	93	93	93	94	94	94	93	94	93	93	92	92	93	92	91	92	91	91	91	91	94	**92.6**
Oct 21	91	90	90	89	87	84	88	89	85	82	83	82	79	78	74	73	75	77	80	82	85	83	78	76	73	91	82.5
Oct 22	77	77	78	81	84	86	85	82	77	71	67	66	64	64	62	64	64	63	58	54	54	54	57	59	54	86	68.7
Oct 23	60	62	62	62	64	69	68	67	66	62	59	54	52	51	49	49	49	53	54	56	58	60	63	65	49	69	58.9
Oct 24	66	68	70	73	73	77	78	78	75	69	61	55	48	44	40	41	42	49	51	54	61	65	66	67	40	78	61.3
Oct 25	71	73	77	79	80	80	83	87	85	75	68	63	56	52	49	47	50	65	76	78	79	76	74	67	47	87	70.4
Oct 26	65	62	61	59	59	61	63	63	56	51	49	49	49	50	52	53	56	58	61	64	67	70	72	75	49	75	59.4
Oct 27	76	79	81	80	78	81	77	77	75	71	69	67	70	74	76	76	72	80	88	88	85	83	84	83	67	88	77.9
Oct 28	82	84	86	92	92	90	91	92	93	91	88	84	81	80	78	79	78	85	87	86	86	84	77	76	76	93	85.1
Oct 29	77	81	84	89	91	89	89	91	90	90	90	83	80	77	73	69	71	73	76	75	73	73	77	75	69	91	80.7
Oct 30	76	78	80	84	88	86	84	84	84	78	72	69	64	62	60	62	66	68	68	68	69	72	74	77	60	88	73.9
Oct 31	81	84	88	91	94	94	93	93	93	92	89	88	87	87	86	87	87	89	91	90	89	89	89	88	81	94	89.1
Diurnal Maximum	97	97	97	99	99	99	99	99	99	99	99	99	99	99	93	93	93	94	95	96	96	96	97	97			
Diurnal Average	74.7	75.9	78.0	79.2	79.9	80.7	81.0	81.4	78.5	73.2	68.1	63.9	61.2	59.7	56.7	56.1	57.7	62.1	66.9	69.0	71.4	72.5	73.8	74.6			

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

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



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

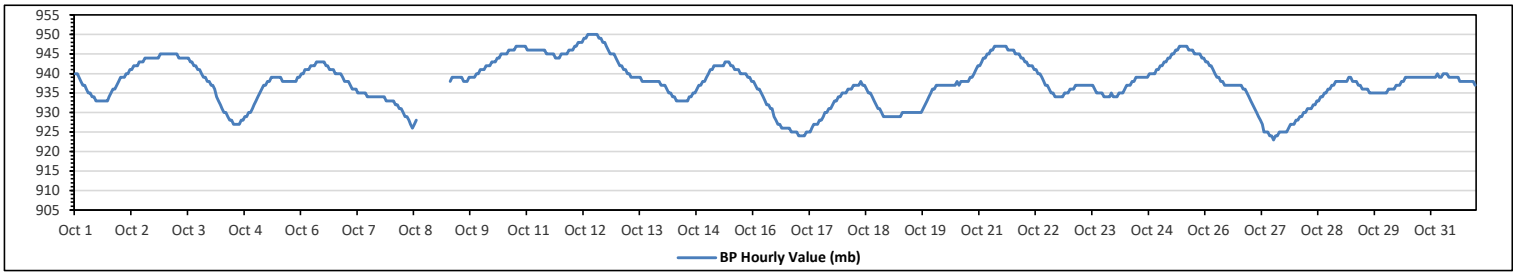
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	950 mb	on Oct 12 at hr 8	Hours in Service:	744	
Maximum Daily Value:	948 mb	on Oct 12	Hours of Data:	727	
Minimum Hourly Value:	923 mb	on Oct 27 at hr 12	Hours of Missing Data:	17	
Minimum Daily Value:	927 mb	on Oct 27	Hours of Calibration:	0	
Monthly Average:	938 mb		Operational Uptime:	97.7	

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
Oct 1	940	940	939	938	937	937	936	935	935	934	934	933	933	933	933	933	933	933	934	935	936	936	937	938	933	940	936
Oct 2	939	939	939	940	940	941	941	942	942	942	943	943	943	944	944	944	944	944	944	944	944	945	945	945	939	945	943
Oct 3	945	945	945	945	945	945	945	944	944	944	944	944	944	943	943	942	942	941	941	940	939	939	938	938	938	945	943
Oct 4	937	937	936	934	933	932	931	930	930	929	928	928	927	927	927	927	928	928	929	929	930	930	931	932	927	937	930
Oct 5	933	934	935	936	937	937	938	938	939	939	939	939	939	939	938	938	938	938	938	938	938	938	939	939	933	939	938
Oct 6	940	940	941	941	941	942	942	942	943	943	943	943	943	942	942	941	941	941	940	940	940	940	939	938	938	943	941
Oct 7	938	938	937	936	936	936	935	935	935	935	935	934	934	934	934	934	934	934	934	934	934	933	933	933	933	938	935
Oct 8	933	933	932	932	931	931	930	929	929	928	927	926	927	928	P	P	P	P	P	P	P	P	P	P	926	933	NA
Oct 9	P	P	P	P	P	P	P	938	939	939	939	939	939	939	938	938	938	939	939	939	939	940	940	941	938	941	NA
Oct 10	941	941	942	942	942	943	943	943	944	944	945	945	945	945	946	946	946	946	947	947	947	947	947	947	941	947	945
Oct 11	946	946	946	946	946	946	946	946	946	946	945	945	945	945	945	944	944	944	945	945	945	945	946	946	944	946	945
Oct 12	946	947	947	948	948	948	949	949	**950**	**950**	**950**	**950**	**950**	**950**	949	949	948	948	947	946	945	945	945	944	944	**950**	**948**
Oct 13	943	942	942	941	941	940	940	939	939	939	939	939	939	938	938	938	938	938	938	938	938	938	938	937	937	943	939
Oct 14	937	937	936	935	935	934	934	933	933	933	933	933	933	933	934	934	935	935	936	937	937	938	938	939	933	939	935
Oct 15	940	941	941	942	942	942	942	942	942	943	943	943	942	942	941	941	941	940	940	940	940	939	939	938	938	943	941
Oct 16	938	937	936	936	935	934	933	932	932	931	931	929	928	927	927	926	926	926	926	926	925	925	925	925	925	938	930
Oct 17	924	924	924	924	925	925	925	926	927	927	927	928	928	929	930	930	931	931	932	933	933	934	934	935	924	935	929
Oct 18	935	935	936	936	936	937	937	937	937	938	937	937	936	935	935	934	933	932	931	931	930	929	929	929	929	938	934
Oct 19	929	929	929	929	929	929	929	930	930	930	930	930	930	930	930	930	930	930	931	932	933	934	935	936	929	936	931
Oct 20	936	937	937	937	937	937	937	937	937	937	937	937	938	937	938	938	938	938	938	939	939	940	941	942	936	942	938
Oct 21	942	943	944	944	945	945	946	946	947	947	947	947	947	947	947	946	946	946	946	945	945	945	944	944	942	947	945
Oct 22	943	943	942	942	942	941	941	940	940	939	938	937	937	936	935	935	934	934	934	934	934	935	935	935	934	943	938
Oct 23	936	936	936	937	937	937	937	937	937	937	937	937	937	936	935	935	935	935	934	934	934	934	935	934	934	937	936
Oct 24	934	934	935	935	935	936	937	937	937	938	938	939	939	939	939	939	939	939	939	940	940	940	941	941	934	941	938
Oct 25	942	942	943	943	944	944	945	945	946	946	947	947	947	947	947	946	946	946	945	945	945	945	944	944	942	947	945
Oct 26	943	943	942	942	941	940	939	939	938	938	937	937	937	937	937	937	937	937	937	937	936	936	935	934	934	943	938
Oct 27	933	932	931	930	929	928	927	925	925	925	924	924	**923**	924	924	925	925	925	925	925	926	927	927	927	**923**	933	**927**
Oct 28	928	928	929	929	930	930	931	931	931	932	932	933	933	934	934	935	935	936	936	937	937	938	938	938	928	938	933
Oct 29	938	938	938	938	939	939	938	938	938	937	937	936	936	936	936	935	935	935	935	935	935	935	935	935	935	939	937
Oct 30	935	936	936	936	936	937	937	937	938	938	939	939	939	939	939	939	939	939	939	939	939	939	939	939	935	939	938
Oct 31	939	939	939	940	939	939	940	940	940	939	939	939	939	939	939	938	938	938	938	938	938	938	938	937	937	940	939
Diurnal Maximum	946	947	947	948	948	948	949	949	950	950	950	950	950	950	949	949	948	948	947	947	947	947	947	947			
Diurnal Average	938	938	938	938	938	938	938	937	938	938	938	937	937	937	937	937	937	937	937	937	937	938	938	938			

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

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



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

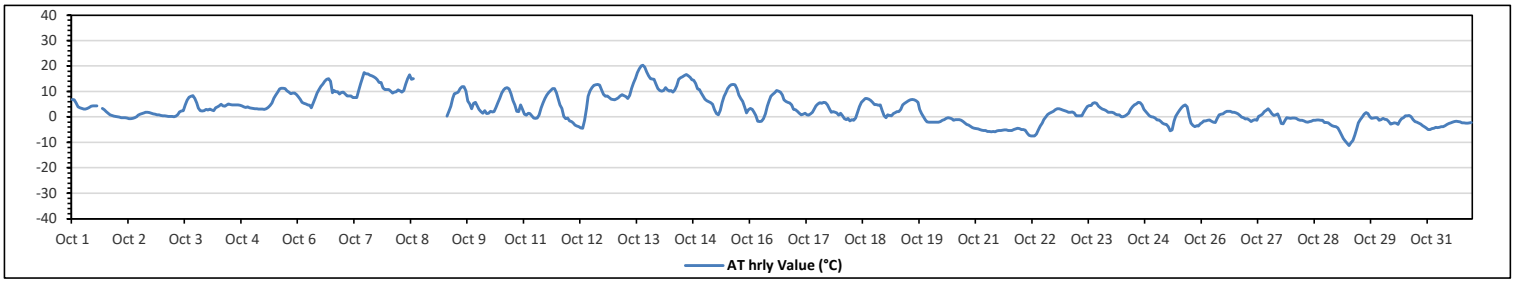
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	20.3	°C	on Oct 13 at hr 15	Hours in Service:	744	
Maximum Daily Value:	12.9	°C	on Oct 13	Hours of Data:	725	
Minimum Hourly Value:	-11.2	°C	on Oct 29 at hr 6	Hours of Missing Data:	19	
Minimum Daily Value:	-5.2	°C	on Oct 21	Hours of Calibration:	0	
Monthly Average:	3.1	°C		Operational Uptime:	97.4	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	6.8	6.7	5.4	4	3.6	3.3	3.1	3.1	3.3	3.8	4.2	4.3	4.4	4.3	NRM	NRM	3.4	2.8	2.1	1.5	0.9	0.6	0.3	0.2	0.2	6.8	3.3
Oct 2	0.1	-0.1	-0.2	-0.2	-0.3	-0.4	-0.6	-0.7	-0.5	-0.2	0.1	0.7	1.1	1.3	1.6	1.9	1.9	1.7	1.5	1.2	1.1	0.9	0.8	0.6	-0.7	1.9	0.6
Oct 3	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.3	1	2	2.4	2.5	4.7	6.6	7.8	8.1	8.4	7.2	5.4	3.5	2.5	2.4	2.5	3	0.1	8.4	3.0
Oct 4	2.7	3.1	2.7	2.5	3.6	4	4.3	5	4.3	4.2	4.8	5.1	4.9	4.8	4.7	4.7	4.7	4.6	4.3	3.9	3.8	3.9	3.7	3.5	2.5	5.1	4.1
Oct 5	3.4	3.2	3.2	3.1	3.1	3.1	3	3.2	3.8	4.5	5.5	7.4	8.6	9.7	11	11.3	11.3	11.1	10.3	9.8	9.2	9.3	9.3	8.8	3.0	11.3	6.9
Oct 6	7.9	7	5.8	5.3	5.1	4.7	4.6	3.7	5.5	7.4	9.3	10.8	12	12.9	14	14.7	15	14	9.5	10.5	9.9	9.9	9.1	9.6	3.7	15.0	9.1
Oct 7	9.8	9	8.3	8.2	8.3	7.6	7.6	7.7	10.5	13.1	15.5	17.4	17	16.9	16.4	16.2	15.9	15.3	14.6	13.5	13.5	11.4	10.7	10.7	7.6	17.4	12.3
Oct 8	10.8	10.1	9.4	9.8	9.9	10.6	10.3	9.8	10.5	13	15.1	16.5	14.7	15	P	P	P	P	P	P	P	P	P	P	9.4	16.5	NA
Oct 9	P	P	P	P	P	P	P	0.3	2.3	4.2	7.4	9.2	9.4	9.7	11.2	11.9	11.9	10.3	6.3	5.2	3.2	5.3	5.8	4.5	0.3	11.9	NA
Oct 10	2.9	2.1	1.5	2.5	1.3	1.4	2.2	2	2.1	3.8	5.6	7.4	9.4	10.6	11.3	11.5	11	9.2	6.5	4.7	2.3	2.1	4.8	2.9	1.3	11.5	5.0
Oct 11	1.1	0.7	1.5	1.3	0.5	-0.4	-0.5	-0.4	0.9	3.5	5.5	7.2	8.6	9.6	10.4	11.2	11.1	9.5	6.8	4.8	3.3	0.2	-0.7	-0.4	-0.7	11.2	4.0
Oct 12	-1.5	-1.8	-2.3	-3.1	-3.5	-3.8	-4.3	-4.4	-1.4	3.4	8.1	10.3	11.6	12.4	12.6	12.8	12.5	10.6	8.9	8.1	8.2	7.7	7	6.8	-4.4	12.8	4.8
Oct 13	6.7	7.1	7.5	8.2	8.8	8.4	8	7.3	8.5	11.3	13.4	15.2	17.4	18.9	20	**20.3**	19.6	17.7	16.2	15.1	14.9	14.7	13	11.2	6.7	**20.3**	**12.9**
Oct 14	10.5	10.1	10.5	11.5	10.6	10.2	10.5	9.7	10.6	12.2	14.7	15.4	15.8	16.3	16.7	16.2	15.6	14.6	14.4	13.2	11	10.7	9.5	8.3	8.3	16.7	12.5
Oct 15	7	6.4	6	5.6	5	2.8	1.3	0.9	2.6	5.7	8.1	9.4	11.1	12.1	12.6	12.8	12.6	11.2	8.7	7.2	6.2	4	1.6	2.8	0.9	12.8	6.8
Oct 16	3.4	3	2	0.6	-1.7	-1.8	-1.7	-0.7	1.2	4.2	6.2	8.1	8.9	9.5	10.4	10.1	9.7	8.6	6.7	6.1	5.7	5.5	4.8	3	-1.8	10.4	4.7
Oct 17	2.8	2.2	1.4	0.9	1.1	1.4	0.8	0.7	1.2	1.8	2.9	4.3	5.1	5.6	5.3	5.7	5.6	4.7	3.2	1.8	2.1	1.9	1.6	0.7	0.7	5.7	2.7
Oct 18	1.4	0.5	-0.6	-1.1	-0.5	-1.5	-1.1	-1.3	-0.4	1.9	4.1	5.7	6.5	7.3	7.2	7	6.5	5.7	4.9	4.9	4.6	4.7	2.5	0.5	-1.5	7.3	2.9
Oct 19	-0.2	0.9	0.6	0.4	1.3	1.7	2.1	2.1	2.9	4.7	5.3	5.9	6.4	6.7	6.8	6.7	6.4	5.7	3	1.3	0	-1.2	-1.9	-2	-2.0	6.8	2.7
Oct 20	-2.1	-2	-2.1	-2.1	-2	-1.8	-1.4	-1	-0.5	-0.3	-0.4	-0.6	-1.3	-1	-1	-1.1	-1.3	-1.8	-2.4	-2.9	-3.2	-3.7	-4.2	-4.4	-4.4	-0.3	-1.9
Oct 21	-4.5	-4.7	-4.9	-5.2	-5.3	-5.4	-5.6	-5.7	-5.8	-5.7	-5.8	-5.5	-5.3	-5.3	-5.2	-5.1	-5.1	-5.3	-5.3	-5.3	-5	-4.7	-4.4	-4.6	-5.8	-4.4	**-5.2**
Oct 22	-4.9	-5	-5.2	-6.4	-7.2	-7.4	-7.5	-7.4	-6.8	-5.1	-3.6	-2.5	-1.1	-0.1	1	1.5	1.9	2.2	2.8	3.2	3.2	3	2.7	2.5	-7.5	3.2	-1.9
Oct 23	2.2	1.8	1.8	2	1.6	0.4	0.4	0.5	0.4	1.7	2.9	4.1	4.5	4.5	5.3	5.6	5.3	4.2	3.6	3.1	2.8	2.5	1.9	1.9	0.4	5.6	2.7
Oct 24	1.8	1.6	1.1	0.8	0.8	0.1	0.1	0.3	0.8	1.5	2.9	4	4.7	5.2	5.8	5.6	4.8	3	2.2	1.3	0.4	0.1	-0.1	-0.4	-0.4	5.8	2.0
Oct 25	-1.2	-1.2	-1.8	-2.4	-2.8	-2.9	-3.8	-5.5	-5.1	-1.7	0.2	1.4	2.6	3.7	4.4	4.7	4	0.3	-2.5	-3.3	-3.8	-3.4	-3.6	-2.7	-5.5	4.7	-1.1
Oct 26	-2.2	-1.5	-1.5	-1.3	-1.2	-1.6	-2	-2.2	-0.5	0.8	1.1	1.2	1.9	2.2	2.2	2.3	1.9	1.8	1.6	1.2	0.6	-0.1	-0.3	-0.8	-2.2	2.3	0.2
Oct 27	-0.7	-1.2	-1.8	-1.3	-1.1	-1.3	0.2	0.6	1.1	2.1	2.6	3.2	2.4	1.2	0.6	0.8	1.2	-0.5	-2.6	-2.7	-1.3	-0.2	-0.4	-0.5	-2.7	3.2	0.0
Oct 28	-0.4	-0.4	-0.5	-1.1	-1.3	-1.4	-1.5	-1.9	-2	-1.8	-1.6	-1.4	-1.3	-1.2	-1.2	-1.3	-1.4	-2.2	-2.2	-2.3	-2.9	-3.4	-3.7	-3.9	-3.9	-0.4	-1.8
Oct 29	-4.3	-5.7	-6.9	-8.5	-9.5	-10.4	**-11.2**	-10.1	-9.3	-7	-4.5	-2.3	-1.1	-0.1	1.1	1.7	1.3	0.2	-0.5	-0.4	-0.2	-0.3	-1.4	-1	**-11.2**	1.7	-3.8
Oct 30	-0.5	-0.9	-1	-1.8	-2.8	-2.6	-2.3	-2.5	-2.9	-1.7	-0.6	-0.2	0.5	0.4	0.6	0.1	-1.1	-1.8	-2.1	-2.4	-2.8	-3.4	-3.9	-4.3	-4.3	0.6	-1.7
Oct 31	-4.9	-4.9	-4.6	-4.4	-4.1	-4.2	-4.1	-3.9	-3.8	-3.4	-2.9	-2.6	-2.3	-2	-1.8	-1.7	-1.8	-1.9	-2.3	-2.3	-2.4	-2.4	-2.3	-2.2	-4.9	-1.7	-3.1
Diurnal Maximum	10.8	10.1	10.5	11.5	10.6	10.6	10.5	9.8	10.6	13.1	15.5	17.4	17.4	18.9	20.0	20.3	19.6	17.7	16.2	15.1	14.9	14.7	13.0	11.2			
Diurnal Average	1.8	1.6	1.2	0.9	0.7	0.4	0.4	0.3	1.1	2.7	4.1	5.2	5.9	6.4	6.6	6.8	6.4	5.4	4.1	3.5	2.9	2.6	2.2	1.8			

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

842-B Station - October 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

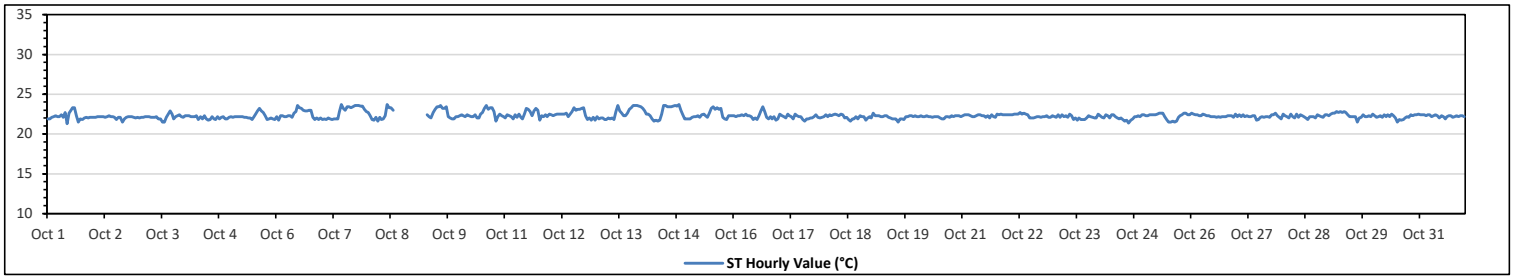
Maximum Hourly Value:	23.7	°C	on Oct 7 at hr 10	Hours in Service:	744
Maximum Daily Value:	22.8	°C	on Oct 7	Hours of Data:	727
Minimum Hourly Value:	21.3	°C	on Oct 1 at hr 10	Hours of Missing Data:	17
Minimum Daily Value:	22.1	°C	on Oct 4	Hours of Calibration:	0
Monthly Average:	22.3	°C		Operational Uptime:	97.7

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			
Oct 1	21.9	21.9	22.1	22.2	22.3	22.2	22.2	22.4	22.1	22.7	**21.3**	22.6	23.0	23.3	23.3	22.3	21.5	21.9	21.8	22.0	22.1	22.0	22.1	22.1	**21.3**	23.3	22.2
Oct 2	22.1	22.1	22.2	22.2	22.2	22.2	22.1	22.2	22.3	22.2	22.2	22.1	21.8	22.1	22.1	21.5	21.9	22.1	22.2	22.2	22.2	22.1	22.0	22.1	21.5	22.3	22.1
Oct 3	22.0	22.1	22.1	22.2	22.2	22.2	22.1	22.1	22.1	22.2	21.9	21.9	21.5	21.5	22.1	22.5	22.9	22.5	21.9	22.2	22.3	22.4	22.2	22.1	21.5	22.9	22.1
Oct 4	22.3	22.3	22.3	22.2	22.2	22.2	22.3	21.8	22.2	21.9	22.3	21.9	21.7	21.8	22.2	21.9	21.8	22.2	21.9	22.1	22.2	21.9	21.9	22.1	21.7	22.3	**22.1**
Oct 5	22.2	22.1	22.2	22.2	22.2	22.2	22.2	22.1	22.1	22.0	22.0	21.8	22.2	22.5	22.9	23.2	22.9	22.7	22.3	21.8	21.9	22.0	21.9	21.8	21.8	23.2	22.2
Oct 6	22.2	21.7	22.3	22.3	22.2	22.2	22.3	22.3	22.1	22.6	22.8	23.6	23.3	23.2	23.0	22.9	22.9	23.0	23.0	22.1	21.8	22.0	21.8	22.0	21.7	23.6	22.5
Oct 7	21.8	21.9	21.8	22.0	21.9	21.8	21.9	21.9	21.9	22.8	**23.7**	23.2	23.0	23.4	23.4	23.3	23.4	23.6	23.6	23.6	23.5	23.5	23.1	22.8	21.8	**23.7**	**22.8**
Oct 8	22.7	22.3	21.8	21.7	22.1	21.6	22.1	21.8	21.9	22.3	**23.7**	23.3	23.3	23.0	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	21.6	**23.7**	NA
Oct 9	**P**	**P**	**P**	**P**	**P**	**P**	**P**	22.4	22.2	22.0	22.7	23.1	23.4	23.4	23.6	23.2	23.2	23.4	22.2	22.0	21.9	21.9	22.2	22.2	21.9	23.6	NA
Oct 10	22.3	22.4	22.3	22.2	22.4	22.3	22.2	22.2	22.4	22.0	22.0	22.5	22.7	23.2	23.6	23.1	23.3	23.3	22.8	21.6	22.2	22.5	22.3	22.2	21.6	23.6	22.5
Oct 11	22.0	22.4	22.3	22.2	21.9	22.4	22.1	22.5	22.1	21.9	22.5	23.2	23.1	22.8	22.3	22.9	23.2	23.0	21.7	22.3	22.2	22.4	22.2	22.5	21.7	23.2	22.4
Oct 12	22.4	22.3	22.4	22.5	22.5	22.5	22.5	22.5	22.6	22.2	22.5	22.8	23.3	23.0	23.1	23.1	23.2	23.3	22.3	21.8	22.0	21.7	22.1	21.7	21.7	23.3	22.5
Oct 13	22.2	21.9	22.0	22.0	21.8	21.8	22.0	21.9	22.0	21.8	22.8	23.6	22.9	22.6	22.3	22.3	22.6	23.1	23.3	23.6	23.6	23.6	23.5	23.4	21.8	23.6	22.6
Oct 14	23.2	22.9	22.5	22.5	22.3	21.9	21.6	21.7	21.6	21.7	22.5	23.6	23.6	23.4	23.4	23.4	23.5	23.6	23.5	**23.7**	23.0	22.4	21.9	21.9	21.6	**23.7**	22.7
Oct 15	21.9	21.9	22.1	22.2	22.2	22.3	22.1	22.4	22.5	22.3	22.1	22.6	23.2	23.4	23.1	23.3	23.1	23.2	22.1	21.9	21.8	22.3	22.3	22.3	21.8	23.4	22.4
Oct 16	22.3	22.2	22.3	22.3	22.4	22.3	22.5	22.3	22.3	22.2	21.8	22.0	21.8	22.3	22.9	23.4	22.8	22.1	21.9	22.2	21.9	22.2	21.7	21.9	21.7	23.4	22.3
Oct 17	22.5	22.3	22.2	22.0	22.5	22.3	22.2	21.9	22.5	22.3	22.2	22.2	21.8	21.6	21.9	21.9	22.0	22.0	22.2	22.4	22.1	22.0	22.1	22.2	21.6	22.5	22.1
Oct 18	22.4	22.2	22.4	22.3	22.4	22.5	22.4	22.3	22.5	22.4	22.0	22.1	21.8	21.6	21.9	21.9	22.2	21.9	22.3	22.2	22.2	21.7	22.0	22.2	21.6	22.5	22.2
Oct 19	22.0	22.6	22.3	22.3	22.3	22.2	22.2	22.3	22.3	22.1	22.0	21.9	21.9	21.9	21.5	21.9	21.9	21.8	22.2	22.2	22.3	22.3	22.2	22.3	21.5	22.6	22.1
Oct 20	22.2	22.2	22.3	22.2	22.2	22.3	22.2	22.2	22.1	22.2	22.2	22.2	22.0	21.9	21.9	22.2	22.2	22.1	22.3	22.2	22.3	22.3	22.3	22.2	21.9	22.3	22.2
Oct 21	22.3	22.4	22.4	22.4	22.3	22.2	22.2	22.3	22.4	22.4	22.3	22.3	22.1	22.3	22.0	22.4	22.2	22.1	22.5	22.4	22.5	22.4	22.4	22.4	22.0	22.5	22.3
Oct 22	22.4	22.4	22.4	22.5	22.5	22.5	22.7	22.5	22.6	22.5	22.4	22.0	22.0	22.0	22.1	22.2	22.2	22.1	22.2	22.2	22.3	22.1	22.1	22.3	22.0	22.7	22.3
Oct 23	22.2	22.1	22.4	22.1	22.4	22.2	22.3	22.1	22.5	22.3	21.8	22.0	21.7	22.0	21.8	21.8	21.8	22.0	22.3	22.2	22.1	22.0	22.0	22.5	21.7	22.5	22.1
Oct 24	22.3	22.1	22.0	22.4	22.3	22.0	22.4	22.4	22.2	22.0	21.9	22.0	21.8	21.6	21.7	21.4	21.7	21.9	22.2	22.2	22.3	22.2	22.4	22.4	21.4	22.4	22.1
Oct 25	22.3	22.3	22.4	22.4	22.4	22.4	22.5	22.6	22.6	22.6	22.2	21.8	21.5	21.5	21.6	21.5	21.6	22.1	22.3	22.4	22.6	22.6	22.4	22.4	21.5	22.6	22.2
Oct 26	22.6	22.5	22.4	22.4	22.3	22.3	22.5	22.4	22.3	22.3	22.2	22.2	22.2	22.1	22.2	22.1	22.2	22.2	22.2	22.3	22.3	22.3	22.1	22.5	22.1	22.6	22.3
Oct 27	22.2	22.4	22.2	22.4	22.2	22.3	22.2	22.2	22.3	22.3	21.7	21.8	22.1	22.2	22.1	22.2	22.2	22.1	22.4	22.4	22.6	22.3	22.1	21.9	21.7	22.6	22.2
Oct 28	22.5	22.3	22.2	22.0	22.5	22.2	22.0	22.5	22.1	22.4	22.3	22.2	22.0	21.8	22.2	22.2	22.2	22.0	22.4	22.3	22.2	22.1	22.4	22.4	21.8	22.5	22.2
Oct 29	22.3	22.5	22.6	22.6	22.8	22.7	22.8	22.7	22.8	22.7	22.4	22.2	22.2	22.2	22.2	21.5	22.0	22.1	22.4	22.2	22.2	22.3	22.2	22.5	21.5	22.8	22.4
Oct 30	22.3	22.1	22.2	22.3	22.1	22.4	22.2	22.4	22.2	22.5	22.3	22.0	21.5	21.8	21.7	21.8	22.0	22.2	22.1	22.4	22.3	22.4	22.4	22.5	21.5	22.5	22.2
Oct 31	22.4	22.4	22.4	22.3	22.4	22.4	22.2	22.3	22.4	22.3	22.0	22.3	22.2	21.9	22.2	22.3	22.3	22.1	22.2	22.3	22.2	22.3	22.3	22.2	21.9	22.4	22.3
Diurnal Maximum	23.2	22.9	22.6	22.6	22.8	22.7	22.8	22.7	22.8	22.8	23.7	23.6	23.6	23.4	23.6	23.4	23.5	23.6	23.6	23.7	23.6	23.6	23.5	23.4			
Diurnal Average	22.3	22.2	22.3	22.3	22.3	22.2	22.2	22.2	22.3	22.3	22.3	22.4	22.3	22.4	22.4	22.4	22.4	22.5	22.4	22.3	22.3	22.3	22.2	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

842-B Station - October 2024

Summary of Hourly Averages

PRECIPITATION in mm

Maximum Hourly Value:	0.9	mm	on Oct 4 at hr 17	Hours in Service:	744	
Maximum Daily Value:	4.1	mm	on Oct 4	Hours of Data:	727	
Minimum Hourly Value:	0.0	mm	on Oct 1 at hr 0	Hours of Missing Data:	17	
Minimum Daily Value:	0.0	mm	on Oct 2	Hours of Calibration:	0	
Monthly Total:	9.8	mm		Operational Uptime:	97.7	

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			
Oct 1	0	0	0	0	0.2	0.4	0.4	0.4	0.1	0.2	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0.0	0.4	1.8
Oct 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
Oct 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8	0.8	0.5	**0.9**	0.4	0.3	0.1	0	0	0	0.0	**0.9**	**4.1**
Oct 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
Oct 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
Oct 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
Oct 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	0.0	0.0	NA
Oct 9	P	P	P	P	P	P	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	NA
Oct 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
Oct 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
Oct 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
Oct 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
Oct 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0	0	0	0.0	0.3	0.5
Oct 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
Oct 16	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0.3	0.5	0	0	0	0	0.0	0.5	0.9
Oct 17	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.2
Oct 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
Oct 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	0.2	0.0	0.3	0.6
Oct 20	0.3	0.2	0	0	0	0	0.2	0.1	0.3	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0	0.1	0	0	0.0	0.3	1.5
Oct 21	0	0	0.1	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 31	0	0	0	0	0	0	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	0.3	0.2	0.1	0.0	0.2	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.8	0.8	0.5	0.9	0.4	0.5	0.3	0.1	0.3	0.2			
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.
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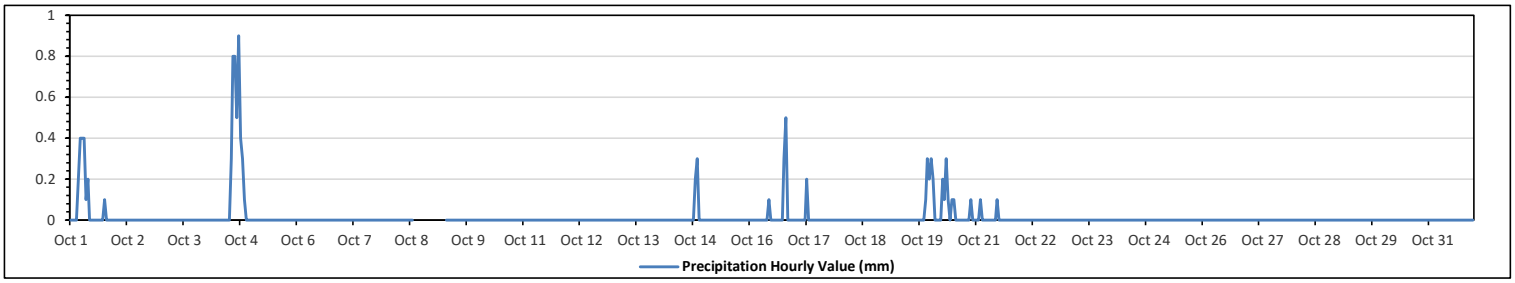

Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr

Maximum Hourly Value:	22.6	kph	on Oct 7 at hr 11	Hours in Service:	744
Maximum Daily Value:	17.3	kph	on Oct 22	Hours of Data:	727
Minimum Hourly Value:	0.2	kph	on Oct 13 at hr 23	Hours of Missing Data:	17
Minimum Daily Value:	5.1	kph	on Oct 4	Hours of Calibration:	0
Monthly Average:	3.8	kph		Operational Uptime:	97.7

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			
Oct 1	9.6	12.1	16.6	14.2	10.0	9.8	6.5	2.9	2.2	1.8	3.4	4.3	5.0	6.3	7.2	5.7	6.6	8.1	7.4	7.0	7.9	6.8	6.0	5.6	1.8	16.6	7.2
Oct 2	5.0	4.1	3.1	3.0	3.1	3.0	3.0	1.9	4.1	7.3	9.2	9.2	8.6	8.9	11.3	11.0	8.5	4.7	3.2	2.3	5.9	5.9	6.4	5.9	1.9	11.3	5.8
Oct 3	4.0	2.4	1.3	2.8	2.5	1.7	1.9	2.3	6.4	11.7	14.3	12.4	12.9	13.3	11.7	10.6	10.9	7.6	6.4	4.1	3.9	3.9	4.1	4.1	1.3	14.3	6.6
Oct 4	3.3	3.8	2.9	5.5	7.5	7.4	7.3	6.7	4.7	5.8	4.5	5.6	5.2	4.3	2.2	4.0	3.6	2.5	4.3	6.1	4.8	5.0	7.6	8.2	2.2	8.2	**5.1**
Oct 5	6.9	5.8	6.5	5.2	4.9	5.8	5.1	4.7	11.7	13.7	14.9	15.9	16.0	17.1	21.2	22.3	21.1	15.3	14.3	17.2	13.9	16.9	17.2	15.5	4.7	22.3	12.9
Oct 6	14.4	14.1	11.0	9.3	8.1	8.4	6.2	5.4	8.1	11.2	13.4	14.0	14.4	13.6	12.9	13.1	9.7	5.3	4.6	10.4	11.0	11.8	11.1	11.6	4.6	14.4	10.5
Oct 7	11.7	6.2	5.9	8.1	9.3	12.1	11.7	9.2	11.5	17.7	20.4	**22.6**	18.5	17.4	17.9	13.4	13.9	13.3	12.2	12.6	10.7	4.1	4.3	8.4	4.1	**22.6**	12.2
Oct 8	8.3	4.1	4.6	7.8	5.9	6.3	6.0	7.1	6.9	6.7	7.3	11.6	13.4	15.6	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	4.1	15.6	NA
Oct 9	**P**	**P**	**P**	**P**	**P**	**P**	**P**	5.7	6.8	7.4	7.6	10.2	12.0	8.4	8.6	9.8	10.8	6.0	4.6	2.0	2.6	8.1	7.6	4.2	2.0	12.0	NA
Oct 10	6.0	7.5	3.4	6.6	5.4	7.6	11.4	11.9	9.4	14.4	14.6	12.2	15.1	20.6	18.0	18.0	17.1	10.1	4.0	4.1	1.5	3.5	9.2	6.5	1.5	20.6	9.9
Oct 11	7.5	8.8	7.9	7.8	7.8	6.9	6.8	7.4	7.6	7.4	12.7	12.5	13.7	12.1	12.7	12.4	13.2	6.8	4.5	3.6	3.2	0.4	0.6	1.5	0.4	13.7	7.7
Oct 12	1.9	3.4	2.4	2.3	2.9	2.3	1.9	1.4	1.0	1.5	5.5	6.9	7.8	10.3	11.8	10.7	9.0	4.5	6.5	9.8	10.7	6.4	5.9	7.0	1.0	11.8	5.6
Oct 13	7.8	8.3	8.0	9.1	11.7	9.8	10.1	8.5	10.8	18.7	16.7	11.1	9.1	10.7	9.6	10.8	9.1	6.0	8.2	6.6	6.0	4.3	1.1	**0.2**	**0.2**	18.7	8.8
Oct 14	0.8	1.2	5.3	7.1	5.3	7.3	5.5	4.1	6.5	8.5	11.1	11.7	9.2	9.3	7.3	6.1	6.5	8.0	10.0	12.9	11.1	10.9	14.0	14.4	0.8	14.4	8.1
Oct 15	11.6	10.3	12.3	11.3	9.6	7.1	5.9	5.4	8.2	11.1	10.8	12.9	13.2	14.1	15.5	15.1	11.8	6.2	6.9	8.1	7.5	1.1	4.8	7.2	1.1	15.5	9.5
Oct 16	7.7	6.0	5.2	5.2	4.7	4.8	5.9	4.0	4.0	5.9	7.7	9.5	10.9	9.6	7.7	10.1	8.0	8.9	14.3	7.5	8.7	11.0	10.7	10.0	4.0	14.3	7.8
Oct 17	11.6	13.8	11.7	8.7	9.8	9.2	7.6	8.3	11.6	11.7	16.6	16.7	18.2	21.7	20.0	16.7	13.8	11.7	8.7	4.1	7.9	6.5	3.0	2.5	2.5	21.7	11.3
Oct 18	9.3	9.8	9.5	7.1	10.2	8.2	10.8	11.2	10.2	11.2	15.3	16.9	17.2	17.4	14.1	10.3	5.9	4.5	3.3	3.5	5.1	2.6	2.5	1.7	1.7	17.4	9.1
Oct 19	1.2	1.8	1.4	1.4	3.1	4.1	5.5	5.6	6.3	10.7	9.7	8.6	8.1	4.4	3.7	1.9	2.7	5.9	12.9	11.7	10.7	7.9	7.1	6.5	1.2	12.9	6.0
Oct 20	3.9	4.2	4.7	4.2	4.3	3.6	5.3	4.8	3.9	4.6	4.8	6.5	8.9	6.7	7.1	8.0	9.2	10.2	12.1	11.7	10.8	10.8	11.5	10.4	3.6	12.1	7.2
Oct 21	9.8	9.4	9.1	10.0	9.2	9.1	6.0	8.6	8.1	6.2	5.6	3.4	6.6	7.4	5.7	2.3	1.7	3.6	6.5	8.4	9.8	10.2	13.0	14.4	1.7	14.4	7.7
Oct 22	13.6	15.3	14.0	12.9	13.3	14.5	15.5	12.8	14.8	17.4	19.6	20.0	20.7	21.3	19.2	18.7	21.1	17.9	20.1	20.3	19.6	17.6	17.1	16.8	12.8	21.3	**17.3**
Oct 23	17.8	18.0	15.5	11.9	15.3	10.4	11.2	10.7	11.4	15.0	13.9	16.5	15.8	15.2	18.6	18.3	17.9	14.9	18.1	16.1	14.3	12.2	11.5	12.2	10.4	18.6	14.7
Oct 24	13.1	14.9	14.5	7.8	5.6	5.7	4.5	7.0	9.8	10.1	16.6	17.1	18.0	18.3	19.0	15.0	13.7	9.6	10.1	7.8	7.8	8.5	8.5	9.7	4.5	19.0	11.4
Oct 25	8.5	10.9	8.2	9.1	10.0	6.8	3.1	4.7	4.6	2.8	8.6	8.2	9.1	8.6	8.0	9.7	6.9	1.8	3.0	5.1	3.9	3.7	4.0	5.4	1.8	10.9	6.4
Oct 26	6.6	8.1	8.5	9.1	9.6	9.3	9.4	9.1	12.1	15.1	14.9	12.9	14.2	11.3	8.0	5.1	3.3	4.6	5.1	4.6	3.6	5.6	7.9	5.7	3.3	15.1	8.5
Oct 27	5.1	5.7	5.1	6.0	7.2	6.3	5.9	4.7	2.6	3.1	4.4	2.3	8.0	8.7	7.2	7.1	7.8	4.4	2.5	1.8	3.9	5.5	5.0	7.2	1.8	8.7	5.3
Oct 28	7.2	8.1	9.5	5.4	5.8	5.4	2.8	5.1	5.9	8.0	8.3	8.8	8.8	6.5	6.6	6.8	6.9	5.9	4.5	6.5	7.0	7.2	6.6	2.7	2.7	9.5	6.5
Oct 29	4.9	2.9	3.1	0.9	0.8	1.7	3.0	7.3	9.3	8.4	11.7	10.9	14.7	13.2	11.3	11.9	8.0	6.8	6.0	6.2	5.9	2.7	2.5	5.0	0.8	14.7	6.6
Oct 30	5.3	4.0	2.8	0.8	2.2	4.2	5.0	4.2	5.0	6.2	5.8	6.7	8.6	9.6	10.0	10.1	8.9	9.1	11.4	10.9	10.1	9.2	11.2	10.2	0.8	11.4	7.1
Oct 31	9.6	8.9	8.8	6.2	7.0	7.2	6.1	7.5	7.4	8.7	7.4	5.9	6.2	5.8	3.9	4.8	3.9	3.9	5.0	3.4	3.9	4.1	4.0	2.7	2.7	9.6	5.9
Diurnal Maximum	17.8	18.0	16.6	14.2	15.3	14.5	15.5	12.8	14.8	18.7	20.4	22.6	20.7	21.7	21.2	22.3	21.1	17.9	20.1	20.3	19.6	17.6	17.2	16.8			
Diurnal Average	7.8	7.8	7.4	6.9	7.1	6.9	6.6	6.5	7.5	9.4	10.9	11.1	11.9	11.9	11.3	10.7	9.7	7.6	8.0	7.9	7.8	7.1	7.5	7.4			

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

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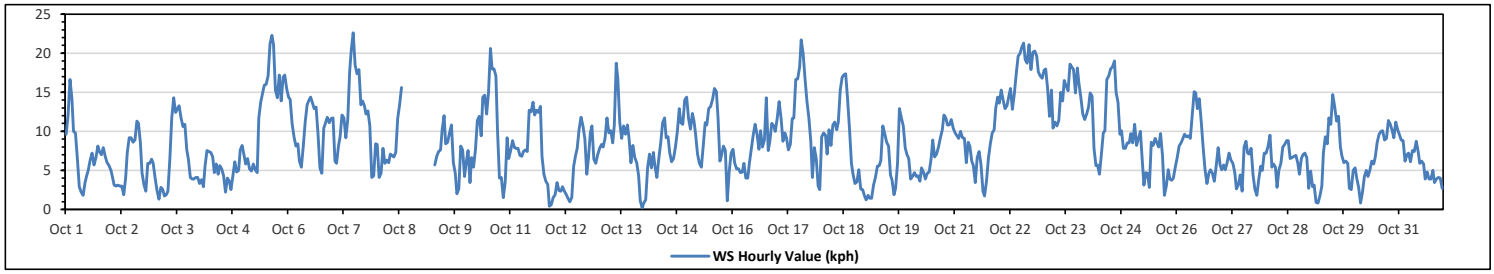
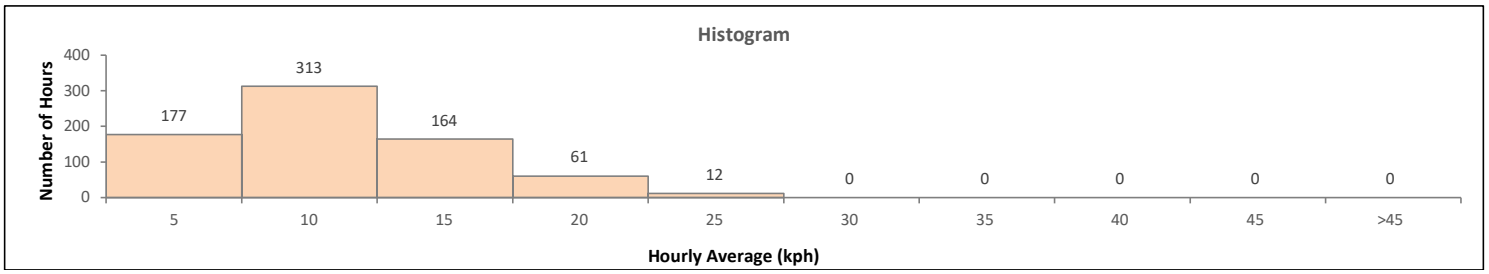


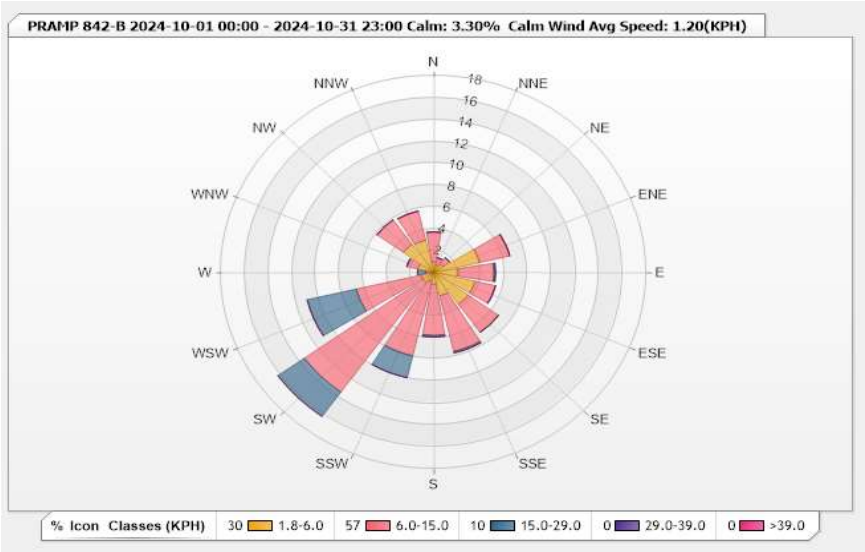


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 10-2024

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

Calm (WS<1.8kph): 3.30% Valid Data: 97.72%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	0.96	2.75	0	0	0	3.71
NNE	0.69	0.69	0	0	0	1.38
NE	0.96	0.69	0	0	0	1.65
ENE	3.99	2.61	0	0	0	6.6
E	2.06	3.03	0.14	0	0	5.23
ESE	3.58	1.79	0	0	0	5.37
SE	3.58	3.16	0	0	0	6.74
SSE	2.2	5.23	0.14	0	0	7.57
S	1.1	4.68	0.14	0	0	5.92
SSW	0.83	7.02	2.06	0	0	9.91
SW	1.1	12.38	2.75	0	0	16.23
WSW	1.1	5.64	4.26	0	0	11
W	0.28	0.41	0.69	0	0	1.38
WNW	1.38	0.96	0	0	0	2.34
NW	3.16	2.75	0	0	0	5.91
NNW	3.03	2.75	0	0	0	5.78
Summary	30	56.54	10.18	0	0	96.72



Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

WIND DIRECTION (VWD) in sector

Monthly Average:	215 (SSW)	degree	
Hours in Service:	744		
Hours of Data:	727		
Hours of Missing Data:	17		
Hours of Calibration:	0		
Operational Uptime:	97.7		

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
Oct 1	SW	SW	SW	SW	SW	SW	WSW	WSW	W	WNW	NW	NW	NW	NW	NNW	N	N	N	N	N	NNW	N	NNW	NNW	288	WNW
Oct 2	NNW	NW	NNW	NW	NW	NW	NNW	N	NNW	NW	NNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	317	NW
Oct 3	NW	WNW	WSW	WSW	WSW	W	WSW	S	SSW	SSW	SW	SW	SW	SSW	SW	SW	SSW	SSW	S	SSE	ESE	SE	ESE	E	214	SSW
Oct 4	ESE	E	ENE	ENE	E	E	ENE	ENE	NNE	NE	ENE	E	NE	ENE	NE	NNE	NNE	NNW	NW	NW	NNW	NW	WNW	WNW	35	NE
Oct 5	NW	WNW	WNW	WNW	W	WSW	SW	S	SW	SW	SSW	SW	SW	SW	SW	SW	WSW	SW	SW	SSW	SW	SW	WSW	WSW	235	SW
Oct 6	WSW	WSW	SW	SW	SW	WSW	SW	SSW	SW	WSW	SW	SW	SW	SW	WSW	SW	SW	SSW	SSE	SSE	SSE	SSE	SE	SSE	217	SW
Oct 7	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SE	SSE	190	S
Oct 8	SSE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	S	WNW	W	P	P	P	P	P	P	P	P	P	P	NA	NA
Oct 9	P	P	P	P	P	P	P	S	S	S	SSW	SW	SSW	SW	SW	SW	SSW	S	SE	SSE	S	S	S	SSE	NA	NA
Oct 10	SSE	SSE	S	SSW	S	S	SSW	SSW	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SW	S	SSW	SW	SSW	227	SW
Oct 11	SSE	S	S	S	SSE	SSE	SSE	SSE	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SW	SW	SSE	SSE	SW	213	SSW
Oct 12	SE	ESE	ESE	E	ENE	ENE	ENE	NE	E	SE	SE	SE	SE	SSE	SSE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE	130	SE
Oct 13	ESE	ESE	SE	SSE	SE	SE	SSE	SE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSE	SE	SE	SE	SE	SE	NNW	WNW	160	SSE
Oct 14	NE	ESE	ESE	ESE	SE	ESE	ESE	E	SE	SE	SSE	S	S	SSW	SSW	SSW	SW	SW	S	SW	SSW	SSW	SSW	SW	185	S
Oct 15	SW	SW	SW	SSW	SSW	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SW	SSW	SW	SSW	S	SSE	SSE	SSE	SE	ESE	199	SSW
Oct 16	ESE	SE	SE	ESE	ENE	ENE	ENE	ENE	ESE	SE	SE	ESE	ESE	ESE	SE	S	SSW	SW	WSW	SW	SW	SW	SW	SW	164	SSE
Oct 17	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	SW	S	248	WSW
Oct 18	SSW	S	S	SSE	S	SSE	S	S	S	S	SSW	SW	SW	SW	SSW	SSW	SSE	SE	ESE	ESE	ESE	SE	ENE	E	189	S
Oct 19	S	SW	E	ESE	SE	SE	SE	SSE	S	SSW	SSW	SW	SW	WNW	NW	NNW	NNE	N	NNW	N	N	N	N	N	308	NW
Oct 20	N	NW	N	NNE	ENE	ENE	E	ESE	E	ENE	NE	NNE	NNE	NNE	N	N	NNW	N	N	N	NNW	NNW	NNW	NNW	8	N
Oct 21	NNW	NNW	NNW	NNW	N	NNE	N	NNW	N	NNE	NE	NNW	NW	NW	NW	WNW	E	S	S	SSW	SW	SW	SW	SW	312	NW
Oct 22	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	219	SW
Oct 23	WSW	WSW	WSW	W	W	SW	SW	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	245	WSW
Oct 24	SW	SW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	240	WSW
Oct 25	SW	SW	SW	WSW	WSW	WSW	S	SE	SE	SSW	SW	SW	SW	SSW	SW	SW	SSW	ESE	ENE	ENE	ENE	ENE	ENE	ENE	214	SSW
Oct 26	ENE	E	E	E	E	ENE	ENE	ENE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE	90	E
Oct 27	SE	ENE	NE	NE	NE	ENE	ENE	ENE	NNW	NNE	NW	NNW	NW	WNW	WNW	WSW	W	W	WNW	NW	WNW	WNW	NNW	N	342	NNW
Oct 28	NNW	WNW	NW	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNW	NW	NW	NNW	NW	NNW	NW	NW	NNW	328	NNW
Oct 29	NW	NW	NW	NW	SE	ESE	ESE	SE	SSE	SSE	S	S	SSW	SSW	SSW	SW	SW	S	SSE	SSE	SSE	SE	SE	SSE	187	S
Oct 30	SSE	SE	SE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	71	ENE
Oct 31	ENE	E	E	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	ESE	91	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)			

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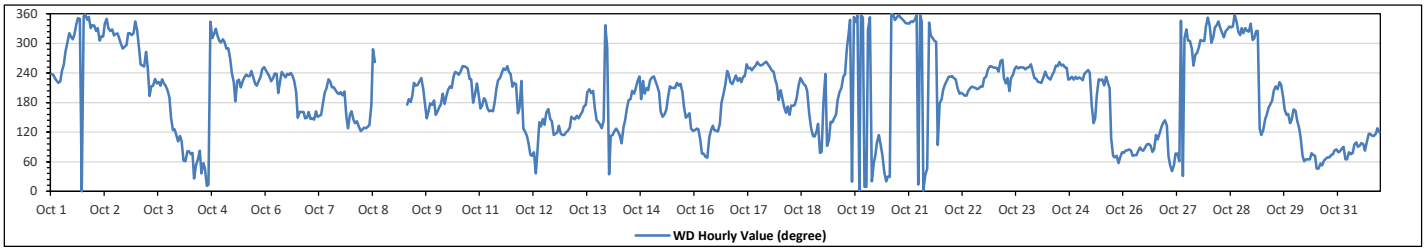
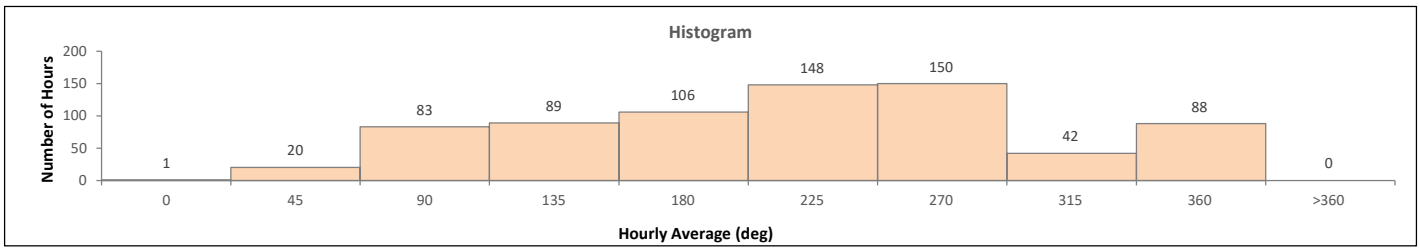




Peace River Area Monitoring Program

842-B Station - October 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	22.6	kph	on Oct 7 at hr 11	Hours in Service:	744
Maximum Daily Value:	17.3	kph	on Oct 22	Hours of Data:	727
Minimum Hourly Value:	0.2	kph	on Oct 13 at hr 23	Hours of Missing Data:	17
Minimum Daily Value:	5.1	kph	on Oct 4	Hours of Calibration:	0
Monthly Average:	3.8	kph		Operational Uptime:	97.7

WIND DIRECTION

Monthly Average: 215 degree (SSW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	9.6	12.1	16.6	14.2	10.0	9.8	6.5	2.9	2.2	1.8	3.4	4.3	5.0	6.3	7.2	5.7	6.6	8.1	7.4	7.0	7.9	6.8	6.0	5.6	1.8	16.6	7.2
	SW	SW	SW	SW	SW	SW	WSW	WSW	W	WNW	NW	NW	NW	NW	NNW	N	N	N	N	N	NNW	N	NNW	NNW			288(WNW)
Oct 2	5.0	4.1	3.1	3.0	3.1	3.0	3.0	1.9	4.1	7.3	9.2	9.2	8.6	8.9	11.3	11.0	8.5	4.7	3.2	2.3	5.9	5.9	6.4	5.9	1.9	11.3	5.8
	NNW	NW	NNW	NW	NW	NW	NNW	N	NNW	NW	NNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW			317(NW)
Oct 3	4.0	2.4	1.3	2.8	2.5	1.7	1.9	2.3	6.4	11.7	14.3	12.4	12.9	13.3	11.7	10.6	10.9	7.6	6.4	4.1	3.9	3.9	4.1	4.1	1.3	14.3	6.6
	NW	WNW	WSW	WSW	WSW	W	WSW	S	SSW	SSW	SW	SW	SW	SSW	SW	SW	SSW	SSW	S	SSE	ESE	SE	ESE	E			214(SSW)
Oct 4	3.3	3.8	2.9	5.5	7.5	7.4	7.3	6.7	4.7	5.8	4.5	5.6	5.2	4.3	2.2	4.0	3.6	2.5	4.3	6.1	4.8	5.0	7.6	8.2	2.2	8.2	**5.1**
	ESE	E	ENE	ENE	E	E	ENE	ENE	NNE	NE	ENE	E	NE	ENE	NE	NNE	NNE	NNW	NW	NW	NNW	NW	WNW	WNW			35(NE)
Oct 5	6.9	5.8	6.5	5.2	4.9	5.8	5.1	4.7	11.7	13.7	14.9	15.9	16.0	17.1	21.2	22.3	21.1	15.3	14.3	17.2	13.9	16.9	17.2	15.5	4.7	22.3	12.9
	NW	WNW	WNW	WNW	W	WSW	SW	S	SW	SW	SSW	SW	SW	SW	SW	SW	WSW	SW	SW	SSW	SW	SW	WSW	WSW			235(SW)
Oct 6	14.4	14.1	11.0	9.3	8.1	8.4	6.2	5.4	8.1	11.2	13.4	14.0	14.4	13.6	12.9	13.1	9.7	5.3	4.6	10.4	11.0	11.8	11.1	11.6	4.6	14.4	10.5
	WSW	WSW	SW	SW	SW	WSW	SW	SSW	SW	WSW	SW	SW	SW	SW	WSW	SW	SW	SSW	SSE	SSE	SSE	SSE	SE	SSE			217(SW)
Oct 7	11.7	6.2	5.9	8.1	9.3	12.1	11.7	9.2	11.5	17.7	20.4	**22.6**	18.5	17.4	17.9	13.4	13.9	13.3	12.2	12.6	10.7	4.1	4.3	8.4	4.1	**22.6**	12.2
	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSE	SE	SSE			190(S)
Oct 8	8.3	4.1	4.6	7.8	5.9	6.3	6.0	7.1	6.9	6.7	7.3	11.6	13.4	15.6	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	4.1	15.6	NA
	SSE	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	S	WNW	W	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**			NA(NA)
Oct 9	**P**	**P**	**P**	**P**	**P**	**P**	**P**	5.7	6.8	7.4	7.6	10.2	12.0	8.4	8.6	9.8	10.8	6.0	4.6	2.0	2.6	8.1	7.6	4.2	2.0	12.0	NA
	P	**P**	**P**	**P**	**P**	**P**	**P**	S	S	S	SSW	SW	SSW	SW	SW	SW	SSW	S	SE	SSE	S	S	S	SSE			NA(NA)
Oct 10	6.0	7.5	3.4	6.6	5.4	7.6	11.4	11.9	9.4	14.4	14.6	12.2	15.1	20.6	18.0	18.0	17.1	10.1	4.0	4.1	1.5	3.5	9.2	6.5	1.5	20.6	9.9
	SSE	SSE	S	SSW	S	S	SSW	SSW	SSW	SW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SW	S	SSW	SW	SSW			227(SW)
Oct 11	7.5	8.8	7.9	7.8	7.8	6.9	6.8	7.4	7.6	7.4	12.7	12.5	13.7	12.1	12.7	12.4	13.2	6.8	4.5	3.6	3.2	0.4	0.6	1.5	0.4	13.7	7.7
	SSE	S	S	S	SSE	SSE	SSE	SSE	S	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SW	SW	SSE	SSE	SW			213(SSW)
Oct 12	1.9	3.4	2.4	2.3	2.9	2.3	1.9	1.4	1.0	1.5	5.5	6.9	7.8	10.3	11.8	10.7	9.0	4.5	6.5	9.8	10.7	6.4	5.9	7.0	1.0	11.8	5.6
	SE	ESE	ESE	E	ENE	ENE	ENE	NE	E	SE	SE	SE	SE	SSE	SSE	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	ESE			130(SE)
Oct 13	7.8	8.3	8.0	9.1	11.7	9.8	10.1	8.5	10.8	18.7	16.7	11.1	9.1	10.7	9.6	10.8	9.1	6.0	8.2	6.6	6.0	4.3	1.1	**0.2**	**0.2**	18.7	8.8
	ESE	ESE	SE	SSE	SE	SE	SSE	SE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SSE	SE	SE	SE	SE	SE	NNW	WNW			160(SSE)
Oct 14	0.8	1.2	5.3	7.1	5.3	7.3	5.5	4.1	6.5	8.5	11.1	11.7	9.2	9.3	7.3	6.1	6.5	8.0	10.0	12.9	11.1	10.9	14.0	14.4	0.8	14.4	8.1
	NE	ESE	ESE	ESE	SE	ESE	ESE	E	SE	SE	SSE	S	S	SSW	SSW	SSW	SW	SW	S	SW	SSW	SSW	SSW	SW			185(S)
Oct 15	11.6	10.3	12.3	11.3	9.6	7.1	5.9	5.4	8.2	11.1	10.8	12.9	13.2	14.1	15.5	15.1	11.8	6.2	6.9	8.1	7.5	1.1	4.8	7.2	1.1	15.5	9.5
	SW	SW	SW	SSW	SSW	SSE	SSE	SSE	SSE	S	SSW	SSW	SSW	SSW	SW	SSW	SW	SSW	S	SSE	SSE	SSE	SE	ESE			199(SSW)
Oct 16	7.7	6.0	5.2	5.2	4.7	4.8	5.9	4.0	4.0	5.9	7.7	9.5	10.9	9.6	7.7	10.1	8.0	8.9	14.3	7.5	8.7	11.0	10.7	10.0	4.0	14.3	7.8
	ESE	SE	SE	ESE	ENE	ENE	ENE	ENE	ESE	ESE	SE	ESE	ESE	ESE	SE	S	SSW	SW	WSW	SW	SW	SW	SW	SW			164(SSE)
Oct 17	11.6	13.8	11.7	8.7	9.8	9.2	7.6	8.3	11.6	11.7	16.6	16.7	18.2	21.7	20.0	16.7	13.8	11.7	8.7	4.1	7.9	6.5	3.0	2.5	2.5	21.7	11.3
	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	SW	S			248(WSW)
Oct 18	9.3	9.8	9.5	7.1	10.2	8.2	10.8	11.2	10.2	11.2	15.3	16.9	17.2	17.4	14.1	10.3	5.9	4.5	3.3	3.5	5.1	2.6	2.5	1.7	1.7	17.4	9.1
	SSW	S	S	SSE	S	SSE	S	S	S	S	SSW	SW	SW	SW	SSW	SSW	SSE	SE	ESE	ESE	ESE	SE	ENE	E			189(S)
Oct 19	1.2	1.8	1.4	1.4	3.1	4.1	5.5	5.6	6.3	10.7	9.7	8.6	8.1	4.4	3.7	1.9	2.7	5.9	12.9	11.7	10.7	7.9	7.1	6.5	1.2	12.9	6.0
	S	SW	E	ESE	SE	SE	SE	SSE	S	SSW	SSW	SW	SW	WNW	NW	NNW	NNE	N	NNW	N	N	N	N	N			308(NW)
Oct 20	3.9	4.2	4.7	4.2	4.3	3.6	5.3	4.8	3.9	4.6	4.8	6.5	8.9	6.7	7.1	8.0	9.2	10.2	12.1	11.7	10.8	10.8	11.5	10.4	3.6	12.1	7.2
	N	NW	N	NNE	ENE	ENE	E	ESE	E	ENE	NE	NNE	NNE	NNE	N	N	NNW	N	N	N	NNW	NNW	NNW	NNW			8(N)
Oct 21	9.8	9.4	9.1	10.0	9.2	9.1	6.0	8.6	8.1	6.2	5.6	3.4	6.6	7.4	5.7	2.3	1.7	3.6	6.5	8.4	9.8	10.2	13.0	14.4	1.7	14.4	7.7
	NNW	NNW	NNW	NNW	N	NNE	N	NNW	N	NNE	NE	NNW	NW	NW	NW	WNW	E	S	S	SSW	SW	SW	SW	SW			312(NW)
Oct 22	13.6	15.3	14.0	12.9	13.3	14.5	15.5	12.8	14.8	17.4	19.6	20.0	20.7	21.3	19.2	18.7	21.1	17.9	20.1	20.3	19.6	17.6	17.1	16.8	12.8	21.3	**17.3**
	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW			219(SW)
Oct 23	17.8	18.0	15.5	11.9	15.3	10.4	11.2	10.7	11.4	15.0	13.9	16.5	15.8	15.2	18.6	18.3	17.9	14.9	18.1	16.1	14.3	12.2	11.5	12.2	10.4	18.6	14.7
	WSW	WSW	WSW	W	W	SW	SW	SW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW			245(WSW)
Oct 24	13.1	14.9	14.5	7.8	5.6	5.7	4.5	7.0	9.8	10.1	16.6	17.1	18.0	18.3	19.0	15.0	13.7	9.6	10.1	7.8	7.8	8.5	8.5	9.7	4.5	19.0	11.4
	SW	SW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW			240(WSW)
Oct 25	8.5	10.9	8.2	9.1	10.0	6.8	3.1	4.7	4.6	2.8	8.6	8.2	9.1	8.6	8.0	9.7	6.9	1.8	3.0	5.1	3.9	3.7	4.0	5.4	1.8	10.9	6.4
	SW	SW	SW	WSW	WSW	WSW	S	SE	SE	SSW	SW	SW	SW	SSW	SW	SW	SSW	ESE	ENE	ENE	ENE	ENE	ENE	ENE			214(SSW)
Oct 26	6.6	8.1	8.5	9.1	9.6	9.3	9.4	9.1	12.1	15.1	14.9	12.9	14.2	11.3	8.0	5.1	3.3	4.6	5.1	4.6	3.6	5.6	7.9	5.7	3.3	15.1	8.5
	ENE	E	E	E	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	SE	SE	SE			90(E)
Oct 27	5.1	5.7	5.1	6.0	7.2	6.3	5.9	4.7	2.6	3.1	4.4	2.3	8.0	8.7	7.2	7.1	7.8	4.4	2.5	1.8	3.9	5.5	5.0	7.2	1.8	8.7	5.3
	SE	ENE	NE	NE	NE	ENE	ENE	ENE	NNW	NNE	NW	NNW	NW	WNW	WNW	WSW	W	W	WNW	NW	WNW	WNW	NNW	N			342(NNW)
Oct 28	7.2	8.1	9.5	5.4	5.8	5.4	2.8	5.1	5.9	8.0	8.3	8.8	8.8	6.5	6.6	6.8	6.9	5.9	4.5	6.5	7.0	7.2	6.6	2.7	2.7	9.5	6.5
	NNW	WNW	NW	NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNW	NW	NW	NNW	NW	NNW	NW	NW	NNW			328(NNW)
Oct 29	4.9	2.9	3.1	0.9	0.8	1.7	3.0	7.3	9.3	8.4	11.7	10.9	14.7	13.2	11.3	11.9	8.0	6.8	6.0	6.2	5.9	2.7	2.5	5.0	0.8	14.7	6.6
	NW	NW	NW	NW	SE	ESE	ESE	SE	SSE	SSE	S	S	SSW	SSW	SSW	SW	SW	S	SSE	SSE	SSE	SE	SE	SSE			187(S)
Oct 30	5.3	4.0	2.8	0.8	2.2	4.2	5.0	4.2	5.0	6.2	5.8	6.7	8.6	9.6	10.0	10.1	8.9	9.1	11.4	10.9	10.1	9.2	11.2	10.2	0.8	11.4	7.1
	SSE	SE	SE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	E	E			71(ENE)
Oct 31	9.6	8.9	8.8	6.2	7.0	7.2	6.1	7.5	7.4	8.7	7.4	5.9	6.2	5.8	3.9	4.8	3.9	3.9	5.0	3.4	3.9	4.1	4.0	2.7	2.7	9.6	5.9
	ENE	E	E	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	ESE	SE	ESE			91(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 (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 - October 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

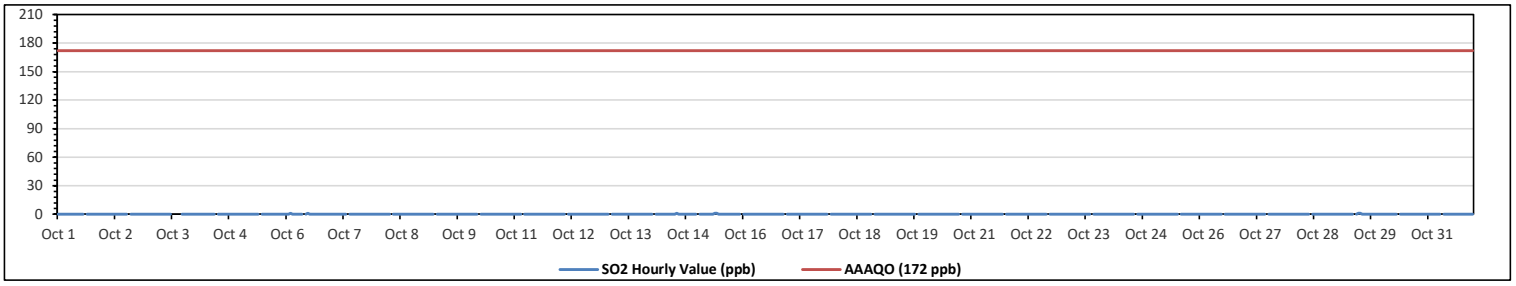
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

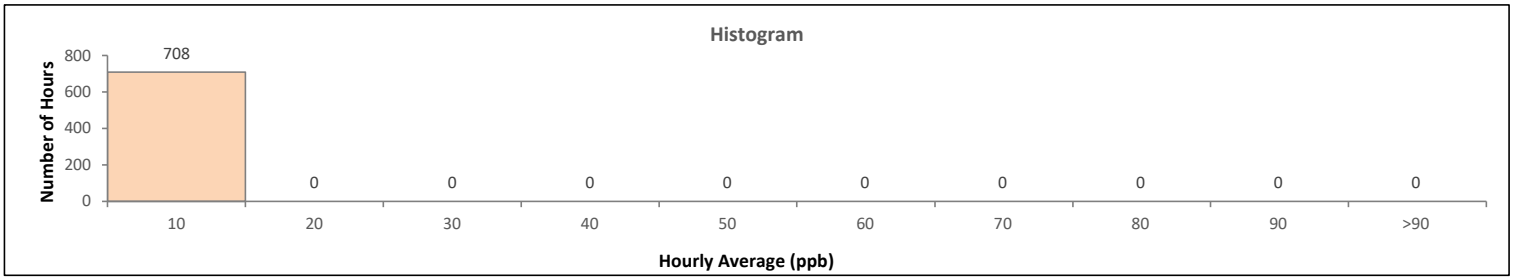
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	1	ppb	on Oct 6 at hr 2	Hours in Service:	744		
Maximum Daily Value:	0.1	ppb	on Oct 15	Hours of Data:	708		
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0		
Minimum Daily Value:	0.0	ppb	on Oct 1	Hours of Calibration:	36		
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			
Oct 1	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
Oct 2	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
Oct 3	0	0	0	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
Oct 4	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
Oct 5	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
Oct 6	0	0	1	0	0	0	0	0	0	S	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 7	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
Oct 8	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
Oct 9	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
Oct 10	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
Oct 11	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
Oct 12	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
Oct 13	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
Oct 14	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 15	S	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0.1
Oct 16	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
Oct 17	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
Oct 18	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
Oct 19	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
Oct 20	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
Oct 21	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
Oct 22	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
Oct 23	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
Oct 24	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
Oct 25	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
Oct 26	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
Oct 27	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
Oct 28	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
Oct 29	0	0	0	0	0	0	0	0	0	S	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 30	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
Oct 31	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
Diurnal Maximum	0	0	1	0	0	0	0	0	0	1	1	1	1	1	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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

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



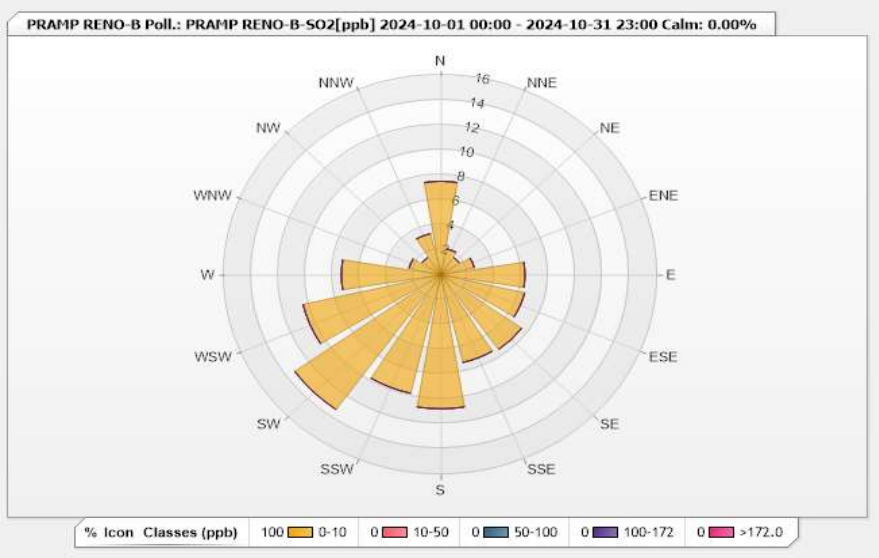


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	7.49	0	0	0	0	7.49
NNE	2.12	0	0	0	0	2.12
NE	1.69	0	0	0	0	1.69
ENE	2.54	0	0	0	0	2.54
E	6.21	0	0	0	0	6.21
ESE	6.36	0	0	0	0	6.36
SE	7.34	0	0	0	0	7.34
SSE	7.2	0	0	0	0	7.2
S	10.73	0	0	0	0	10.73
SSW	9.75	0	0	0	0	9.75
SW	13.28	0	0	0	0	13.28
WSW	10.45	0	0	0	0	10.45
W	7.34	0	0	0	0	7.34
WNW	2.4	0	0	0	0	2.4
NW	1.69	0	0	0	0	1.69
NNW	3.39	0	0	0	0	3.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

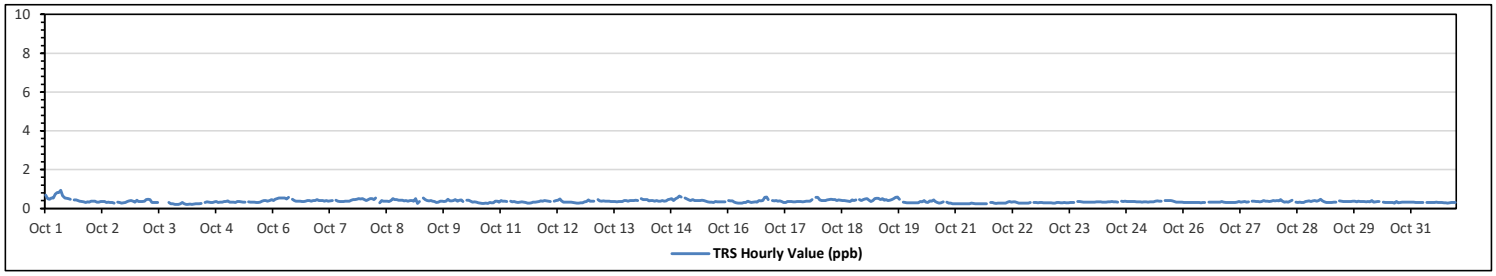
TOTAL REDUCED SULPHUR (TRS) in ppb

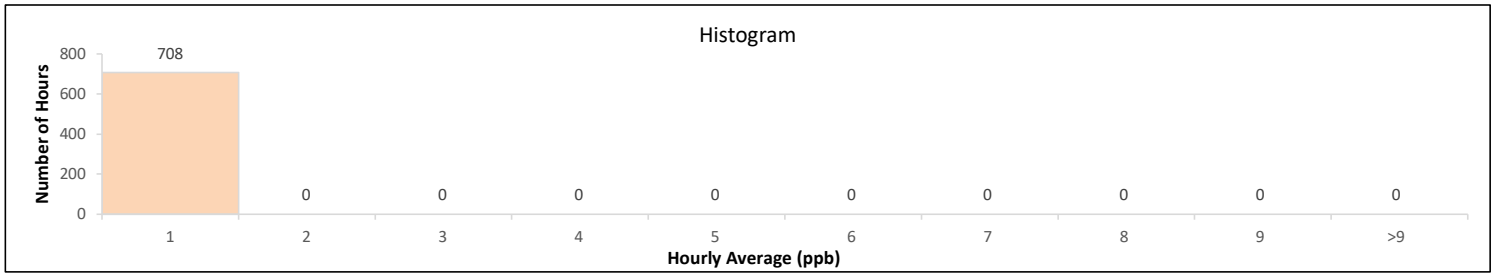
Maximum Hourly Value:	0.93	ppb	on Oct 1 at hr 8	Hours in Service:	744	
Maximum Daily Value:	0.52	ppb	on Oct 1	Hours of Data:	708	
Minimum Hourly Value:	0.21	ppb	on Oct 3 at hr 20	Hours of Missing Data:	0	
Minimum Daily Value:	0.25	ppb	on Oct 21	Hours of Calibration:	36	
Monthly Average:	0.36	ppb		Operational 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			
Oct 1	0.68	0.51	0.47	0.53	0.54	0.74	0.81	0.82	**0.93**	0.65	0.53	0.52	0.5	0.48	S	0.44	0.44	0.42	0.37	0.35	0.34	0.31	0.34	0.32	0.31	**0.93**	**0.52**
Oct 2	0.38	0.38	0.38	0.33	0.33	0.35	0.36	0.36	0.31	0.32	0.3	0.3	0.27	S	0.32	0.3	0.28	0.29	0.31	0.35	0.39	0.42	0.38	0.33	0.27	0.42	0.34
Oct 3	0.43	0.35	0.35	0.36	0.37	0.45	0.48	0.45	0.3	0.3	0.31	0.3	C	C	C	C	C	0.31	0.23	0.23	0.21	0.21	0.21	0.23	0.21	0.48	0.32
Oct 4	0.3	0.23	0.21	0.21	0.22	0.21	0.22	0.24	0.24	0.24	0.26	S	0.31	0.34	0.32	0.31	0.3	0.34	0.35	0.31	0.32	0.33	0.36	0.36	0.21	0.36	0.28
Oct 5	0.39	0.32	0.33	0.32	0.31	0.35	0.35	0.34	0.33	0.32	S	0.34	0.32	0.32	0.32	0.31	0.31	0.32	0.37	0.41	0.4	0.38	0.4	0.45	0.31	0.45	0.35
Oct 6	0.42	0.47	0.51	0.53	0.53	0.54	0.53	0.49	0.57	S	0.48	0.4	0.37	0.38	0.37	0.36	0.35	0.38	0.41	0.4	0.38	0.41	0.41	0.46	0.35	0.57	0.44
Oct 7	0.4	0.41	0.42	0.37	0.4	0.38	0.39	0.4	S	0.43	0.38	0.36	0.36	0.36	0.37	0.38	0.38	0.43	0.45	0.45	0.48	0.5	0.49	0.5	0.36	0.50	0.41
Oct 8	0.45	0.42	0.46	0.51	0.5	0.45	0.53	S	0.29	0.41	0.37	0.37	0.37	0.35	0.42	0.5	0.46	0.46	0.43	0.43	0.43	0.39	0.4	0.38	0.29	0.53	0.43
Oct 9	0.41	0.42	0.38	0.5	0.26	0.36	S	0.54	0.45	0.41	0.39	0.4	0.37	0.36	0.31	0.33	0.37	0.37	0.36	0.38	0.47	0.39	0.39	0.4	0.26	0.54	0.39
Oct 10	0.45	0.38	0.43	0.44	0.36	S	0.43	0.43	0.38	0.33	0.34	0.32	0.29	0.28	0.26	0.26	0.27	0.26	0.3	0.29	0.29	0.38	0.37	0.33	0.26	0.45	0.34
Oct 11	0.4	0.38	0.37	0.35	S	0.38	0.34	0.35	0.33	0.31	0.33	0.34	0.32	0.3	0.28	0.28	0.29	0.32	0.33	0.34	0.35	0.39	0.38	0.41	0.28	0.41	0.34
Oct 12	0.39	0.37	0.36	S	0.37	0.4	0.43	0.49	0.39	0.33	0.33	0.33	0.32	0.32	0.3	0.29	0.28	0.28	0.29	0.29	0.34	0.35	0.44	0.38	0.28	0.49	0.35
Oct 13	0.38	0.37	S	0.45	0.39	0.38	0.39	0.38	0.37	0.38	0.36	0.36	0.35	0.34	0.35	0.36	0.36	0.4	0.41	0.38	0.4	0.4	0.4	0.43	0.34	0.45	0.38
Oct 14	0.42	S	0.51	0.46	0.45	0.45	0.39	0.41	0.42	0.38	0.4	0.38	0.38	0.4	0.37	0.39	0.45	0.48	0.51	0.42	0.51	0.56	0.64	0.6	0.37	0.64	0.45
Oct 15	S	0.53	0.49	0.44	0.42	0.46	0.42	0.42	0.41	0.4	0.43	0.41	0.37	0.34	0.32	0.32	0.31	0.35	0.34	0.34	0.34	0.34	0.34	S	0.31	0.53	0.39
Oct 16	0.41	0.39	0.39	0.33	0.29	0.28	0.28	0.28	0.3	0.31	0.37	0.34	0.31	0.32	0.34	0.33	0.4	0.39	0.42	0.57	0.58	0.45	S	0.42	0.28	0.58	0.37
Oct 17	0.39	0.41	0.38	0.39	0.35	0.31	0.31	0.36	0.35	0.36	0.34	0.34	0.36	0.35	0.35	0.34	0.36	0.38	0.38	0.37	0.45	S	0.57	0.57	0.31	0.57	0.38
Oct 18	0.44	0.41	0.41	0.4	0.44	0.45	0.47	0.45	0.45	0.4	0.44	0.43	0.4	0.4	0.39	0.37	0.35	0.44	0.4	0.44	S	0.45	0.4	0.45	0.35	0.47	0.42
Oct 19	0.49	0.51	0.43	0.36	0.41	0.5	0.52	0.52	0.45	0.5	0.43	0.45	0.42	0.43	0.46	0.51	0.57	0.58	0.48	S	0.33	0.3	0.29	0.29	0.29	0.58	0.44
Oct 20	0.29	0.29	0.29	0.29	0.29	0.35	0.34	0.41	0.33	0.31	0.39	0.38	0.44	0.36	0.3	0.27	0.29	0.34	S	0.33	0.28	0.27	0.25	0.25	0.25	0.44	0.32
Oct 21	0.24	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.27	0.26	0.23	0.23	0.23	0.25	0.23	0.24	0.25	S	0.3	0.3	0.27	0.26	0.28	0.28	0.23	0.30	0.25
Oct 22	0.27	0.27	0.27	0.32	0.36	0.32	0.34	0.34	0.31	0.28	0.27	0.28	0.28	0.28	0.28	0.3	S	0.31	0.3	0.29	0.31	0.3	0.29	0.29	0.27	0.36	0.30
Oct 23	0.29	0.29	0.29	0.28	0.28	0.3	0.3	0.29	0.29	0.3	0.29	0.29	0.3	0.31	0.31	S	0.36	0.36	0.34	0.33	0.32	0.32	0.32	0.33	0.28	0.36	0.31
Oct 24	0.33	0.33	0.34	0.34	0.34	0.32	0.33	0.33	0.34	0.34	0.35	0.34	0.34	0.33	S	0.37	0.36	0.38	0.35	0.35	0.36	0.36	0.35	0.34	0.32	0.38	0.34
Oct 25	0.34	0.34	0.33	0.34	0.34	0.32	0.34	0.34	0.34	0.37	0.39	0.38	0.38	S	0.41	0.4	0.4	0.4	0.39	0.35	0.33	0.33	0.32	0.33	0.32	0.41	0.36
Oct 26	0.31	0.31	0.3	0.3	0.31	0.31	0.3	0.31	0.3	0.29	0.3	0.3	S	0.33	0.32	0.32	0.32	0.32	0.33	0.33	0.36	0.33	0.31	0.31	0.29	0.36	0.31
Oct 27	0.31	0.31	0.3	0.31	0.33	0.36	0.33	0.34	0.36	0.33	0.34	S	0.38	0.38	0.36	0.35	0.34	0.36	0.42	0.37	0.37	0.35	0.38	0.41	0.30	0.42	0.35
Oct 28	0.39	0.42	0.39	0.46	0.37	0.32	0.34	0.33	0.37	0.43	S	0.33	0.31	0.33	0.31	0.31	0.36	0.38	0.39	0.35	0.39	0.41	0.37	0.42	0.31	0.46	0.37
Oct 29	0.47	0.39	0.34	0.31	0.3	0.31	0.31	0.33	0.33	S	0.39	0.37	0.36	0.35	0.35	0.35	0.36	0.38	0.37	0.34	0.38	0.35	0.36	0.35	0.30	0.47	0.35
Oct 30	0.34	0.35	0.34	0.42	0.33	0.34	0.35	0.35	S	0.33	0.3	0.31	0.3	0.3	0.3	0.28	0.35	0.29	0.3	0.32	0.32	0.32	0.33	0.33	0.28	0.42	0.33
Oct 31	0.33	0.33	0.31	0.31	0.31	0.3	0.3	S	0.31	0.3	0.3	0.31	0.3	0.32	0.31	0.31	0.3	0.29	0.29	0.28	0.29	0.31	0.3	0.31	0.28	0.33	0.31
Diurnal Maximum	0.68	0.53	0.51	0.53	0.54	0.74	0.81	0.82	0.93	0.65	0.53	0.52	0.50	0.48	0.46	0.51	0.57	0.58	0.51	0.57	0.58	0.56	0.64	0.60			
Diurnal Average	0.38	0.37	0.37	0.37	0.36	0.37	0.38	0.39	0.37	0.36	0.36	0.35	0.35	0.34	0.33	0.34	0.35	0.37	0.36	0.36	0.37	0.36	0.37	0.38			

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 - October 2024

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

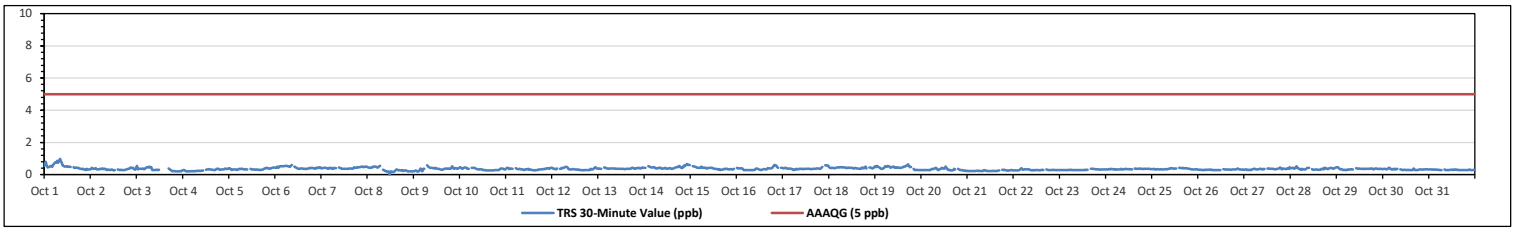
Maximum 30-Minute Value:	0.99 ppb	on Oct 1 at 08:00	# of Instrument in Service	1488
Maximum Daily Value:	0.52 ppb	on Oct 1	# of Valid Measurements	1416
Minimum 30-Minute Value:	0.16 ppb	Oct 8 at 13:00	# of Missing Measurements:	1
Minimum Daily Value:	0.25 ppb	on Oct 21	# of Calibration:	71
Monthly Average:	0.36 ppb		Operational Uptime:	99.9

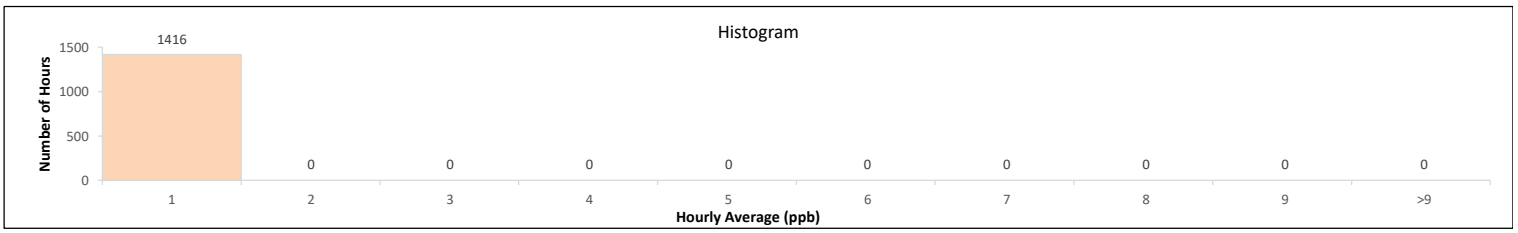
30-Minute Period Starting at (MST)	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Diurnal Maximum	Diurnal Average
00:00	0.56	0.34	0.54	0.3	0.4	0.42	0.39	0.46	0.2	0.47	0.39	0.41	0.37	0.43	S	0.42	0.4	0.47	0.52	0.29	0.24	0.27	0.28	0.33	0.34	0.31	0.31	0.39	0.47	0.34	0.33	0.56	0.38
00:30	0.8	0.42	0.32	0.3	0.39	0.42	0.4	0.45	0.24	0.42	0.41	0.36	0.39	0.42	S	0.39	0.38	0.42	0.47	0.28	0.24	0.27	0.3	0.33	0.34	0.31	0.32	0.4	0.46	0.35	0.32	0.80	0.38
01:00	0.57	0.39	0.35	0.26	0.33	0.5	0.41	0.42	0.26	0.38	0.41	0.37	0.37	S	0.53	0.4	0.42	0.4	0.54	0.28	0.23	0.26	0.3	0.33	0.35	0.31	0.32	0.42	0.43	0.35	0.33	0.57	0.37
01:30	0.45	0.37	0.36	0.2	0.3	0.43	0.41	0.43	0.22	0.37	0.34	0.36	0.37	S	0.52	0.38	0.41	0.41	0.48	0.29	0.24	0.27	0.29	0.34	0.33	0.31	0.3	0.41	0.36	0.34	0.33	0.52	0.35
02:00	0.46	0.36	0.36	0.2	0.33	0.5	0.42	0.47	0.18	0.41	0.35	0.33	S	0.52	0.5	0.39	0.39	0.42	0.46	0.3	0.23	0.27	0.28	0.33	0.33	0.29	0.31	0.36	0.33	0.32	0.31	0.52	0.36
02:30	0.48	0.4	0.35	0.21	0.33	0.53	0.41	0.44	0.22	0.44	0.39	0.38	S	0.5	0.49	0.4	0.37	0.4	0.41	0.29	0.24	0.27	0.29	0.35	0.34	0.3	0.29	0.42	0.34	0.36	0.32	0.53	0.37
03:00	0.52	0.34	0.38	0.2	0.32	0.53	0.38	0.51	0.24	0.44	0.36	S	0.44	0.48	0.46	0.37	0.39	0.4	0.37	0.3	0.24	0.3	0.28	0.34	0.34	0.31	0.31	0.52	0.31	0.42	0.31	0.53	0.37
03:30	0.54	0.32	0.34	0.21	0.32	0.52	0.36	0.5	0.39	0.43	0.35	S	0.45	0.45	0.42	0.3	0.38	0.41	0.35	0.29	0.24	0.34	0.29	0.34	0.33	0.3	0.3	0.4	0.3	0.42	0.32	0.54	0.36
04:00	0.48	0.32	0.34	0.21	0.3	0.52	0.41	0.51	0.32	0.37	S	0.37	0.4	0.44	0.43	0.29	0.35	0.44	0.38	0.29	0.24	0.4	0.28	0.33	0.33	0.31	0.32	0.38	0.31	0.34	0.31	0.52	0.36
04:30	0.61	0.34	0.4	0.22	0.33	0.53	0.4	0.49	0.21	0.35	S	0.37	0.39	0.46	0.41	0.28	0.35	0.44	0.43	0.3	0.25	0.33	0.28	0.34	0.34	0.31	0.34	0.36	0.3	0.32	0.31	0.61	0.36
05:00	0.71	0.35	0.44	0.21	0.36	0.54	0.41	0.44	0.35	S	0.4	0.41	0.39	0.47	0.42	0.28	0.32	0.46	0.52	0.33	0.25	0.31	0.31	0.31	0.32	0.31	0.35	0.33	0.3	0.32	0.31	0.71	0.37
05:30	0.77	0.34	0.47	0.22	0.34	0.54	0.36	0.45	0.36	S	0.36	0.4	0.37	0.43	0.5	0.28	0.3	0.44	0.49	0.36	0.24	0.32	0.29	0.33	0.33	0.31	0.37	0.31	0.32	0.35	0.3	0.77	0.38
06:00	0.74	0.38	0.45	0.21	0.35	0.54	0.37	0.52	S	0.43	0.34	0.41	0.39	0.38	0.42	0.28	0.32	0.47	0.5	0.34	0.25	0.34	0.31	0.33	0.33	0.32	0.33	0.36	0.31	0.33	0.3	0.74	0.38
06:30	0.87	0.34	0.51	0.22	0.35	0.53	0.41	0.54	S	0.42	0.34	0.46	0.39	0.4	0.43	0.29	0.31	0.46	0.54	0.35	0.24	0.33	0.3	0.32	0.34	0.29	0.32	0.33	0.32	0.36	0.3	0.87	0.39
07:00	0.74	0.36	0.44	0.24	0.35	0.5	0.4	S	0.59	0.43	0.37	0.49	0.38	0.39	0.44	0.29	0.37	0.44	0.53	0.4	0.23	0.33	0.29	0.32	0.34	0.31	0.33	0.33	0.32	0.33	S	0.74	0.39
07:30	0.89	0.35	0.46	0.25	0.32	0.49	0.4	S	0.5	0.43	0.34	0.48	0.38	0.43	0.4	0.28	0.34	0.46	0.51	0.42	0.23	0.34	0.29	0.33	0.33	0.3	0.34	0.33	0.34	0.37	S	0.89	0.39
08:00	0.99	0.31	0.29	0.24	0.33	0.54	S	0.31	0.47	0.4	0.33	0.44	0.38	0.44	0.43	0.3	0.33	0.45	0.43	0.37	0.24	0.32	0.29	0.35	0.34	0.3	0.36	0.34	0.33	S	0.32	0.99	0.38
08:30	0.87	0.3	0.3	0.25	0.34	0.61	S	0.28	0.43	0.35	0.33	0.34	0.36	0.4	0.39	0.29	0.36	0.44	0.47	0.29	0.3	0.3	0.29	0.32	0.35	0.3	0.36	0.4	0.33	S	0.3	0.87	0.37
09:00	0.74	0.33	0.3	0.24	0.33	S	0.44	0.24	0.41	0.34	0.31	0.33	0.39	0.37	0.4	0.3	0.36	0.4	0.49	0.3	0.27	0.29	0.3	0.33	0.35	0.3	0.33	0.43	S	0.33	0.3	0.74	0.35
09:30	0.57	0.31	0.3	0.25	0.32	S	0.42	0.22	0.41	0.33	0.3	0.33	0.37	0.38	0.41	0.32	0.35	0.41	0.51	0.32	0.26	0.27	0.29	0.34	0.4	0.29	0.32	0.42	S	0.33	0.3	0.57	0.35
10:00	0.55	0.29	0.31	0.25	S	0.5	0.4	0.19	0.4	0.33	0.33	0.33	0.37	0.38	0.43	0.39	0.34	0.45	0.41	0.37	0.23	0.28	0.29	0.35	0.4	0.3	0.35	S	0.4	0.3	0.3	0.55	0.35
10:30	0.5	0.31	0.31	0.27	S	0.46	0.37	0.2	0.38	0.34	0.34	0.34	0.36	0.41	0.43	0.36	0.35	0.43	0.45	0.42	0.23	0.26	0.29	0.34	0.38	0.3	0.34	S	0.38	0.3	0.3	0.50	0.35
11:00	0.51	0.32	0.3	S	0.35	0.41	0.36	0.19	0.41	0.33	0.33	0.34	0.36	0.4	0.42	0.36	0.34	0.42	0.43	0.4	0.24	0.29	0.3	0.34	0.38	0.3	S	0.34	0.36	0.31	0.31	0.51	0.35
11:30	0.53	0.28	0.31	S	0.33	0.38	0.36	K	0.38	0.32	0.35	0.32	0.36	0.37	0.4	0.32	0.35	0.43	0.46	0.37	0.23	0.28	0.28	0.34	0.37	0.3	S	0.31	0.38	0.31	0.31	0.53	0.35
12:00	0.49	0.27	C	0.31	0.32	0.37	0.36	0.2	0.39	0.3	0.31	0.32	0.36	0.37	0.37	0.31	0.36	0.42	0.42	0.38	0.23	0.28	0.3	0.34	0.38	S	0.39	0.31	0.36	0.3	0.31	0.49	0.34
12:30	0.5	0.28	C	0.32	0.32	0.37	0.36	0.18	0.36	0.29	0.32	0.33	0.35	0.39	0.37	0.3	0.37	0.38	0.42	0.5	0.24	0.28	0.3	0.33	0.38	S	0.37	0.31	0.36	0.3	0.29	0.50	0.34
13:00	0.48	S	C	0.33	0.31	0.39	0.36	0.16	0.37	0.29	0.31	0.31	0.35	0.4	0.35	0.31	0.35	0.39	0.43	0.41	0.24	0.28	0.31	0.34	S	0.34	0.39	0.33	0.36	0.31	0.32	0.48	0.34
13:30	0.48	S	C	0.34	0.33	0.38	0.36	0.17	0.34	0.27	0.29	0.32	0.34	0.4	0.34	0.33	0.35	0.41	0.43	0.32	0.25	0.27	0.3	0.33	S	0.32	0.37	0.33	0.35	0.29	0.31	0.48	0.33
14:00	S	0.33	C	0.33	0.31	0.38	0.37	0.21	0.32	0.26	0.29	0.31	0.34	0.37	0.34	0.34	0.35	0.4	0.45	0.29	0.23	0.28	0.31	S	0.42	0.32	0.35	0.31	0.34	0.3	0.32	0.45	0.33
14:30	S	0.31	C	0.32	0.32	0.36	0.38	0.26	0.31	0.26	0.26	0.3	0.36	0.37	0.31	0.34	0.34	0.38	0.47	0.31	0.24	0.29	0.31	S	0.41	0.32	0.36	0.31	0.37	0.29	0.3	0.47	0.33
15:00	0.46	0.3	C	0.31	0.31	0.35	0.38	0.32	0.31	0.27	0.27	0.29	0.36	0.38	0.34	0.33	0.34	0.38	0.51	0.27	0.24	0.31	S	0.38	0.4	0.31	0.36	0.31	0.36	0.28	0.31	0.51	0.34
15:30	0.42	0.31	C	0.31	0.31	0.37	0.38	0.31	0.34	0.26	0.28	0.28	0.35	0.4	0.3	0.33	0.35	0.36	0.51	0.26	0.25	0.3	S	0.36	0.4	0.33	0.34	0.31	0.35	0.28	0.3	0.51	0.33
16:00	0.43	0.28	C	0.3	0.3	0.34	0.37	0.27	0.37	0.27	0.3	0.27	0.36	0.44	0.31	0.4	0.36	0.35	0.55	0.27	0.25	S	0.36	0.36	0.42	0.33	0.33	0.36	0.36	0.38	0.3	0.55	0.34
16:30	0.44	0.29	0.38	0.3	0.31	0.37	0.39	0.28	0.38	0.27	0.28	0.28	0.35	0.46	0.31	0.4	0.36	0.36	0.58	0.3	0.26	S	0.36	0.36	0.39	0.31	0.34	0.36	0.35	0.31	0.3	0.58	0.35
17:00	0.42	0.29	0.34	0.33	0.31	0.38	0.46	0.27	0.36	0.26	0.32	0.28	0.38	0.49	0.34	0.39	0.37	0.42	0.64	0.35	S	0.32	0.37	0.37	0.4	0.31	0.37	0.33	0.37	0.3	0.3	0.64	0.36
17:30	0.42	0.3	0.28	0.35	0.33	0.38	0.41	0.27	0.38	0.26	0.32	0.28	0.43	0.47	0.37	0.38	0.39	0.45	0.52	0.32	S	0.31	0.35	0.38	0.4	0.33	0.36	0.42	0.38	0.29	0.29	0.52	0.36
18:00	0.38	0.31	0.26	0.35	0.36	0.42	0.43	0.28	0.35	0.3	0.32	0.29	0.43	0.54	0.34	0.4	0.39	0.38	0.47	S	0.31	0.3	0.34	0.35	0.39	0.32	0.39	0.43	0.37	0.29	0.29	0.54	0.36
18:30	0.37	0.32	0.21	0.35	0.38	0.4	0.46	0.23	0.38	0.3	0.33	0.28	0.38	0.49	0.35	0.43	0.38	0.41	0.49	S	0.29	0.29	0.34	0.35	0.38	0.33	0.44	0.35	0.38	0.31	0.29	0.49	0.36
19:00	0.36	0.34	0.24	0.31	0.41	0.41	0.44	0.25	0.37	0.3	0.34	0.29	0.37	0.45	0.35	0.53	0.36	0.5	S	0.35	0.31	0.29	0.33	0.34	0.36	0.32	0.4	0.35	0.33	0.32	0.28	0.53	0.35
19:30	0.34	0.35	0.22	0.31	0.4	0.4	0.47	0.26	0.39	0.29	0.34	0.28	0.4	0.4	0.32	0.6	0.37	0.38	S	0.32	0.3	0.29	0.34	0.36	0.35	0.33	0.33	0.34	0.34	0.32	0.29	0.60	0.35
20:00	0.35	0.35	0.21	0.32	0.42	0.4	0.46	0.26	0.52	0.28	0.35	0.35	0.38	0.45	0.33	0.58	0.41	S	0.36	0.29	0.27	0.3	0.33	0.36	0.34	0.34	0.38	0.38	0.38	0.32	0.29	0.58	0.36
20:30	0.32	0.42	0.21	0.33	0.39	0.36	0.49	0.23	0.42	0.31	0.34	0.33	0.42	0.56	0.34	0.57	0.48	S	0.3	0.28	0.27	0.31	0.32	0.35	0.33	0.39	0.36	0.4	0.38	0.31	0.3	0.57	0.36
21:00	0.31	0.44	0.21	0.32	0.39	0.38	0.51	0.21	0.37	0.36	0.38	0.33	0.41	0.53	0.34	0.47	S	0.44	0.3	0.28	0.25	0.3	0.31	0.35	0.33	0.34	0.37	0.42	0.36	0.33	0.32	0.53	0.36
21:30	0.3	0.4	0.21	0.34	0.37	0.45	0.49	0.2	0.4	0.39	0.4	0.37	0.39	0.58	0.33	0.43	S	0.45	0.31	0.26	0.26	0.29	0.32	0.36	0.33	0.33	0.34	0.4	0.34	0.32	0.3	0.58	0.36
22:00	0.35	0.42	0.2	0.38	0.4	0.4	0.46	0.21	0.4	0.38	0.39	0.42	0.39	0.67	0.33	S	0.59	0.4	0.29	0.25	0.27	0.29	0.32	0.35	0.33	0.32	0.36	0.37	0.35	0.33	0.3	0.67	0.36
22:30	0.33	0.35	0.22	0.34	0.41	0.43	0.51	0.21	0.37	0.35	0.37	0.46	0.41	0.61	0.36	S	0.56	0.39	0.28	0.26	0.3	0.3	0.33	0.35	0.32	0.31	0.4	0.38	0.36	0.34	0.3	0.61	0.36
23:00	0.32	0.31	0.21	0.36	0.44	0.46	0.49	0.2	0.39	0.33	0.41	0.39	0.44	0.61	S	0.43	0.58	0.42	0.29	0.24	0.29	0.29	0.33	0.34	0.34	0.32	0.36	0.41	0.37	0.33	0.3	0.61	0.37
23:30	0.32	0.35	0.25	0.37	0.45	0.45	0.5	0.2	0.41	0.33	0.41	0.38	0.41	0.6	S	0.41	0.56	0.47	0.29	0.25	0.27	0.29	0.33	0.34	0.32	0.31	0.46	0.44	0.34	0.32	0.31	0.60	0.37
Minimum	0.3	0.27	0.2	0.2	0.3	0.34	0.36	0.16	0.18	0.26	0.26	0.27	0.34	0.37	0.3	0.28	0.3	0.35	0.28	0.24	0.23	0.26	0.28	0.31	0.32	0.29	0.29	0.31	0.3	0.28	0.28		
Maximum	0.99	0.44	0.54	0.38	0.45	0.61	0.51	0.54	0.59	0.47	0.41	0.49	0.45	0.67	0.53	0.6	0.59	0.5	0.64	0.5	0.31	0.4	0.37	0.38	0.42	0.39	0.46	0.52	0.47	0.42	0.33		
Average	0.52	0.34	0.32	0.28	0.35	0.44	0.41	0.31	0.36	0.34	0.34	0.35	0.38	0.45	0.39	0.37	0.38	0.42	0.44	0.32	0.25	0.3	0.31	0.34	0.36	0.31	0.35	0.37	0.35	0.33	0.31		

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



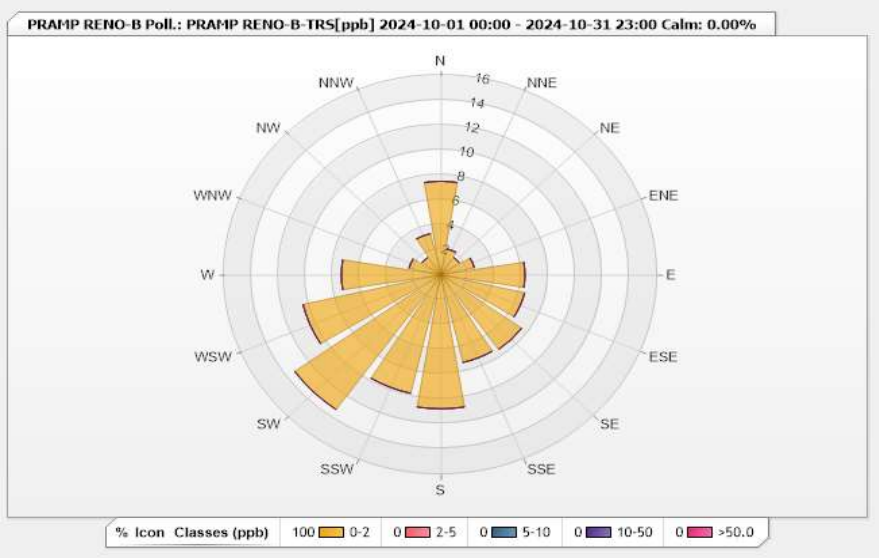


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.49	0	0	0	0	7.49
NNE	2.12	0	0	0	0	2.12
NE	1.69	0	0	0	0	1.69
ENE	2.54	0	0	0	0	2.54
E	6.21	0	0	0	0	6.21
ESE	6.36	0	0	0	0	6.36
SE	7.34	0	0	0	0	7.34
SSE	7.2	0	0	0	0	7.2
S	10.73	0	0	0	0	10.73
SSW	9.75	0	0	0	0	9.75
SW	13.28	0	0	0	0	13.28
WSW	10.45	0	0	0	0	10.45
W	7.34	0	0	0	0	7.34
WNW	2.4	0	0	0	0	2.4
NW	1.69	0	0	0	0	1.69
NNW	3.39	0	0	0	0	3.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

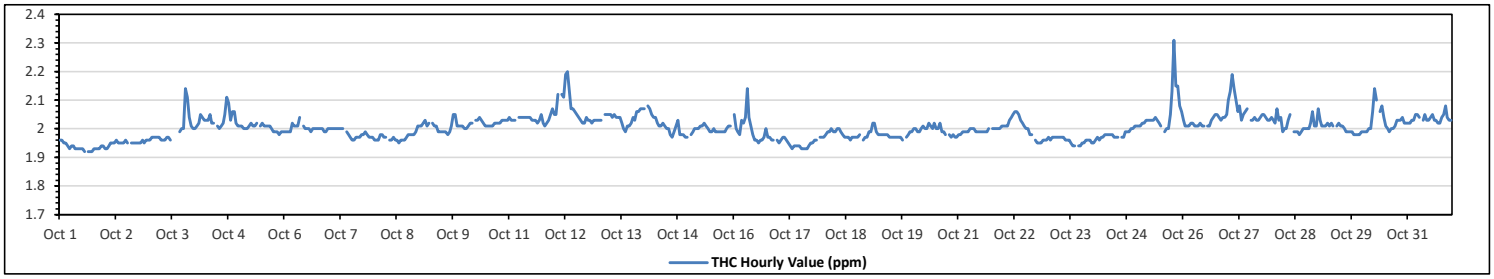
TOTAL HYDROCARBONS (THC) in ppm

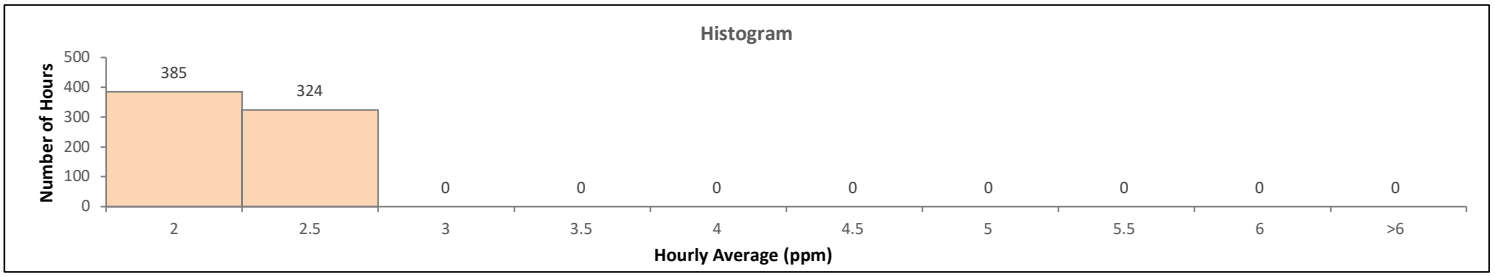
Maximum Hourly Value:	2.31	ppm	on Oct 25 at hr 19	Hours in Service:	744
Maximum Daily Value:	2.07	ppm	on Oct 12	Hours of Data:	709
Minimum Hourly Value:	1.92	ppm	on Oct 1 at hr 13	Hours of Missing Data:	0
Minimum Daily Value:	1.93	ppm	on Oct 1	Hours of Calibration:	35
Monthly Average:	2.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	1.96	1.96	1.95	1.95	1.94	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.92	S	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.92	1.96	1.93
Oct 2	1.93	1.93	1.94	1.95	1.95	1.95	1.96	1.95	1.95	1.95	1.95	1.96	1.95	S	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.93	1.96	1.95
Oct 3	1.96	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.96	C	C	C	C	1.99	2.00	2.00	2.14	2.11	2.04	2.01	2.00	1.96	2.14	1.99
Oct 4	2.00	2.01	2.02	2.05	2.04	2.03	2.03	2.03	2.05	2.02	2.02	S	2.01	2.00	2.01	2.02	2.05	2.11	2.09	2.03	2.06	2.06	2.02	2.01	2.00	2.11	2.03
Oct 5	2.01	2.01	2.00	2.00	2.00	2.01	2.02	2.01	2.01	2.02	S	2.01	2.02	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.99	1.98	1.99	1.99	1.98	2.02	2.00
Oct 6	1.99	1.99	1.99	1.99	2.02	2.01	2.01	2.01	2.04	S	2.01	2.00	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	1.99	2.04	2.00
Oct 7	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	S	1.99	1.98	1.97	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.99	1.98	1.97	1.97	1.97	1.96	2.00	1.98
Oct 8	1.96	1.96	1.96	1.98	1.98	1.97	1.97	S	1.96	1.96	1.97	1.96	1.96	1.95	1.96	1.96	1.96	1.97	1.98	1.98	1.98	1.98	1.99	2.01	1.95	2.01	1.97
Oct 9	2.01	2.01	2.02	2.03	2.01	2.02	S	2.02	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	2.01	2.05	2.05	2.01	2.01	2.01	2.01	1.98	2.05	2.01
Oct 10	2.00	2.00	2.01	2.02	2.02	S	2.03	2.03	2.04	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.00	2.04	2.02
Oct 11	2.04	2.03	2.03	2.03	S	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.03	2.05	2.02	2.01	2.02	2.03	2.05	2.07	2.01	2.07	2.03
Oct 12	2.05	2.05	2.12	S	2.12	2.11	2.19	2.20	2.14	2.07	2.07	2.06	2.05	2.04	2.03	2.02	2.02	2.04	2.03	2.03	2.02	2.03	2.03	2.03	2.02	2.20	**2.07**
Oct 13	2.03	2.03	S	2.05	2.05	2.05	2.05	2.04	2.05	2.04	2.04	2.04	2.02	2.00	1.99	2.01	2.01	2.02	2.04	2.03	2.06	2.06	2.07	2.07	1.99	2.07	2.04
Oct 14	2.07	S	2.08	2.07	2.05	2.04	2.04	2.02	2.01	2.01	2.02	2.01	2.00	2.00	1.98	1.97	1.99	2.01	2.03	1.98	1.98	1.98	1.97	1.97	1.97	2.08	2.01
Oct 15	S	1.98	1.99	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.01	2.01	S	1.98	2.02	2.00
Oct 16	2.05	2.00	1.99	1.98	2.03	2.02	2.04	2.14	2.04	2.01	1.98	1.96	1.96	1.95	1.96	1.96	1.97	2.00	1.97	1.97	1.96	1.96	S	1.96	1.95	2.14	1.99
Oct 17	1.95	1.96	1.97	1.97	1.96	1.95	1.94	1.93	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.95	1.95	1.96	1.96	S	1.97	1.97	1.93	1.97	1.95
Oct 18	1.97	1.98	1.99	1.99	2.00	1.99	1.99	2.00	2.00	1.99	1.98	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.98	S	1.96	1.97	1.97	1.96	2.00	1.98
Oct 19	1.99	1.99	2.02	2.02	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	S	1.97	1.98	1.99	1.99	1.96	2.02	1.98
Oct 20	2.00	2.00	1.99	1.99	2.00	2.01	2.00	2.00	2.02	2.01	2.00	2.02	2.00	2.00	2.02	1.99	1.99	1.98	S	1.98	1.97	1.98	1.97	1.97	1.97	2.02	2.00
Oct 21	1.98	1.98	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	S	2.00	2.00	2.00	2.00	2.00	2.01	1.98	2.01	1.99
Oct 22	2.01	2.01	2.01	2.03	2.04	2.05	2.06	2.06	2.05	2.03	2.02	2.01	2.00	2.00	1.98	1.98	S	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.95	2.06	2.00
Oct 23	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.95	1.94	1.94	S	1.94	1.94	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.97	1.96
Oct 24	1.95	1.96	1.97	1.96	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	S	1.97	1.97	1.99	1.99	1.99	2.00	2.00	2.01	2.01	1.95	2.01	1.98
Oct 25	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.02	2.01	S	1.99	2.00	2.00	2.05	2.13	**2.31**	2.15	2.15	2.08	2.06	1.99	**2.31**	2.05
Oct 26	2.03	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.01	2.02	2.01	2.01	S	2.01	2.01	2.03	2.04	2.05	2.05	2.04	2.03	2.04	2.04	2.05	2.01	2.05	2.02
Oct 27	2.10	2.13	2.19	2.14	2.10	2.06	2.08	2.03	2.05	2.06	2.07	S	2.03	2.03	2.04	2.03	2.03	2.04	2.05	2.05	2.04	2.03	2.03	2.04	2.03	2.19	2.06
Oct 28	2.03	2.02	2.07	2.03	2.04	1.99	2.00	2.00	2.03	2.05	S	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.00	2.00	2.02	2.06	2.01	2.01	1.98	2.07	2.01
Oct 29	2.07	2.03	2.01	2.01	2.01	2.02	2.01	2.02	2.01	S	2.01	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.98	2.07	2.00
Oct 30	1.99	1.99	1.99	2.00	2.00	2.06	2.14	2.10	S	2.06	2.08	2.04	2.01	2.00	1.99	2.00	2.00	2.01	2.03	2.03	2.03	2.04	2.02	2.02	1.99	2.14	2.03
Oct 31	2.02	2.02	2.03	2.03	2.05	2.05	2.04	S	2.03	2.05	2.03	2.03	2.04	2.05	2.03	2.03	2.02	2.02	2.04	2.05	2.08	2.04	2.03	2.03	2.02	2.08	2.04
Diurnal Maximum	2.10	2.13	2.19	2.14	2.12	2.11	2.19	2.20	2.14	2.07	2.08	2.06	2.05	2.05	2.04	2.03	2.05	2.11	2.13	2.31	2.15	2.15	2.08	2.07			
Diurnal Average	2.00	2.00	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.00	2.00			

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

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



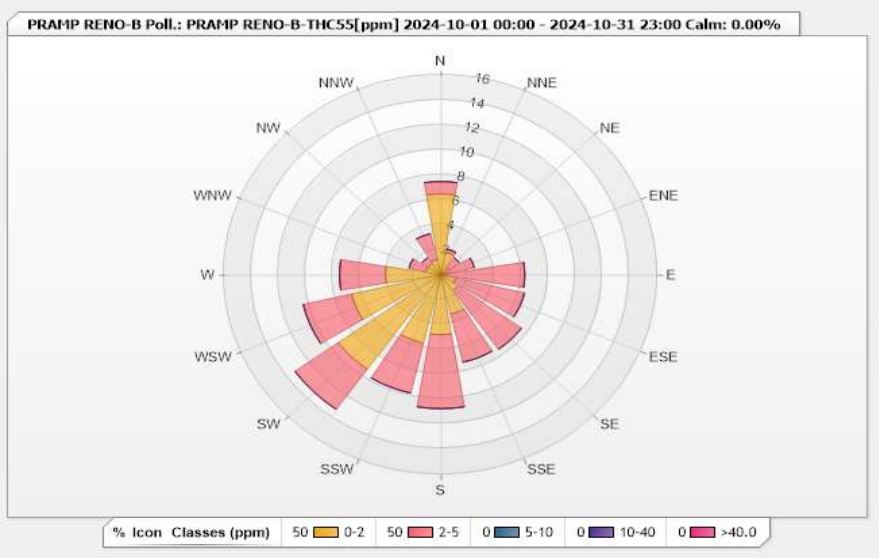


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	6.49	0.99	0	0	0	7.48
NNE	1.83	0.28	0	0	0	2.11
NE	0.71	0.99	0	0	0	1.7
ENE	0.14	2.4	0	0	0	2.54
E	0.42	5.78	0	0	0	6.2
ESE	1.13	5.22	0	0	0	6.35
SE	1.55	5.78	0	0	0	7.33
SSE	3.24	3.95	0	0	0	7.19
S	4.8	5.92	0	0	0	10.72
SSW	5.64	4.09	0	0	0	9.73
SW	9.31	3.95	0	0	0	13.26
WSW	6.77	3.67	0	0	0	10.44
W	4.09	3.39	0	0	0	7.48
WNW	1.13	1.27	0	0	0	2.4
NW	1.13	0.56	0	0	0	1.69
NNW	1.27	2.12	0	0	0	3.39
Summary	49.65	50.36	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

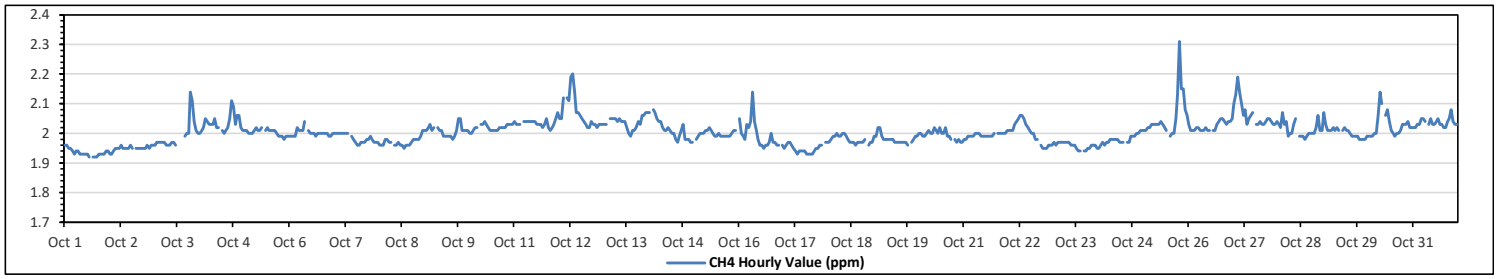
METHANE (CH4) in ppm

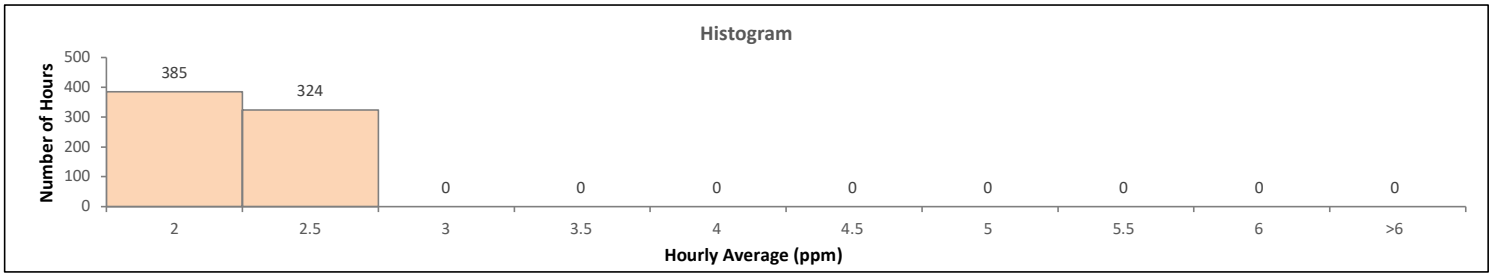
Maximum Hourly Value:	2.31	ppm	on Oct 25 at hr 19	Hours in Service:	744	
Maximum Daily Value:	2.07	ppm	on Oct 12	Hours of Data:	709	
Minimum Hourly Value:	1.92	ppm	on Oct 1 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	1.93	ppm	on Oct 1	Hours of Calibration:	35	
Monthly Average:	2.00	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	1.96	1.96	1.95	1.95	1.94	1.93	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.92	S	1.92	1.92	1.92	1.93	1.93	1.93	1.93	1.94	1.94	1.92	1.96	1.93
Oct 2	1.93	1.93	1.94	1.95	1.95	1.95	1.96	1.95	1.95	1.95	1.95	1.96	1.95	S	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.95	1.96	1.96	1.93	1.96	1.95
Oct 3	1.96	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.96	C	C	C	C	1.99	2.00	2.00	2.14	2.11	2.04	2.01	2.00	1.96	2.14	1.99
Oct 4	2.00	2.01	2.02	2.05	2.04	2.03	2.03	2.03	2.05	2.02	2.02	S	2.01	2.00	2.01	2.02	2.05	2.11	2.09	2.03	2.06	2.06	2.02	2.01	2.00	2.11	2.03
Oct 5	2.01	2.01	2.00	2.00	2.00	2.01	2.02	2.01	2.01	2.02	S	2.01	2.02	2.01	2.01	2.01	2.01	2.00	1.99	1.99	1.99	1.98	1.99	1.99	1.98	2.02	2.00
Oct 6	1.99	1.99	1.99	1.99	2.02	2.01	2.01	2.01	2.04	S	2.01	2.00	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	2.00	1.99	2.04	2.00
Oct 7	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	S	1.99	1.98	1.97	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.99	1.98	1.97	1.97	1.97	1.96	2.00	1.98
Oct 8	1.96	1.96	1.96	1.98	1.98	1.97	1.97	S	1.96	1.96	1.97	1.96	1.96	1.95	1.96	1.96	1.96	1.97	1.98	1.98	1.98	1.98	1.99	2.01	1.95	2.01	1.97
Oct 9	2.01	2.01	2.02	2.03	2.01	2.02	S	2.02	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	2.01	2.05	2.05	2.01	2.01	2.01	2.01	1.98	2.05	2.01
Oct 10	2.00	2.00	2.01	2.02	2.02	S	2.03	2.03	2.04	2.03	2.02	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.00	2.04	2.02
Oct 11	2.04	2.03	2.03	2.03	S	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.03	2.05	2.02	2.01	2.02	2.03	2.05	2.07	2.01	2.07	2.03
Oct 12	2.05	2.05	2.12	S	2.12	2.11	2.19	2.20	2.14	2.07	2.07	2.06	2.05	2.04	2.03	2.02	2.02	2.04	2.03	2.03	2.02	2.03	2.03	2.03	2.02	2.20	**2.07**
Oct 13	2.03	2.03	S	2.05	2.05	2.05	2.05	2.04	2.05	2.04	2.04	2.04	2.02	2.00	1.99	2.01	2.01	2.02	2.04	2.03	2.06	2.06	2.07	2.07	1.99	2.07	2.04
Oct 14	2.07	S	2.08	2.07	2.05	2.04	2.04	2.02	2.01	2.01	2.02	2.01	2.00	2.00	1.98	1.97	1.99	2.01	2.03	1.98	1.98	1.98	1.97	1.97	1.97	2.08	2.01
Oct 15	S	1.98	1.99	2.00	2.00	2.00	2.01	2.01	2.02	2.01	2.00	1.99	1.99	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.01	2.01	S	1.98	2.02	2.00
Oct 16	2.05	2.00	1.99	1.98	2.03	2.02	2.04	2.14	2.04	2.01	1.98	1.96	1.96	1.95	1.96	1.96	1.97	2.00	1.97	1.97	1.96	1.96	S	1.96	1.95	2.14	1.99
Oct 17	1.95	1.96	1.97	1.97	1.96	1.95	1.94	1.93	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.94	1.95	1.95	1.96	1.96	S	1.97	1.97	1.93	1.97	1.95
Oct 18	1.97	1.98	1.99	1.99	2.00	1.99	1.99	2.00	2.00	1.99	1.98	1.97	1.97	1.97	1.96	1.97	1.97	1.97	1.97	1.98	S	1.96	1.97	1.97	1.96	2.00	1.98
Oct 19	1.99	1.99	2.02	2.02	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	S	1.97	1.98	1.99	1.99	1.96	2.02	1.98
Oct 20	2.00	2.00	1.99	1.99	2.00	2.01	2.00	2.00	2.02	2.01	2.00	2.02	2.00	2.00	2.02	1.99	1.99	1.98	S	1.98	1.97	1.98	1.97	1.97	1.97	2.02	2.00
Oct 21	1.98	1.98	1.99	1.99	1.99	1.99	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	S	2.00	2.00	2.00	2.00	2.00	2.01	1.98	2.01	1.99
Oct 22	2.01	2.01	2.01	2.03	2.04	2.05	2.06	2.06	2.05	2.03	2.02	2.01	2.00	2.00	1.98	1.98	S	1.96	1.95	1.95	1.95	1.96	1.96	1.96	1.95	2.06	2.00
Oct 23	1.97	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.95	1.94	1.94	S	1.94	1.94	1.95	1.95	1.96	1.96	1.96	1.95	1.94	1.97	1.96
Oct 24	1.95	1.96	1.97	1.96	1.97	1.97	1.98	1.98	1.98	1.98	1.98	1.97	1.97	1.97	S	1.97	1.97	1.99	1.99	1.99	2.00	2.00	2.01	2.01	1.95	2.01	1.98
Oct 25	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.02	2.01	S	1.99	2.00	2.00	2.05	2.13	**2.31**	2.15	2.15	2.08	2.06	1.99	**2.31**	2.05
Oct 26	2.03	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.01	2.02	2.01	2.01	S	2.01	2.01	2.03	2.04	2.05	2.05	2.04	2.03	2.04	2.04	2.05	2.01	2.05	2.02
Oct 27	2.10	2.13	2.19	2.14	2.10	2.06	2.08	2.03	2.05	2.06	2.07	S	2.03	2.03	2.04	2.03	2.03	2.04	2.05	2.05	2.04	2.03	2.03	2.04	2.03	2.19	2.06
Oct 28	2.03	2.02	2.07	2.03	2.04	1.99	2.00	2.00	2.03	2.05	S	1.99	1.99	1.99	1.98	1.99	2.00	2.00	2.00	2.00	2.02	2.06	2.01	2.01	1.98	2.07	2.01
Oct 29	2.07	2.03	2.01	2.01	2.01	2.02	2.01	2.02	2.01	S	2.01	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.99	1.98	2.07	2.00
Oct 30	1.99	1.99	1.99	2.00	2.00	2.06	2.14	2.10	S	2.06	2.08	2.04	2.01	2.00	1.99	2.00	2.00	2.01	2.03	2.03	2.03	2.04	2.02	2.02	1.99	2.14	2.03
Oct 31	2.02	2.02	2.03	2.03	2.05	2.05	2.04	S	2.03	2.05	2.03	2.03	2.04	2.05	2.03	2.03	2.02	2.02	2.04	2.05	2.08	2.04	2.03	2.03	2.02	2.08	2.04
Diurnal Maximum	2.10	2.13	2.19	2.14	2.12	2.11	2.19	2.20	2.14	2.07	2.08	2.06	2.05	2.05	2.04	2.03	2.05	2.11	2.13	2.31	2.15	2.15	2.08	2.07			
Diurnal Average	2.00	2.00	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.00	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.01	2.01	2.00	2.00			

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

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



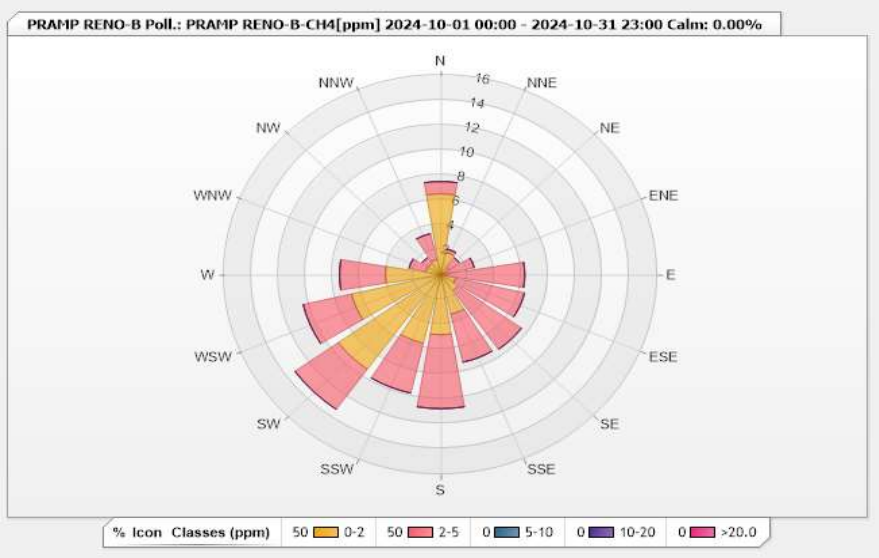


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	6.49	0.99	0	0	0	7.48
NNE	1.83	0.28	0	0	0	2.11
NE	0.71	0.99	0	0	0	1.7
ENE	0.14	2.4	0	0	0	2.54
E	0.42	5.78	0	0	0	6.2
ESE	1.13	5.22	0	0	0	6.35
SE	1.55	5.78	0	0	0	7.33
SSE	3.24	3.95	0	0	0	7.19
S	4.8	5.92	0	0	0	10.72
SSW	5.64	4.09	0	0	0	9.73
SW	9.31	3.95	0	0	0	13.26
WSW	6.77	3.67	0	0	0	10.44
W	4.09	3.39	0	0	0	7.48
WNW	1.13	1.27	0	0	0	2.4
NW	1.13	0.56	0	0	0	1.69
NNW	1.27	2.12	0	0	0	3.39
Summary	49.65	50.36	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

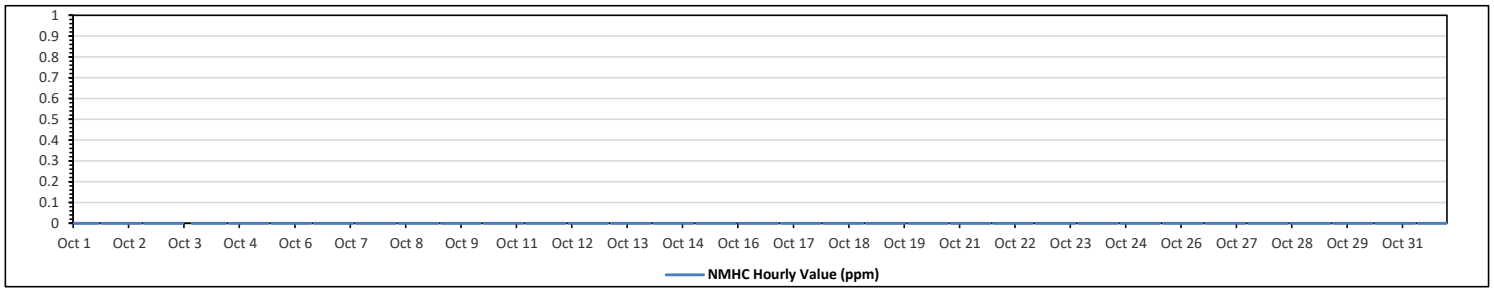
NON-METHANE HYDROCARBONS (NMHC) in ppm

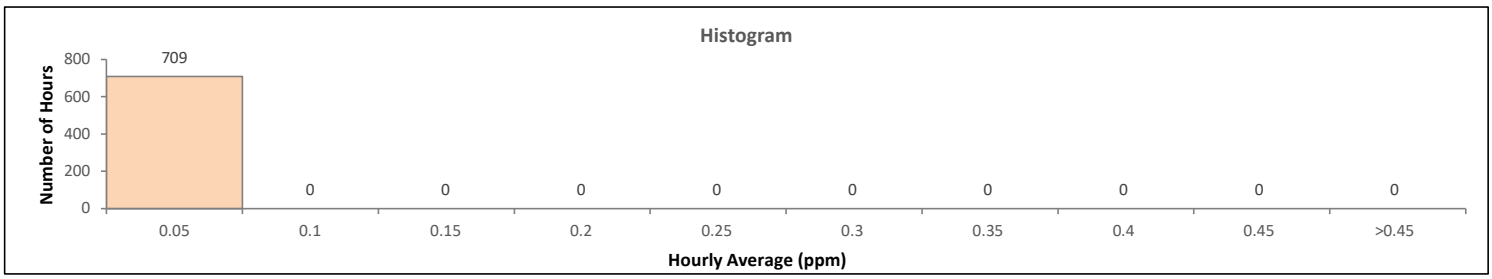
Maximum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Oct 1	Hours of Data:	709
Minimum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Oct 1	Hours of Calibration:	35
Monthly Average:	0.00	ppm		Operational 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			
Oct 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	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
Oct 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	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
Oct 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	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
Oct 4	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
Oct 5	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
Oct 6	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
Oct 7	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
Oct 8	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
Oct 9	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
Oct 10	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
Oct 11	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
Oct 12	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
Oct 13	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
Oct 14	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
Oct 15	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
Oct 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 20	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 21	0.00	0.00	0.00	0.00	0.00	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
Oct 22	0.00	0.00	0.00	0.00	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
Oct 23	0.00	0.00	0.00	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
Oct 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	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
Oct 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	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
Oct 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	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
Oct 27	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
Oct 28	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
Oct 29	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
Oct 30	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
Oct 31	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
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.



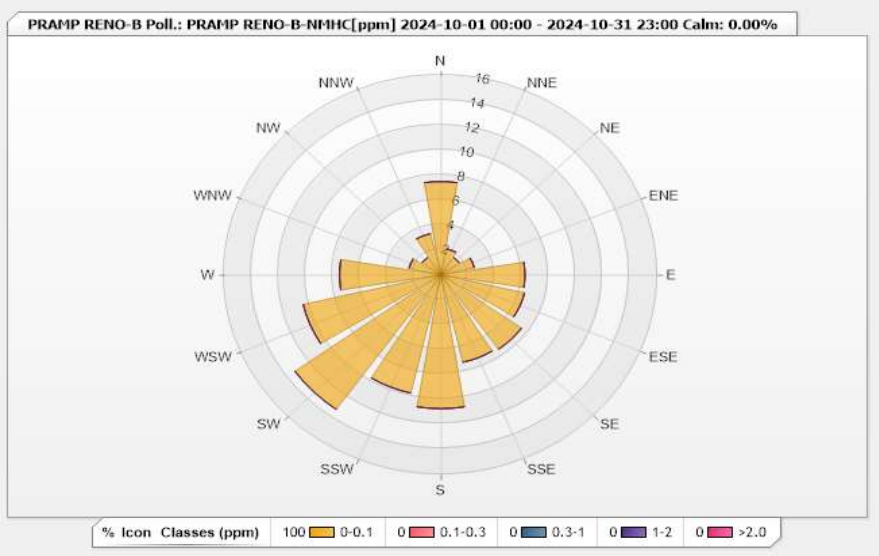


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	7.48	0	0	0	0	7.48
NNE	2.12	0	0	0	0	2.12
NE	1.69	0	0	0	0	1.69
ENE	2.54	0	0	0	0	2.54
E	6.21	0	0	0	0	6.21
ESE	6.35	0	0	0	0	6.35
SE	7.33	0	0	0	0	7.33
SSE	7.19	0	0	0	0	7.19
S	10.72	0	0	0	0	10.72
SSW	9.73	0	0	0	0	9.73
SW	13.26	0	0	0	0	13.26
WSW	10.44	0	0	0	0	10.44
W	7.48	0	0	0	0	7.48
WNW	2.4	0	0	0	0	2.4
NW	1.69	0	0	0	0	1.69
NNW	3.39	0	0	0	0	3.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

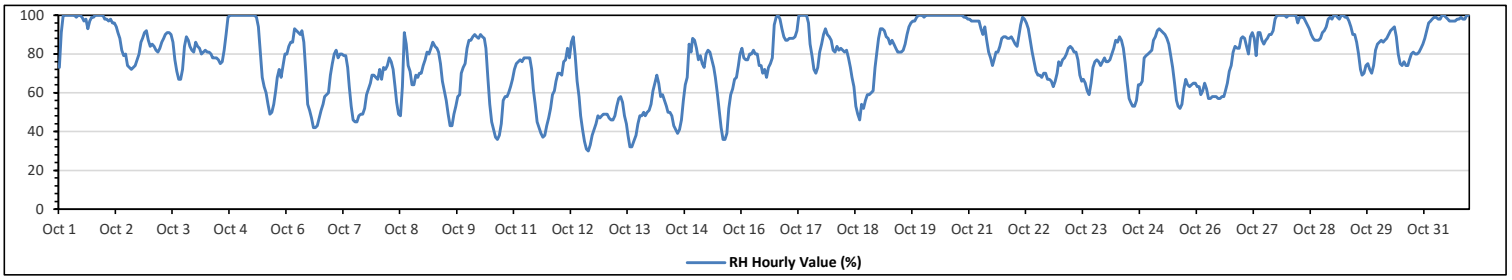
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Oct 1 at hr 2	Hours in Service:	744	
Maximum Daily Value:	99.8	%	on Oct 20	Hours of Data:	744	
Minimum Hourly Value:	30	%	on Oct 12 at hr 15	Hours of Missing Data:	0	
Minimum Daily Value:	46.4	%	on Oct 13	Hours of Calibration:	0	
Monthly Average:	77.2	%		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
Oct 1	73	91	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	**100**	**100**	99	97	98	93	97	99	99	**100**	**100**	**100**	**100**	**100**	73	**100**	97.7
Oct 2	98	98	97	98	96	96	94	91	88	82	79	80	74	73	72	73	74	77	80	86	88	91	92	87	72	98	86.0
Oct 3	84	85	84	82	81	83	86	88	90	91	91	90	86	77	71	67	67	72	84	89	87	84	82	81	67	91	82.6
Oct 4	86	84	83	80	81	82	81	81	80	78	78	78	77	75	76	82	90	99	**100**	**100**	**100**	**100**	**100**	**100**	75	**100**	86.3
Oct 5	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	94	81	68	63	60	54	49	50	54	61	68	72	68	74	80	49	**100**	79.0
Oct 6	80	84	86	86	93	92	91	90	92	86	71	54	51	47	42	42	43	47	51	54	58	59	60	69	42	93	67.8
Oct 7	75	80	82	78	80	80	79	79	73	63	53	46	45	45	48	49	49	52	59	62	65	69	69	68	45	82	64.5
Oct 8	67	72	67	73	72	74	78	76	72	63	55	49	48	63	91	85	74	71	64	64	69	68	70	70	48	91	69.0
Oct 9	74	77	81	80	83	86	84	83	81	75	66	61	56	49	43	43	49	53	58	59	70	73	75	83	43	86	68.4
Oct 10	87	87	89	90	89	88	90	89	88	83	68	54	45	41	37	36	38	44	56	58	58	60	63	67	36	90	66.9
Oct 11	72	75	76	77	76	78	78	78	78	72	62	54	45	42	39	37	38	43	47	52	59	61	66	70	37	78	61.5
Oct 12	70	69	76	77	83	78	86	89	79	66	58	48	41	35	31	**30**	33	38	41	44	48	47	48	49	**30**	89	56.8
Oct 13	49	49	47	46	46	48	53	57	58	55	48	44	38	32	32	35	38	44	48	48	50	48	50	51	32	58	**46.4**
Oct 14	54	61	65	69	65	58	59	56	53	50	50	48	43	41	39	41	46	56	64	68	85	81	88	87	39	88	59.5
Oct 15	83	77	79	75	73	80	82	81	77	73	68	60	51	42	36	36	39	52	59	62	67	68	74	80	36	83	65.6
Oct 16	83	78	77	77	80	80	82	80	80	74	74	70	72	68	73	75	78	95	99	**100**	98	93	89	87	68	**100**	81.8
Oct 17	87	88	88	88	89	92	**100**	**100**	**100**	**100**	**100**	96	85	79	72	70	73	81	85	90	93	90	89	87	70	**100**	88.4
Oct 18	82	81	84	82	83	82	81	82	78	73	68	63	53	49	46	54	52	56	59	59	60	61	73	80	46	84	68.4
Oct 19	88	93	93	92	89	88	85	87	85	83	81	81	81	82	85	90	94	96	97	97	99	**100**	**100**	**100**	81	**100**	90.3
Oct 20	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	99	98	98	**100**	**99.8**
Oct 21	98	97	97	97	97	97	93	90	94	87	81	78	74	77	81	81	84	88	89	89	88	88	89	87	74	98	88.4
Oct 22	85	84	89	95	99	98	96	93	87	81	76	71	69	69	68	70	70	67	67	66	63	66	70	76	63	99	78.1
Oct 23	74	77	78	80	83	84	83	81	81	77	69	66	67	65	61	59	65	73	76	77	76	74	76	78	59	84	74.2
Oct 24	76	76	77	80	83	87	86	89	87	83	75	65	57	55	53	53	56	64	64	66	78	79	80	81	53	89	72.9
Oct 25	82	87	89	92	93	92	91	90	88	85	79	73	65	56	53	52	54	62	67	64	63	64	65	65	52	93	73.8
Oct 26	63	63	59	61	65	62	57	57	58	58	58	57	57	58	58	61	65	71	74	81	84	83	83	88	57	88	65.9
Oct 27	89	88	84	80	89	91	88	79	91	91	87	85	87	88	90	90	92	98	**100**	**100**	**100**	**100**	**100**	99	79	**100**	91.1
Oct 28	**100**	**100**	**100**	**100**	**100**	96	99	99	99	97	95	93	90	88	87	87	87	88	91	92	94	98	99	98	87	**100**	94.9
Oct 29	**100**	**100**	99	98	**100**	**100**	99	99	97	94	90	90	86	80	72	69	70	74	75	72	70	74	82	85	69	**100**	86.5
Oct 30	86	87	86	87	88	90	92	93	94	89	80	75	74	76	74	74	77	80	81	80	80	81	83	85	74	94	83.0
Oct 31	88	92	96	97	98	99	99	98	98	**100**	**100**	99	98	97	97	97	97	98	98	99	98	98	**100**	**100**	88	**100**	97.5
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
Diurnal Average	81.7	83.2	84.1	84.4	85.6	85.8	86.2	85.6	84.7	80.7	75.5	70.8	67.0	64.7	63.8	63.9	65.8	70.7	74.0	75.7	78.1	78.2	80.3	81.8			

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

Reno-B Station - October 2024

Summary of Hourly Averages

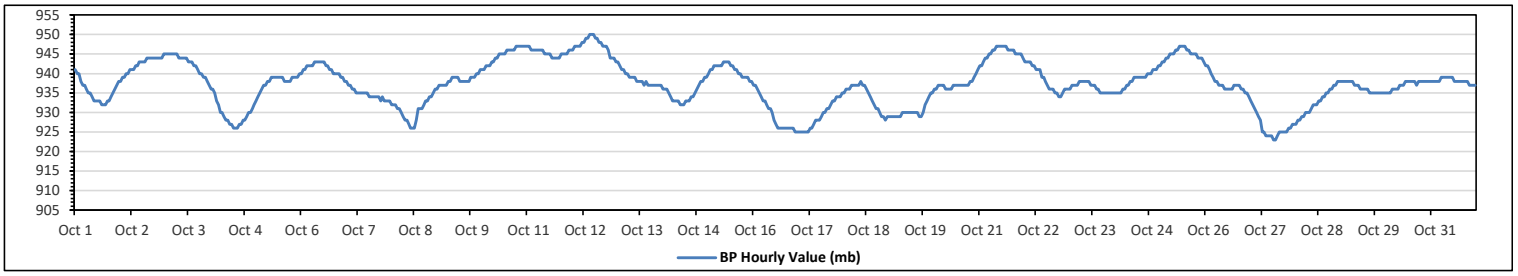
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	950 mb	on Oct 12 at hr 9	Hours in Service:	744	
Maximum Daily Value:	947 mb	on Oct 12	Hours of Data:	744	
Minimum Hourly Value:	923 mb	on Oct 27 at hr 12	Hours of Missing Data:	0	
Minimum Daily Value:	926 mb	on Oct 27	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
Oct 1	941	940	940	938	937	937	936	935	935	934	933	933	933	933	932	932	932	933	933	934	935	936	937	938	932	941	935
Oct 2	938	939	939	940	940	941	941	941	942	942	943	943	943	943	944	944	944	944	944	944	944	944	944	945	938	945	942
Oct 3	945	945	945	945	945	945	945	944	944	944	944	944	943	943	943	942	942	941	940	940	939	939	938	937	937	945	943
Oct 4	936	936	935	933	932	930	930	929	928	928	927	927	926	926	926	927	927	928	928	929	930	930	931	932	926	936	930
Oct 5	933	934	935	936	937	937	938	938	939	939	939	939	939	939	939	938	938	938	938	939	939	939	939	940	933	940	938
Oct 6	940	941	941	942	942	942	942	943	943	943	943	943	943	942	942	941	941	940	940	940	940	939	939	938	938	943	941
Oct 7	938	937	937	936	936	935	935	935	935	935	935	935	934	934	934	934	934	934	933	934	933	933	933	933	933	938	935
Oct 8	932	932	932	931	931	930	929	928	928	927	926	926	926	928	931	931	931	932	933	933	934	934	935	936	926	936	931
Oct 9	936	937	937	937	937	937	938	938	939	939	939	939	938	938	938	938	938	938	939	939	939	940	940	941	936	941	938
Oct 10	941	941	942	942	942	943	943	944	944	945	945	945	945	946	946	946	946	946	947	947	947	947	947	947	941	947	945
Oct 11	947	947	946	946	946	946	946	946	946	945	945	945	945	944	944	944	944	944	945	945	945	945	946	946	944	947	945
Oct 12	946	947	947	947	947	948	948	949	949	**950**	**950**	**950**	949	949	948	948	947	947	947	946	944	944	944	943	943	**950**	**947**
Oct 13	943	942	941	941	940	940	939	939	939	939	938	938	938	938	937	938	937	937	937	937	937	937	937	937	937	943	939
Oct 14	936	936	936	935	934	933	933	933	933	932	932	932	933	933	933	934	934	935	936	937	938	938	939	939	932	939	935
Oct 15	940	941	941	942	942	942	942	942	943	943	943	943	942	942	941	941	940	940	939	939	939	939	938	938	938	943	941
Oct 16	937	937	936	935	934	933	933	932	931	931	930	928	927	926	926	926	926	926	926	926	926	926	925	925	925	937	930
Oct 17	925	925	925	925	925	925	926	926	927	928	928	928	929	930	930	931	931	932	933	933	934	934	934	935	925	935	929
Oct 18	935	936	936	936	937	937	937	937	937	938	937	937	936	935	934	933	932	931	931	930	929	929	928	929	928	938	934
Oct 19	929	929	929	929	929	929	929	930	930	930	930	930	930	930	930	930	929	929	930	932	933	934	935	935	929	935	930
Oct 20	936	936	937	937	937	937	936	936	936	936	937	937	937	937	937	937	937	937	937	938	938	939	940	941	936	941	937
Oct 21	942	942	943	944	944	945	945	946	946	947	947	947	947	947	947	946	946	946	946	945	945	945	945	944	942	947	945
Oct 22	943	943	943	943	942	942	941	941	941	939	939	938	937	936	936	936	935	935	934	934	935	936	936	936	934	943	938
Oct 23	936	937	937	937	937	938	938	938	938	938	938	937	937	937	936	936	935	935	935	935	935	935	935	935	935	938	936
Oct 24	935	935	935	935	936	936	937	937	938	938	939	939	939	939	939	939	939	940	940	940	941	941	941	942	935	942	938
Oct 25	942	943	943	944	944	945	945	945	946	946	947	947	947	947	946	946	945	945	945	945	944	944	944	943	942	947	945
Oct 26	942	942	941	940	939	938	938	937	937	937	936	936	936	936	936	937	937	937	937	936	936	935	935	934	934	942	937
Oct 27	933	932	931	930	929	928	925	925	924	924	924	924	**923**	**923**	924	925	925	925	925	925	926	926	927	927	**923**	933	**926**
Oct 28	927	928	928	929	929	930	930	930	931	932	932	932	933	933	934	934	935	935	936	936	937	937	938	938	927	938	933
Oct 29	938	938	938	938	938	938	938	937	937	937	936	936	936	936	936	935	935	935	935	935	935	935	935	935	935	938	936
Oct 30	935	935	935	936	936	936	936	937	937	937	938	938	938	938	938	938	937	938	938	938	938	938	938	938	935	938	937
Oct 31	938	938	938	938	938	939	939	939	939	939	939	939	938	938	938	938	938	938	938	938	937	937	937	937	937	939	938
Diurnal Maximum	947	947	947	947	947	948	948	949	949	950	950	950	949	949	948	948	947	947	947	947	947	947	947	947			
Diurnal Average	938	938	938	938	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	937	938			

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

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



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

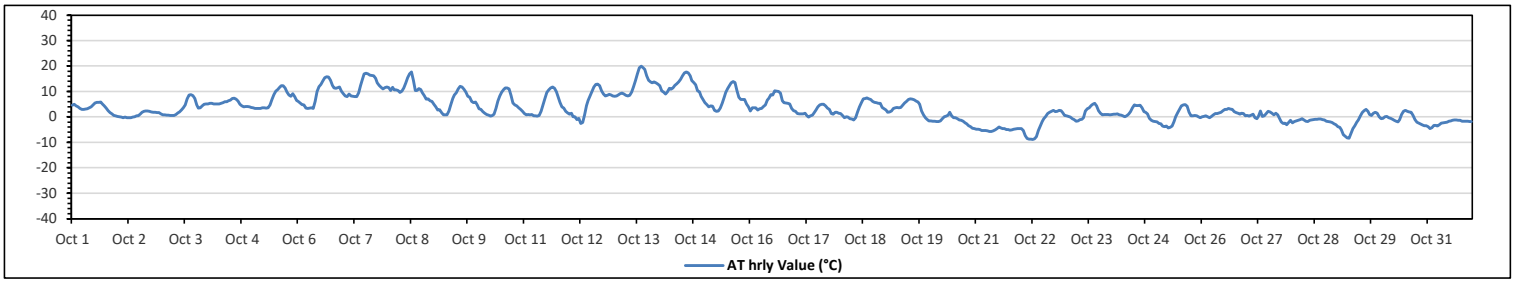
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	19.9	°C	on Oct 13 at hr 14	Hours in Service:	744	
Maximum Daily Value:	12.7	°C	on Oct 13	Hours of Data:	744	
Minimum Hourly Value:	-8.8	°C	on Oct 22 at hr 6	Hours of Missing Data:	0	
Minimum Daily Value:	-5.0	°C	on Oct 21	Hours of Calibration:	0	
Monthly Average:	3.6	°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
Oct 1	4.6	5	4.4	3.9	3.4	3	3	3.1	3.2	3.6	4	4.7	5.4	5.7	5.7	5.9	5.1	4.4	3.5	2.5	1.7	1.2	0.6	0.4	0.4	5.9	3.7
Oct 2	0.2	0.1	-0.1	-0.2	-0.1	-0.2	-0.2	-0.3	-0.1	0.1	0.4	0.5	1.1	1.8	2.2	2.4	2.4	2.2	2	1.9	1.8	1.7	1.7	1.2	-0.3	2.4	0.9
Oct 3	0.9	0.8	0.7	0.7	0.6	0.6	0.6	1	1.6	2	2.7	3.6	4.7	7.1	8.6	8.8	8.4	7.3	4.7	3.5	3.6	4.3	5	5.2	0.6	8.8	3.6
Oct 4	5.1	5.3	5.3	5.2	5.1	5.1	5.2	5.3	5.6	6	6	6.4	6.6	7.3	7.4	7	6.3	5	4.3	4	4.1	4.1	4	3.8	3.8	7.4	5.4
Oct 5	3.6	3.4	3.4	3.3	3.3	3.6	3.7	3.5	3.7	4.7	6.8	8.8	10.1	10.8	11.7	12.3	12.3	11.4	9.7	8.6	8.1	9.2	7.9	6.5	3.3	12.3	7.1
Oct 6	6.1	5.5	4.9	4.7	3.5	3.4	3.5	3.6	3.3	6.2	10	11.9	12.8	14.2	15.4	15.8	15.7	14.4	12.4	11.4	11.3	11.6	11.8	10.1	3.3	15.8	9.3
Oct 7	9.2	8.3	8	9	8.3	8.1	8	8	9.5	12.4	14.9	16.9	17.2	16.9	16.4	16.3	16.2	15.2	13.4	12.4	11.7	11	11.6	11.8	8.0	17.2	12.1
Oct 8	11.6	10.5	11.7	10.6	10.6	10.4	9.6	10.1	11.4	13.3	15.4	17	17.7	14.4	10.5	10.5	11.2	10.8	9.5	8.4	7	7.1	6.4	6.1	6.1	17.7	10.9
Oct 9	5	3.9	2.7	2.8	1.7	0.8	0.9	0.8	2.4	4.9	7.3	8.6	9.5	11	12	11.8	10.9	9.7	8.1	7.8	6.2	5.6	5.9	4.9	0.8	12.0	6.1
Oct 10	3.2	3	2.1	1.4	1	0.7	0.3	0.6	1.1	3.4	6.3	8.3	9.7	10.8	11.4	11.4	11	8.5	5.4	4.7	4.4	3.7	3	2.2	0.3	11.4	4.9
Oct 11	1.3	0.9	1	0.9	1	0.5	0.4	0.3	0.6	2.2	4.7	7.3	9.6	10.6	11.4	11.8	11.3	9.9	7.7	5.8	4	3.5	2.3	1.6	0.3	11.8	4.6
Oct 12	1.1	1.5	0.1	0	-1	-0.5	-2.6	-2.2	0.8	4.5	6.5	8.3	10	11.8	12.8	13	12.3	10.3	9	8.3	8.5	8.9	8.6	8.2	-2.6	13.0	5.8
Oct 13	8.1	8.2	8.6	9.2	9.3	9.1	8.5	8.2	8.5	9.7	11.9	14.3	17	19.3	**19.9**	19.4	18.7	16.1	14.5	13.8	13.4	13.8	13.4	13	8.1	**19.9**	**12.7**
Oct 14	12.3	10.3	9.7	9.1	9.9	11.3	10.9	11.4	12.4	13.1	13.8	14.8	16.1	17.3	17.7	17.3	16.1	14.3	13.5	12.6	10.3	9.9	8.1	6.8	6.8	17.7	12.5
Oct 15	5.6	4.9	4	4.4	4.2	2.6	2.2	2.4	3.5	5.3	7.6	9.6	11.2	12.4	13.4	13.9	13.5	10.4	7.8	6.8	6.8	6.9	5.2	3.9	2.2	13.9	7.0
Oct 16	2.4	3.6	3.6	3.6	2.7	3.2	3.3	4.1	4.8	6.6	7.4	8.8	8.7	10.3	10.2	10	9.3	6.4	5.6	5.4	5.3	5.1	3.3	2.5	2.4	10.3	5.7
Oct 17	2.2	1.3	1.2	1.2	1.2	1.4	0.4	-0.1	0.4	0.7	1.6	2.7	4	4.8	5	5	4.4	3.5	2.9	1.3	1.1	1.8	1.8	1.5	-0.1	5.0	2.1
Oct 18	1.3	0.6	-0.3	0.1	-0.1	-0.6	-0.8	-1.2	-0.2	2	3.9	5.6	7.1	7.3	7.5	7.1	6.8	6.1	5.7	5.6	5.3	5.3	3.8	3.2	-1.2	7.5	3.4
Oct 19	2.7	1.8	2	2.4	3.3	3.6	3.8	3.7	3.8	4.6	5.5	6.2	6.9	7.1	7	6.7	6.3	5.9	5	2.4	0.8	-0.3	-0.9	-1.5	-1.5	7.1	3.7
Oct 20	-1.5	-1.6	-1.7	-1.8	-1.8	-1.5	-0.6	0.1	0.3	0.7	1.8	0.4	-0.2	-0.2	-0.6	-1.2	-1.3	-1.6	-2.3	-2.7	-3.4	-3.9	-4.4	-4.6	-4.6	1.8	-1.4
Oct 21	-4.8	-4.8	-5	-5.3	-5.3	-5.4	-5.5	-5.7	-5.7	-5.5	-5.1	-4.6	-4	-4.3	-4.6	-4.5	-5	-5	-5.2	-5.1	-4.8	-4.7	-4.6	-4.5	-5.7	-4.0	**-5.0**
Oct 22	-4.6	-5.4	-7.3	-8.4	-8.7	-8.7	**-8.8**	-8.6	-7.7	-5.4	-3.5	-1.8	-0.6	0.2	1.3	1.8	2.3	2.6	2.1	2.2	2.6	2.5	1.7	0.6	**-8.8**	2.6	-2.5
Oct 23	0.5	0.2	-0.1	-0.6	-1.1	-1.7	-1.5	-1	-0.9	-0.2	2.4	3.2	3.6	4.5	5	5.3	4.4	2.5	1.5	0.9	1	1	1	0.8	-1.7	5.3	1.3
Oct 24	1	1.1	1.1	1.2	0.9	0.7	0.4	0	0.4	1.1	2.1	3.6	4.7	4.5	4.5	4.6	3.6	2.1	1.8	1.2	-0.5	-1.3	-1.6	-1.8	-1.8	4.7	1.5
Oct 25	-1.9	-2.6	-2.7	-3.5	-3.8	-3.6	-4.3	-4.1	-3.5	-1.8	0	1.6	3	4.3	4.8	4.9	4.2	1.9	0.4	0.4	0.6	0.4	0.1	-0.3	-4.3	4.9	-0.2
Oct 26	0.1	0.2	0.4	0	-0.3	0.2	0.9	1.3	1.3	1.6	1.9	2.5	2.9	3	3.3	3.1	2.9	2.1	1.7	1.4	1.1	1.4	1.3	0.4	-0.3	3.3	1.4
Oct 27	0.6	0.3	0.7	1.1	-0.2	-0.6	0.3	2.4	0.2	0.5	1.3	2.2	2	1.4	0.9	1.4	0.9	-0.7	-1.9	-2.6	-2.5	-3	-2.2	-1.4	-3.0	2.4	0.0
Oct 28	-2.3	-1.8	-1.5	-1.3	-1.1	-0.7	-1.2	-1.7	-1.8	-1.3	-1.2	-1	-0.9	-0.9	-0.8	-0.8	-1	-1.2	-1.6	-1.8	-1.9	-2.2	-2.7	-3	-3.0	-0.7	-1.5
Oct 29	-3.8	-4.1	-5.1	-6.9	-7.6	-8.2	-8.3	-6.5	-4.6	-3.4	-2.1	-1.2	0.3	1.7	2.5	3	2.2	1	0.6	1.4	1.8	1.5	0	-0.7	-8.3	3.0	-1.9
Oct 30	-0.5	0	0.2	-0.2	-0.5	-0.9	-1.4	-1.7	-1.9	-1	1	2.2	2.6	2.2	2	1.8	0.6	-1.1	-2.1	-2.4	-2.8	-3.1	-3.4	-3.4	-3.4	2.6	-0.6
Oct 31	-3.9	-4.5	-4.2	-3.3	-3.3	-3.6	-3	-2.5	-2.3	-2.2	-2	-1.7	-1.5	-1.3	-1.2	-1.2	-1.3	-1.4	-1.6	-1.7	-1.7	-1.7	-1.8	-1.8	-4.5	-1.2	-2.3
Diurnal Maximum	12.3	10.5	11.7	10.6	10.6	11.3	10.9	11.4	12.4	13.3	15.4	17.0	17.7	19.3	19.9	19.4	18.7	16.1	14.5	13.8	13.4	13.8	13.4	13.0			
Diurnal Average	2.1	1.8	1.5	1.4	1.1	1.0	0.9	1.1	1.6	2.9	4.3	5.5	6.4	7.0	7.2	7.2	6.8	5.6	4.5	3.8	3.4	3.3	2.8	2.3			

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

Reno-B Station - October 2024

Summary of Hourly Averages

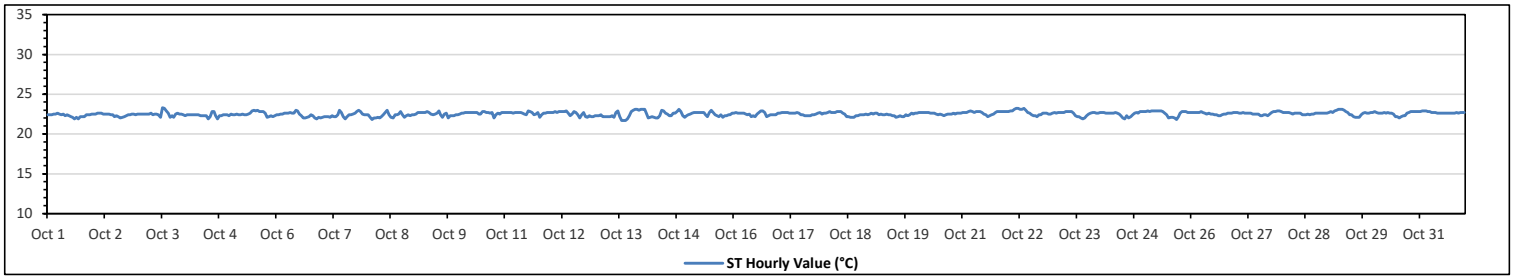
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.3	°C	on Oct 3 at hr 12	Hours in Service:	744
Maximum Daily Value:	22.7	°C	on Oct 22	Hours of Data:	744
Minimum Hourly Value:	21.7	°C	on Oct 13 at hr 13	Hours of Missing Data:	0
Minimum Daily Value:	22.3	°C	on Oct 8	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
Oct 1	22.4	22.4	22.4	22.5	22.5	22.6	22.5	22.4	22.5	22.3	22.4	22.3	22.2	22.1	21.9	22.1	21.9	22.2	22.2	22.2	22.4	22.4	22.4	22.5	21.9	22.6	22.3
Oct 2	22.5	22.5	22.6	22.6	22.6	22.5	22.5	22.5	22.5	22.4	22.4	22.2	22.3	22.2	22.0	22.1	22.2	22.3	22.4	22.4	22.5	22.5	22.4	22.5	22.0	22.6	22.4
Oct 3	22.5	22.5	22.5	22.5	22.5	22.5	22.6	22.4	22.5	22.5	22.4	22.1	**23.3**	23.2	22.9	22.6	22.1	22.3	22.1	22.5	22.6	22.5	22.5	22.4	22.1	**23.3**	22.5
Oct 4	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.3	22.3	22.3	21.9	22.2	22.8	22.8	22.3	21.9	22.3	22.3	22.4	22.4	22.4	22.3	21.9	22.8	22.3
Oct 5	22.5	22.4	22.4	22.5	22.4	22.4	22.5	22.4	22.4	22.5	22.6	22.9	23.0	22.9	23.0	22.8	22.8	22.8	22.6	22.1	22.2	22.3	22.2	22.3	22.1	23.0	22.5
Oct 6	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.7	22.6	22.6	23.0	22.9	22.5	22.3	22.0	22.0	22.1	22.2	22.4	22.3	22.0	21.9	22.1	22.0	21.9	23.0	22.4
Oct 7	22.1	22.2	22.2	22.2	22.1	22.3	22.2	22.2	22.4	23.0	22.7	22.2	21.9	22.2	22.4	22.4	22.5	22.6	22.8	23.0	22.8	22.5	22.4	22.4	21.9	23.0	22.4
Oct 8	22.4	22.1	21.8	22.0	22.0	22.1	22.0	22.2	22.4	22.7	23.0	22.4	22.1	22.0	22.4	22.4	22.5	22.8	22.4	22.1	22.3	22.4	22.3	22.4	21.8	23.0	**22.3**
Oct 9	22.4	22.5	22.7	22.7	22.7	22.7	22.7	22.8	22.7	22.5	22.4	22.5	22.6	22.9	22.4	22.1	22.5	22.6	22.0	22.3	22.3	22.3	22.4	22.4	22.0	22.9	22.5
Oct 10	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.5	22.5	22.8	22.8	22.7	22.7	22.6	22.7	22.0	22.4	22.6	22.5	22.7	22.7	22.0	22.8	22.6
Oct 11	22.7	22.7	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.6	22.5	22.4	22.9	22.8	22.7	22.4	22.5	22.7	22.1	22.4	22.6	22.6	22.7	22.7	22.1	22.9	22.6
Oct 12	22.7	22.7	22.8	22.7	22.8	22.8	22.8	22.8	22.9	22.6	22.3	22.5	22.8	22.7	22.4	22.0	22.4	22.7	22.2	22.1	22.3	22.2	22.2	22.3	22.0	22.9	22.5
Oct 13	22.3	22.3	22.4	22.2	22.2	22.2	22.2	22.2	22.3	22.1	22.7	22.9	22.2	**21.7**	**21.7**	**21.7**	21.9	22.3	22.8	23.0	23.1	23.1	23.0	23.1	**21.7**	23.1	22.4
Oct 14	23.1	23.1	22.6	22.0	22.1	22.2	22.1	22.0	22.0	22.3	23.0	22.9	22.6	22.5	22.3	22.3	22.6	22.6	22.8	23.1	22.8	22.3	22.1	22.3	22.0	23.1	22.5
Oct 15	22.4	22.5	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.4	22.2	22.7	23.0	22.7	22.4	22.3	22.2	22.4	22.1	22.3	22.3	22.4	22.4	22.6	22.1	23.0	22.5
Oct 16	22.6	22.7	22.6	22.6	22.6	22.6	22.5	22.4	22.5	22.2	22.3	22.2	22.5	22.7	22.9	22.9	22.7	22.2	22.3	22.4	22.4	22.4	22.4	22.6	22.2	22.9	22.5
Oct 17	22.6	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.7	22.6	22.4	22.4	22.3	22.3	22.3	22.3	22.4	22.4	22.5	22.6	22.7	22.5	22.6	22.3	22.7	22.5
Oct 18	22.6	22.7	22.8	22.7	22.7	22.7	22.8	22.8	22.8	22.6	22.5	22.2	22.2	22.1	22.1	22.1	22.3	22.3	22.4	22.4	22.4	22.5	22.4	22.5	22.1	22.8	22.5
Oct 19	22.6	22.5	22.6	22.6	22.4	22.5	22.4	22.4	22.5	22.4	22.4	22.3	22.3	22.1	22.2	22.3	22.2	22.2	22.4	22.3	22.4	22.6	22.5	22.6	22.1	22.6	22.4
Oct 20	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.5	22.4	22.5	22.4	22.3	22.4	22.5	22.5	22.5	22.6	22.5	22.6	22.6	22.6	22.3	22.7	22.6
Oct 21	22.7	22.7	22.7	22.8	22.9	22.8	22.7	22.8	22.8	22.8	22.7	22.5	22.4	22.2	22.3	22.4	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.2	22.9	22.7
Oct 22	22.8	22.9	22.9	23.1	23.2	23.2	23.1	23.1	23.2	23.0	22.7	22.6	22.4	22.3	22.3	22.2	22.4	22.4	22.6	22.6	22.6	22.5	22.5	22.6	22.2	23.2	**22.7**
Oct 23	22.7	22.6	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.6	22.3	22.2	22.2	22.0	21.9	22.0	22.3	22.5	22.6	22.7	22.7	22.6	22.6	21.9	22.8	22.5
Oct 24	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.7	22.6	22.5	22.3	22.0	21.9	22.3	22.0	22.2	22.4	22.6	22.7	22.6	22.8	22.8	22.8	21.9	22.8	22.5
Oct 25	22.8	22.9	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.6	22.4	22.0	22.1	22.1	22.0	21.8	22.2	22.6	22.8	22.8	22.8	22.7	22.7	21.8	22.9	22.6
Oct 26	22.7	22.7	22.7	22.7	22.7	22.8	22.7	22.6	22.5	22.6	22.5	22.5	22.4	22.4	22.3	22.3	22.4	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.3	22.8	22.6
Oct 27	22.7	22.6	22.6	22.7	22.6	22.6	22.6	22.6	22.5	22.5	22.5	22.5	22.3	22.3	22.4	22.4	22.3	22.5	22.7	22.8	22.8	22.9	22.9	22.8	22.3	22.9	22.6
Oct 28	22.7	22.7	22.7	22.7	22.6	22.5	22.6	22.6	22.6	22.6	22.4	22.4	22.4	22.5	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.4	22.7	22.6
Oct 29	22.7	22.8	22.7	22.9	23.0	23.1	23.1	23.1	23.0	22.8	22.7	22.4	22.4	22.2	22.1	22.1	22.1	22.4	22.6	22.7	22.6	22.6	22.7	22.7	22.1	23.1	22.6
Oct 30	22.8	22.7	22.6	22.6	22.6	22.7	22.6	22.7	22.6	22.6	22.5	22.2	22.2	22.0	22.2	22.3	22.3	22.6	22.7	22.8	22.8	22.8	22.8	22.8	22.0	22.8	22.6
Oct 31	22.8	22.9	22.9	22.9	22.8	22.8	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.6	22.7	22.7	22.7	22.6	22.9	22.7
Diurnal Maximum	23.1	23.1	22.9	23.1	23.2	23.2	23.1	23.1	23.2	23.0	23.0	22.9	23.3	23.2	23.0	22.9	22.8	22.8	22.8	23.1	23.1	23.1	23.0	23.1			
Diurnal Average	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5	22.4	22.4	22.4	22.3	22.3	22.3	22.4	22.5	22.5	22.5	22.5	22.5	22.6			

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

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



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

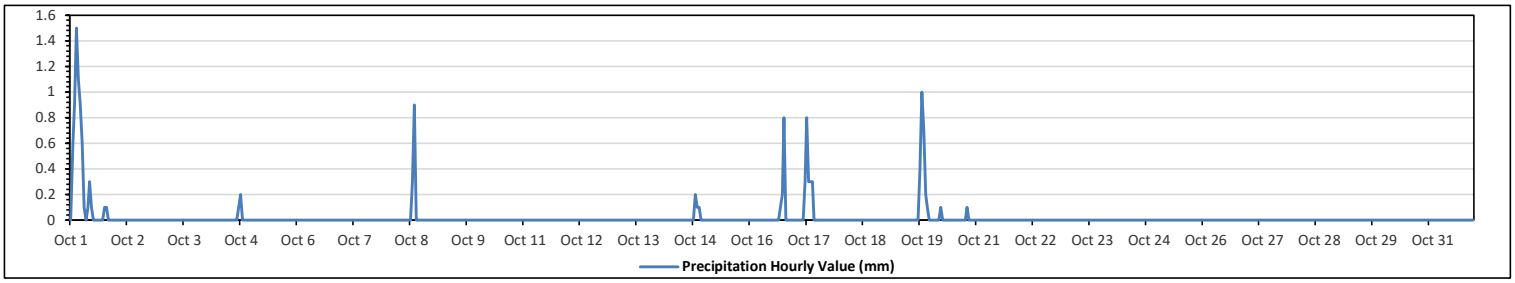
PRECIPITATION in mm

Maximum Hourly Value:	1.5	mm	on Oct 1 at hr 3	Hours in Service:	744	
Maximum Daily Value:	6.4	mm	on Oct 1	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on Oct 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on Oct 2	Hours of Calibration:	0	
Monthly Total:	14.0	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			
Oct 1	0	0.6	0.9	**1.5**	1.1	0.9	0.6	0.1	0	0.1	0.3	0.1	0	0	0	0	0	0	0.1	0.1	0	0	0	0	0.0	**1.5**	**6.4**
Oct 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
Oct 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0	0	0	0	0	0.0	0.2	0.3
Oct 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
Oct 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
Oct 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
Oct 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9	0	0	0	0	0	0	0	0	0	0.0	0.9	1.2
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0	0	0.0	0.2	0.4
Oct 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
Oct 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	0.8	0	0	0	0	0	0.0	0.8	1.1
Oct 17	0	0	0	0	0	0.3	0.8	0.3	0.3	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.8	2.0
Oct 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
Oct 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1	0.7	0.2	0.1	0	0.0	1.0	2.4
Oct 20	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0.0	0.1	0.2
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 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
Oct 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Oct 31	0	0	0	0	0	0	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	0.0	0.6	0.9	1.5	1.1	0.9	0.8	0.3	0.3	0.3	0.3	0.1	0.0	0.3	0.9	0.0	0.1	0.2	0.8	1.0	0.7	0.2	0.1	0.0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Reno-B Station - October 2024

Summary of Hourly Averages

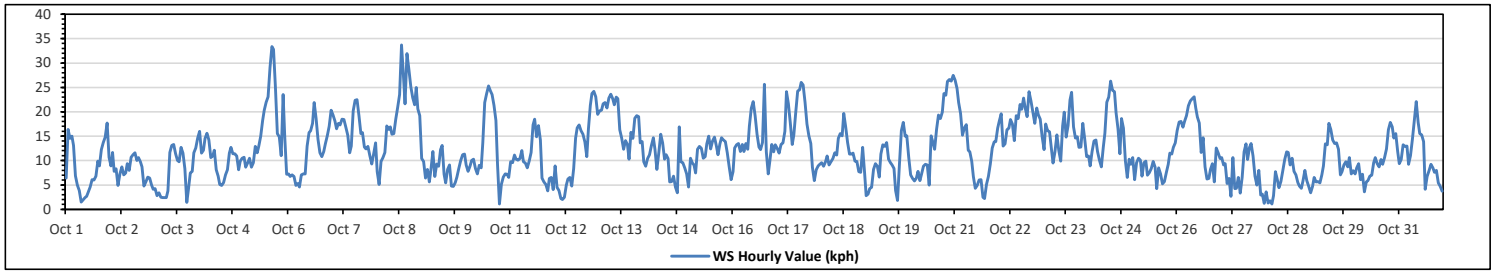
VECTOR WIND SPEED (VWS) in km/hr

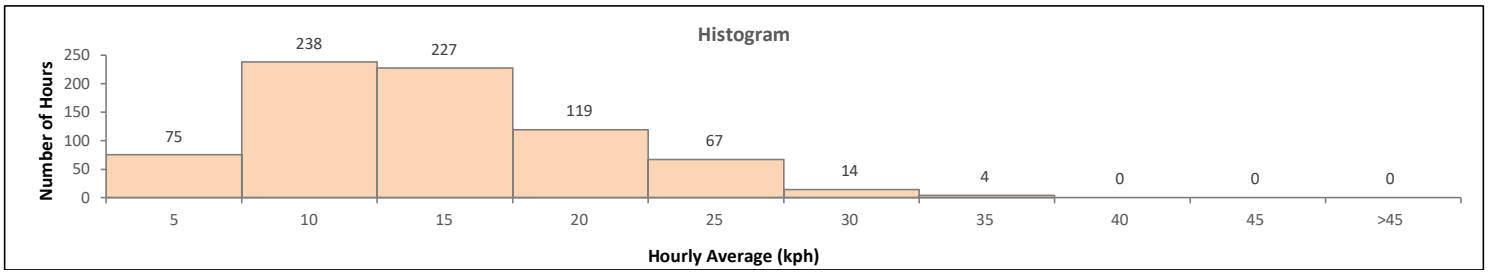
Maximum Hourly Value:	33.7	kph	on Oct 8 at hr 13	Hours in Service:	744	
Maximum Daily Value:	19.5	kph	on Oct 8	Hours of Data:	744	
Minimum Hourly Value:	1.1	kph	on Oct 10 at hr 18	Hours of Missing Data:	0	
Minimum Daily Value:	6.2	kph	on Oct 28	Hours of Calibration:	0	
Monthly Average:	4.2	kph		Operational 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
Oct 1	6.4	16.4	14.5	15.0	13.1	6.9	5.0	3.9	1.5	1.9	2.4	2.7	3.5	4.6	6.1	6.0	6.8	9.9	8.9	12.2	13.7	14.8	17.7	10.7	1.5	17.7	8.5
Oct 2	8.9	11.7	7.8	8.3	4.9	7.3	8.7	7.1	7.4	9.4	8.0	10.7	11.2	11.6	10.0	10.6	9.7	8.7	4.8	5.6	6.6	6.4	5.0	4.1	4.1	11.7	8.1
Oct 3	4.2	2.8	3.4	2.5	2.4	2.4	2.4	3.8	11.7	13.1	13.3	11.4	10.0	9.7	12.7	11.5	8.3	1.4	4.0	7.4	7.8	11.6	12.6	14.6	1.4	14.6	7.7
Oct 4	16.0	11.5	12.1	14.5	15.6	14.2	10.6	10.9	12.1	8.1	6.8	5.1	4.9	5.5	7.1	8.1	11.5	12.7	11.4	11.4	10.9	8.1	9.9	10.5	4.9	16.0	10.4
Oct 5	10.7	8.6	9.5	10.5	8.6	9.6	12.9	11.6	13.0	15.0	18.2	20.3	22.0	23.1	29.0	33.4	32.8	25.0	15.5	14.9	11.0	23.5	15.0	7.2	7.2	33.4	16.7
Oct 6	7.3	6.7	7.1	6.7	4.9	5.3	4.6	7.1	7.3	7.3	13.0	15.7	16.1	17.6	21.9	18.7	14.3	11.6	10.8	11.9	13.4	15.1	17.0	20.3	4.6	21.9	11.7
Oct 7	19.3	18.1	16.5	17.6	17.3	18.5	18.4	16.8	15.2	11.6	13.0	20.2	22.3	22.5	19.2	15.5	15.7	12.8	12.4	12.9	11.0	9.3	11.4	13.6	9.3	22.5	15.9
Oct 8	7.7	5.1	9.8	10.6	11.7	17.1	16.4	16.9	15.4	15.5	18.5	20.9	23.5	**33.7**	28.5	21.6	31.9	28.7	25.2	22.9	21.4	25.0	20.6	19.2	5.1	**33.7**	**19.5**
Oct 9	10.4	9.8	6.4	8.2	5.6	8.2	11.9	6.7	9.3	8.8	12.2	13.1	7.2	5.4	8.2	9.1	4.8	4.7	5.5	6.6	8.4	10.0	11.2	11.3	4.7	13.1	8.5
Oct 10	9.1	7.8	8.8	10.0	10.3	8.4	7.3	9.0	8.5	13.6	21.9	23.7	25.3	24.3	23.5	21.3	18.2	9.2	**1.1**	5.1	6.6	7.3	7.2	6.5	**1.1**	25.3	12.3
Oct 11	9.7	9.6	11.1	10.3	10.1	10.4	12.0	9.7	9.5	8.5	9.9	11.7	17.3	18.5	14.9	17.2	14.2	6.4	5.6	5.1	3.8	6.3	6.5	4.0	3.8	18.5	10.1
Oct 12	8.9	4.5	3.9	2.2	2.0	2.5	5.0	6.2	6.5	4.8	8.4	14.6	16.7	17.3	16.1	15.4	13.8	10.8	16.4	21.3	23.7	24.2	23.1	19.5	2.0	24.2	12.0
Oct 13	20.2	20.3	21.6	21.9	20.8	22.8	23.6	22.7	21.4	23.0	22.7	16.3	14.6	12.3	14.1	13.3	10.3	15.8	14.5	18.7	19.2	19.0	13.6	13.9	10.3	23.6	18.2
Oct 14	9.7	8.8	10.4	11.2	13.1	14.7	12.3	8.2	11.6	15.4	13.6	10.3	11.2	10.4	5.6	5.7	6.8	4.6	3.4	16.9	9.7	9.6	8.5	7.3	3.4	16.9	10.0
Oct 15	4.6	10.5	9.5	9.1	7.4	12.3	12.9	12.5	10.5	10.8	13.4	15.0	12.4	14.0	14.8	13.0	11.2	13.4	14.7	14.2	13.9	11.6	8.7	6.1	4.6	15.0	11.5
Oct 16	7.7	12.6	13.2	13.5	11.9	13.3	11.9	13.5	12.3	17.0	20.7	22.1	19.2	15.4	12.8	12.2	13.7	25.6	11.8	7.3	9.9	13.3	11.8	13.2	7.3	25.6	14.0
Oct 17	12.5	11.5	13.3	13.6	16.0	24.1	21.6	17.7	13.3	15.3	19.9	24.3	24.5	26.0	25.5	22.0	17.5	15.1	13.5	8.6	5.9	8.1	8.9	9.2	5.9	26.0	16.2
Oct 18	9.6	8.8	9.7	10.9	9.1	9.7	10.4	11.6	11.1	14.5	15.5	15.1	19.7	16.9	13.7	11.3	11.3	11.5	9.9	9.8	7.7	7.6	12.7	7.6	7.6	19.7	11.5
Oct 19	2.8	3.1	4.2	4.5	8.2	9.4	8.8	6.6	11.3	13.2	12.9	13.7	10.3	9.6	9.1	8.4	3.9	1.8	9.2	16.1	17.8	15.0	15.1	10.7	1.8	17.8	9.4
Oct 20	7.1	6.3	5.8	6.4	7.8	5.9	7.2	8.8	9.2	9.1	5.0	15.1	13.9	12.3	16.4	19.3	18.6	19.9	23.7	23.4	26.2	26.6	26.3	27.5	5.0	27.5	14.5
Oct 21	26.5	24.8	21.9	19.7	15.2	16.7	17.4	12.1	11.8	9.8	6.7	4.3	4.9	6.0	6.1	2.5	2.2	5.1	6.7	9.3	12.6	13.8	13.9	16.6	2.2	26.5	11.9
Oct 22	18.1	19.6	13.0	13.4	16.3	16.6	18.4	17.5	14.1	19.2	18.6	21.5	20.5	22.8	20.8	19.0	24.1	22.2	19.9	17.6	20.8	19.4	18.5	14.9	13.0	24.1	18.6
Oct 23	12.2	17.5	16.1	15.9	12.4	9.5	11.8	15.3	12.0	9.9	17.1	19.9	14.8	17.2	22.4	24.0	16.9	14.6	14.9	12.7	12.8	17.6	14.4	10.8	9.5	24.0	15.1
Oct 24	10.9	8.9	11.9	14.0	14.2	11.9	10.1	8.7	12.7	15.6	22.0	23.0	26.3	24.4	24.1	19.8	16.5	11.4	18.6	16.6	10.0	6.5	10.3	9.2	6.5	26.3	14.9
Oct 25	10.6	6.1	9.6	10.5	10.1	6.8	9.6	9.9	7.0	7.5	8.4	9.8	8.6	4.2	8.5	7.3	5.2	5.7	7.5	9.2	11.5	11.3	12.7	13.6	4.2	13.6	8.8
Oct 26	16.2	17.9	18.0	16.8	18.0	19.2	21.2	22.2	22.7	23.1	20.8	18.9	17.7	11.7	14.7	8.7	6.2	6.3	8.2	9.4	5.6	12.6	11.6	10.4	5.6	23.1	14.9
Oct 27	10.6	9.1	9.4	5.3	6.3	2.7	10.6	4.2	4.3	6.5	3.3	6.5	11.8	13.4	10.2	12.7	13.5	10.9	6.8	5.0	8.0	2.9	3.1	1.2	1.2	13.5	7.4
Oct 28	3.6	1.3	1.7	**1.1**	2.8	7.7	6.3	4.4	5.7	7.9	10.2	11.8	11.7	9.1	10.5	7.8	7.1	5.5	4.8	4.3	5.8	8.0	5.9	4.7	**1.1**	11.8	**6.2**
Oct 29	3.4	4.7	6.5	5.6	5.7	5.4	7.1	8.9	13.4	13.2	17.6	16.4	14.2	13.5	13.6	12.3	7.1	7.7	9.1	9.7	8.7	10.6	7.3	7.9	3.4	17.6	9.6
Oct 30	7.3	8.5	9.4	6.1	7.2	3.6	5.6	5.9	6.8	7.0	9.6	10.6	9.4	8.7	10.2	9.2	10.6	12.4	16.3	17.8	16.9	14.6	15.5	11.9	3.6	17.8	10.0
Oct 31	9.4	10.2	13.2	12.9	13.0	9.2	11.0	14.3	18.2	22.1	17.8	15.5	15.3	13.9	4.1	6.7	7.9	9.2	8.5	7.6	8.0	5.4	4.7	3.7	3.7	22.1	10.9
Diurnal Maximum	26.5	24.8	21.9	21.9	20.8	24.1	23.6	22.7	22.7	23.1	22.7	24.3	26.3	33.7	29.0	33.4	32.8	28.7	25.2	23.4	26.2	26.6	26.3	27.5			
Diurnal Average	10.4	10.4	10.6	10.6	10.4	10.7	11.4	10.8	11.2	12.2	13.6	14.8	14.9	14.7	14.7	13.7	12.7	11.6	11.1	12.0	11.9	12.7	12.3	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.



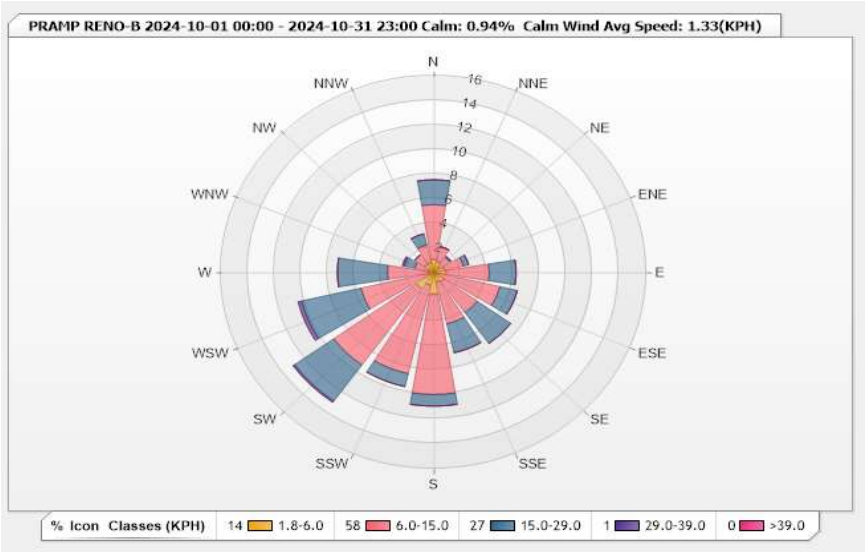


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 10-2024

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

Calm (WS<1.8kph): 0.94% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.08	4.44	2.02	0	0	7.54
NNE	0.94	1.21	0	0	0	2.15
NE	0.54	0.94	0.13	0	0	1.61
ENE	0.81	1.48	0.4	0	0	2.69
E	0.94	3.23	2.02	0	0	6.19
ESE	0.27	4.84	1.34	0	0	6.45
SE	0.94	3.09	3.09	0	0	7.12
SSE	0.81	3.49	2.42	0	0	6.72
S	1.75	8.2	0.94	0	0	10.89
SSW	1.08	7.39	1.08	0	0	9.55
SW	1.61	7.66	3.63	0.13	0	13.03
WSW	0.4	5.24	4.57	0.27	0	10.48
W	0.4	3.09	3.76	0	0	7.25
WNW	0.4	1.08	0.81	0.13	0	2.42
NW	0.81	0.94	0	0	0	1.75
NNW	0.81	1.48	0.94	0	0	3.23
Summary	13.59	57.8	27.15	0.53	0	99.07



Peace River Area Monitoring Program

Reno-B Station - October 2024

Summary of Hourly Averages

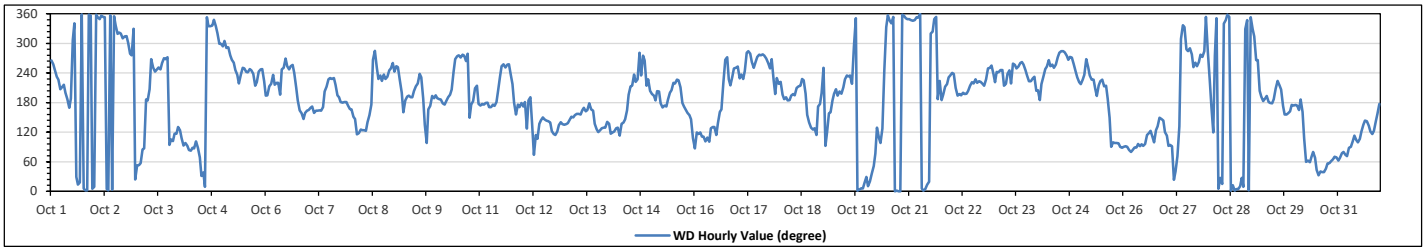
WIND DIRECTION (VWD) in sector

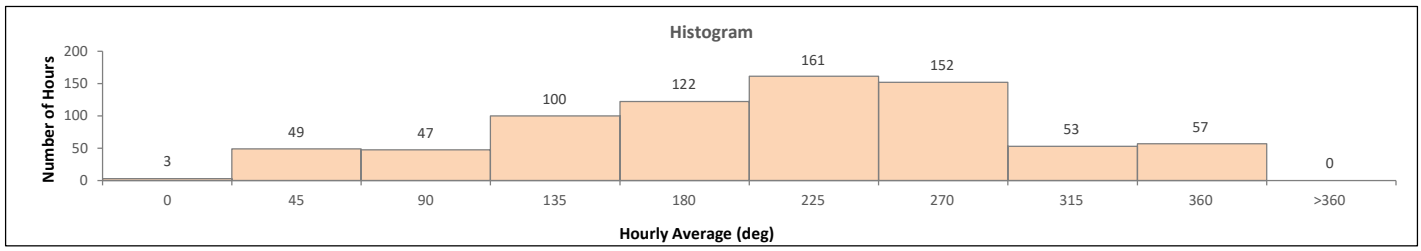
Monthly Average:	206 (SSW)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Oct 1	W	WSW	WSW	SW	SW	SSW	SSW	SW	SSW	S	SSE	S	NW	NNW	NNE	NNE	NNE	N	N	N	N	N	N	N	315	NW
Oct 2	N	N	N	NNW	N	N	N	N	N	N	N	N	NNW	NW	NW	NW	NW	NW	NW	WNW	W	W	NNW	NNE	338	NNW
Oct 3	NE	NE	ENE	E	E	S	S	SSW	W	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	E	ESE	E	ESE	ESE	SE	215	SSW
Oct 4	ESE	ESE	E	E	E	E	E	E	E	E	E	ENE	NNE	NE	N	N	NNW	NNW	NNW	NNW	NNW	NW	WNW	WNW	49	NE
Oct 5	WNW	WNW	WNW	WNW	W	W	W	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SW	WSW	WSW	WSW	SW	247	WSW
Oct 6	SSW	SSW	SSW	SW	SW	SW	SW	SW	SSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	SSW	S	SSE	SSE	SE	SSE	SSE	215	SSW
Oct 7	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	S	S	S	S	S	S	SSE	188	S
Oct 8	SSE	SSE	SE	ESE	ESE	SE	ESE	ESE	ESE	SE	SSE	S	W	WNW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	214	SSW
Oct 9	WSW	WSW	WSW	SW	SSW	SSE	S	S	SSW	S	S	SSW	SSW	SW	SW	SW	S	SE	E	SSE	S	S	S	SSW	200	SSW
Oct 10	S	S	S	S	S	S	S	SSW	SSW	WSW	W	W	W	W	W	W	W	W	SSE	S	S	SSW	SSW	S	241	WSW
Oct 11	S	S	S	S	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	S	SSE	S	S	S	208	SSW
Oct 12	S	S	SE	S	S	SE	ENE	ESE	ESE	SE	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SE	SE	SE	SE	135	SE
Oct 13	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SE	SE	ESE	ESE	SE	SE	SE	SE	148	SE
Oct 14	SE	ESE	ESE	ESE	SE	SE	ESE	SE	SE	SE	SSE	SSW	SSW	SSW	SW	SW	SW	W	SW	W	W	SSW	SW	SSW	174	S
Oct 15	SSW	SSW	S	SSW	SSW	S	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	SSW	S	S	SSE	SSE	SSE	SE	ESE	188	S
Oct 16	E	ESE	ESE	ESE	ESE	ESE	E	ESE	E	SE	SE	SE	ESE	SE	SSE	SSE	SW	W	W	SW	SSW	SW	WSW	WSW	150	SSE
Oct 17	WSW	SW	SW	SW	WSW	W	WNW	W	W	WSW	W	W	W	W	W	W	W	WSW	WSW	W	SW	SSW	SW	SW	262	W
Oct 18	SW	SSW	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSE	SE	SE	SE	SE	ESE	S	S	SSW	188	S
Oct 19	WSW	E	ESE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WNW	N	N	N	N	N	NNE	237	SW
Oct 20	NNE	N	NNE	NE	NE	ENE	SE	ESE	E	SE	WSW	NNW	N	NNW	NNW	N	N	N	N	N	N	N	N	NNW	4	N
Oct 21	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNE	NNE	NW	NW	NNW	N	S	SW	S	SSW	SSW	SW	SW	SW	332	NNW
Oct 22	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	WSW	WSW	WSW	SW	221	SW
Oct 23	SW	WSW	WSW	WSW	WSW	SSW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	SW	SW	SW	SW	SW	SSW	241	WSW
Oct 24	SSW	S	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	W	WNW	WNW	W	W	W	W	W	WSW	WSW	SW	SW	260	WSW
Oct 25	SW	SW	SW	W	WSW	SW	SW	SW	SSW	S	SSW	SW	SW	SSW	SSW	S	SSE	E	E	E	E	E	E	E	189	S
Oct 26	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	E	ESE	SE	SSE	SE	SE	ESE	100	E
Oct 27	ESE	E	E	E	NNE	NE	ENE	SE	NW	NNW	NNW	WNW	WNW	WNW	W	WSW	W	WSW	W	W	W	WNW	N	W	290	WNW
Oct 28	SW	S	ESE	W	N	N	NNE	NNE	NNW	NNW	N	N	N	NNE	N	N	N	N	NNE	N	NNW	NNW	N	N	360	N
Oct 29	NNW	NW	W	W	SSW	S	S	S	S	S	S	S	S	SSW	SW	SSW	SSW	S	SSE	SSE	SSE	SSE	S	S	191	S
Oct 30	S	S	SSE	S	SSE	ESE	ENE	ENE	ENE	ENE	E	ENE	NE	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	69	ENE
Oct 31	ENE	ENE	ENE	E	ENE	ENE	E	E	E	ESE	ESE	E	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	S	103	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 (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 - October 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	33.7	kph	on Oct 8 at hr 13	Hours in Service:	744
Maximum Daily Value:	19.5	kph	on Oct 8	Hours of Data:	744
Minimum Hourly Value:	1.1	kph	on Oct 10 at hr 18	Hours of Missing Data:	0
Minimum Daily Value:	6.2	kph	on Oct 28	Hours of Calibration:	0
Monthly Average:	4.2	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 206 degree (SSW)

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	6.4	16.4	14.5	15.0	13.1	6.9	5.0	3.9	1.5	1.9	2.4	2.7	3.5	4.6	6.1	6.0	6.8	9.9	8.9	12.2	13.7	14.8	17.7	10.7	1.5	17.7	8.5
	W	WSW	WSW	SW	SW	SSW	SSW	SW	SSW	S	SSE	S	NW	NNW	NNE	NNE	NNE	N	N	N	N	N	N	N			315(NW)
Oct 2	8.9	11.7	7.8	8.3	4.9	7.3	8.7	7.1	7.4	9.4	8.0	10.7	11.2	11.6	10.0	10.6	9.7	8.7	4.8	5.6	6.6	6.4	5.0	4.1	4.1	11.7	8.1
	N	N	N	NNW	N	N	N	N	N	N	N	N	NNW	NW	NW	NW	NW	NW	NW	WNW	W	W	NNW	NNE			338(NNW)
Oct 3	4.2	2.8	3.4	2.5	2.4	2.4	2.4	3.8	11.7	13.1	13.3	11.4	10.0	9.7	12.7	11.5	8.3	1.4	4.0	7.4	7.8	11.6	12.6	14.6	1.4	14.6	7.7
	NE	NE	ENE	E	E	S	S	SSW	W	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	E	ESE	E	ESE	ESE	SE			215(SSW)
Oct 4	16.0	11.5	12.1	14.5	15.6	14.2	10.6	10.9	12.1	8.1	6.8	5.1	4.9	5.5	7.1	8.1	11.5	12.7	11.4	11.4	10.9	8.1	9.9	10.5	4.9	16.0	10.4
	ESE	ESE	E	E	E	E	E	E	E	E	E	ENE	NNE	NE	N	N	NNW	NNW	NNW	NNW	NNW	NW	WNW	WNW			49(NE)
Oct 5	10.7	8.6	9.5	10.5	8.6	9.6	12.9	11.6	13.0	15.0	18.2	20.3	22.0	23.1	29.0	33.4	32.8	25.0	15.5	14.9	11.0	23.5	15.0	7.2	7.2	33.4	16.7
	WNW	WNW	WNW	WNW	W	W	W	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SW	WSW	WSW	WSW	SW			247(WSW)
Oct 6	7.3	6.7	7.1	6.7	4.9	5.3	4.6	7.1	7.3	7.3	13.0	15.7	16.1	17.6	21.9	18.7	14.3	11.6	10.8	11.9	13.4	15.1	17.0	20.3	4.6	21.9	11.7
	SSW	SSW	SSW	SW	SW	SW	SW	SW	SSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	SSW	S	SSE	SSE	SE	SSE	SSE			215(SSW)
Oct 7	19.3	18.1	16.5	17.6	17.3	18.5	18.4	16.8	15.2	11.6	13.0	20.2	22.3	22.5	19.2	15.5	15.7	12.8	12.4	12.9	11.0	9.3	11.4	13.6	9.3	22.5	15.9
	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	SW	SW	SW	SW	SW	SSW	S	S	S	S	S	S	SSE			188(S)
Oct 8	7.7	5.1	9.8	10.6	11.7	17.1	16.4	16.9	15.4	15.5	18.5	20.9	23.5	**33.7**	28.5	21.6	31.9	28.7	25.2	22.9	21.4	25.0	20.6	19.2	5.1	**33.7**	**19.5**
	SSE	SSE	SE	ESE	ESE	SE	ESE	ESE	ESE	SE	SSE	S	W	WNW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW			214(SSW)
Oct 9	10.4	9.8	6.4	8.2	5.6	8.2	11.9	6.7	9.3	8.8	12.2	13.1	7.2	5.4	8.2	9.1	4.8	4.7	5.5	6.6	8.4	10.0	11.2	11.3	4.7	13.1	8.5
	WSW	WSW	WSW	SW	SSW	SSE	S	S	SSW	S	S	SSW	SSW	SW	SW	SW	S	SE	E	SSE	S	S	S	SSW			200(SSW)
Oct 10	9.1	7.8	8.8	10.0	10.3	8.4	7.3	9.0	8.5	13.6	21.9	23.7	25.3	24.3	23.5	21.3	18.2	9.2	**1.1**	5.1	6.6	7.3	7.2	6.5	**1.1**	25.3	12.3
	S	S	S	S	S	S	S	SSW	SSW	WSW	W	W	W	W	W	W	W	W	SSE	S	S	SSW	SSW	S			241(WSW)
Oct 11	9.7	9.6	11.1	10.3	10.1	10.4	12.0	9.7	9.5	8.5	9.9	11.7	17.3	18.5	14.9	17.2	14.2	6.4	5.6	5.1	3.8	6.3	6.5	4.0	3.8	18.5	10.1
	S	S	S	S	S	S	S	S	S	S	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	S	SSE	S	S	S			208(SSW)
Oct 12	8.9	4.5	3.9	2.2	2.0	2.5	5.0	6.2	6.5	4.8	8.4	14.6	16.7	17.3	16.1	15.4	13.8	10.8	16.4	21.3	23.7	24.2	23.1	19.5	2.0	24.2	12.0
	S	S	SE	S	S	SE	ENE	ESE	ESE	SE	SE	SSE	SE	SE	SE	SE	ESE	ESE	ESE	ESE	SE	SE	SE	SE			135(SE)
Oct 13	20.2	20.3	21.6	21.9	20.8	22.8	23.6	22.7	21.4	23.0	22.7	16.3	14.6	12.3	14.1	13.3	10.3	15.8	14.5	18.7	19.2	19.0	13.6	13.9	10.3	23.6	18.2
	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SE	SE	ESE	ESE	SE	SE	SE	SE			148(SE)
Oct 14	9.7	8.8	10.4	11.2	13.1	14.7	12.3	8.2	11.6	15.4	13.6	10.3	11.2	10.4	5.6	5.7	6.8	4.6	3.4	16.9	9.7	9.6	8.5	7.3	3.4	16.9	10.0
	SE	ESE	ESE	ESE	SE	SE	ESE	SE	SE	SE	SSE	SSW	SSW	SSW	SW	SW	SW	W	SW	W	W	SSW	SW	SSW			174(S)
Oct 15	4.6	10.5	9.5	9.1	7.4	12.3	12.9	12.5	10.5	10.8	13.4	15.0	12.4	14.0	14.8	13.0	11.2	13.4	14.7	14.2	13.9	11.6	8.7	6.1	4.6	15.0	11.5
	SSW	SSW	S	SSW	SSW	S	SSE	S	S	S	SSW	SSW	SW	SW	SW	SW	SSW	S	S	SSE	SSE	SSE	SE	ESE			188(S)
Oct 16	7.7	12.6	13.2	13.5	11.9	13.3	11.9	13.5	12.3	17.0	20.7	22.1	19.2	15.4	12.8	12.2	13.7	25.6	11.8	7.3	9.9	13.3	11.8	13.2	7.3	25.6	14.0
	E	ESE	ESE	ESE	ESE	ESE	E	ESE	E	SE	SE	SE	ESE	SE	SSE	SSE	SW	W	W	SW	SSW	SW	WSW	WSW			150(SSE)
Oct 17	12.5	11.5	13.3	13.6	16.0	24.1	21.6	17.7	13.3	15.3	19.9	24.3	24.5	26.0	25.5	22.0	17.5	15.1	13.5	8.6	5.9	8.1	8.9	9.2	5.9	26.0	16.2
	WSW	SW	SW	SW	WSW	W	WNW	W	W	WSW	W	W	W	W	W	W	W	WSW	WSW	W	SW	SSW	SW	SW			262(W)
Oct 18	9.6	8.8	9.7	10.9	9.1	9.7	10.4	11.6	11.1	14.5	15.5	15.1	19.7	16.9	13.7	11.3	11.3	11.5	9.9	9.8	7.7	7.6	12.7	7.6	7.6	19.7	11.5
	SW	SSW	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSE	SE	SE	SE	SE	ESE	S	S	SSW			188(S)
Oct 19	2.8	3.1	4.2	4.5	8.2	9.4	8.8	6.6	11.3	13.2	12.9	13.7	10.3	9.6	9.1	8.4	3.9	1.8	9.2	16.1	17.8	15.0	15.1	10.7	1.8	17.8	9.4
	WSW	E	ESE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WNW	N	N	N	N	N	NNE			237(SW)
Oct 20	7.1	6.3	5.8	6.4	7.8	5.9	7.2	8.8	9.2	9.1	5.0	15.1	13.9	12.3	16.4	19.3	18.6	19.9	23.7	23.4	26.2	26.6	26.3	27.5	5.0	27.5	14.5
	NNE	N	NNE	NE	NE	ENE	SE	ESE	E	SE	WSW	NNW	N	NNW	NNW	N	N	N	N	N	N	N	N	NNW			4(N)
Oct 21	26.5	24.8	21.9	19.7	15.2	16.7	17.4	12.1	11.8	9.8	6.7	4.3	4.9	6.0	6.1	2.5	2.2	5.1	6.7	9.3	12.6	13.8	13.9	16.6	2.2	26.5	11.9
	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNE	NNE	NW	NW	NNW	N	S	SW	S	SSW	SSW	SW	SW	SW			332(NNW)
Oct 22	18.1	19.6	13.0	13.4	16.3	16.6	18.4	17.5	14.1	19.2	18.6	21.5	20.5	22.8	20.8	19.0	24.1	22.2	19.9	17.6	20.8	19.4	18.5	14.9	13.0	24.1	18.6
	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	WSW	WSW	WSW	SW			221(SW)
Oct 23	12.2	17.5	16.1	15.9	12.4	9.5	11.8	15.3	12.0	9.9	17.1	19.9	14.8	17.2	22.4	24.0	16.9	14.6	14.9	12.7	12.8	17.6	14.4	10.8	9.5	24.0	15.1
	SW	WSW	WSW	WSW	WSW	SSW	SW	SW	WSW	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	SW	SW	SW	SW	SW	SSW			241(WSW)
Oct 24	10.9	8.9	11.9	14.0	14.2	11.9	10.1	8.7	12.7	15.6	22.0	23.0	26.3	24.4	24.1	19.8	16.5	11.4	18.6	16.6	10.0	6.5	10.3	9.2	6.5	26.3	14.9
	SSW	S	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	W	W	WNW	WNW	W	W	W	W	W	WSW	WSW	SW	SW			260(WSW)
Oct 25	10.6	6.1	9.6	10.5	10.1	6.8	9.6	9.9	7.0	7.5	8.4	9.8	8.6	4.2	8.5	7.3	5.2	5.7	7.5	9.2	11.5	11.3	12.7	13.6	4.2	13.6	8.8
	SW	SW	SW	W	WSW	SW	SW	SW	SSW	S	SSW	SW	SW	SSW	SSW	S	SSE	E	E	E	E	E	E	E			189(S)
Oct 26	16.2	17.9	18.0	16.8	18.0	19.2	21.2	22.2	22.7	23.1	20.8	18.9	17.7	11.7	14.7	8.7	6.2	6.3	8.2	9.4	5.6	12.6	11.6	10.4	5.6	23.1	14.9
	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	ESE	E	ESE	SE	SSE	SE	SE	ESE			100(E)
Oct 27	10.6	9.1	9.4	5.3	6.3	2.7	10.6	4.2	4.3	6.5	3.3	6.5	11.8	13.4	10.2	12.7	13.5	10.9	6.8	5.0	8.0	2.9	3.1	1.2	1.2	13.5	7.4
	ESE	E	E	E	NNE	NE	ENE	SE	NW	NNW	NNW	WNW	WNW	WNW	W	WSW	W	WSW	W	W	W	WNW	N	W			290(WNW)
Oct 28	3.6	1.3	1.7	**1.1**	2.8	7.7	6.3	4.4	5.7	7.9	10.2	11.8	11.7	9.1	10.5	7.8	7.1	5.5	4.8	4.3	5.8	8.0	5.9	4.7	**1.1**	11.8	**6.2**
	SW	S	ESE	W	N	N	NNE	NNE	NNW	NNW	N	N	N	NNE	N	N	N	N	NNE	N	NNW	NNW	N	N			360(N)
Oct 29	3.4	4.7	6.5	5.6	5.7	5.4	7.1	8.9	13.4	13.2	17.6	16.4	14.2	13.5	13.6	12.3	7.1	7.7	9.1	9.7	8.7	10.6	7.3	7.9	3.4	17.6	9.6
	NNW	NW	W	W	SSW	S	S	S	S	S	S	S	S	SSW	SW	SSW	SSW	S	SSE	SSE	SSE	SSE	S	S			191(S)
Oct 30	7.3	8.5	9.4	6.1	7.2	3.6	5.6	5.9	6.8	7.0	9.6	10.6	9.4	8.7	10.2	9.2	10.6	12.4	16.3	17.8	16.9	14.6	15.5	11.9	3.6	17.8	10.0
	S	S	SSE	S	SSE	ESE	ENE	ENE	ENE	ENE	E	ENE	NE	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE			69(ENE)
Oct 31	9.4	10.2	13.2	12.9	13.0	9.2	11.0	14.3	18.2	22.1	17.8	15.5	15.3	13.9	4.1	6.7	7.9	9.2	8.5	7.6	8.0	5.4	4.7	3.7	3.7	22.1	10.9
	ENE	ENE	ENE	E	ENE	ENE	E	E	E	ESE	ESE	E	ESE	ESE	SE	SE	SE	SE	ESE	ESE	ESE	SE	SSE	S			103(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.

PRC STATION

Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

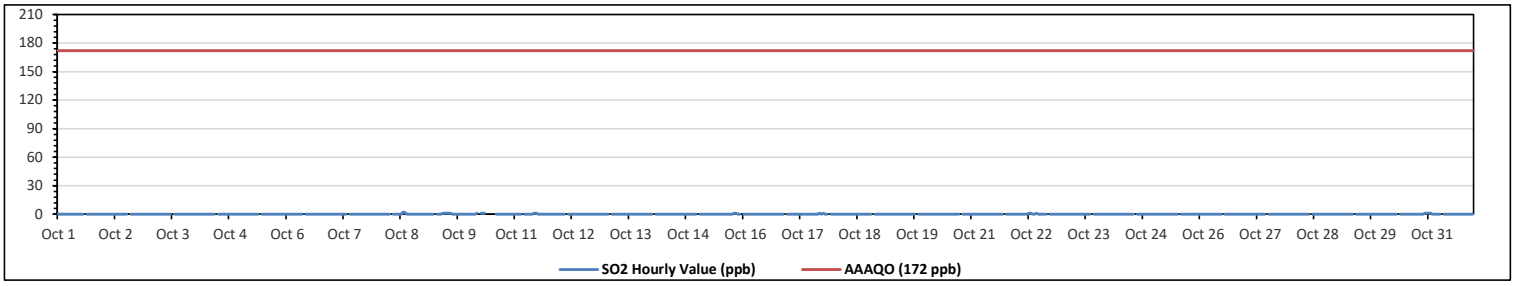
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

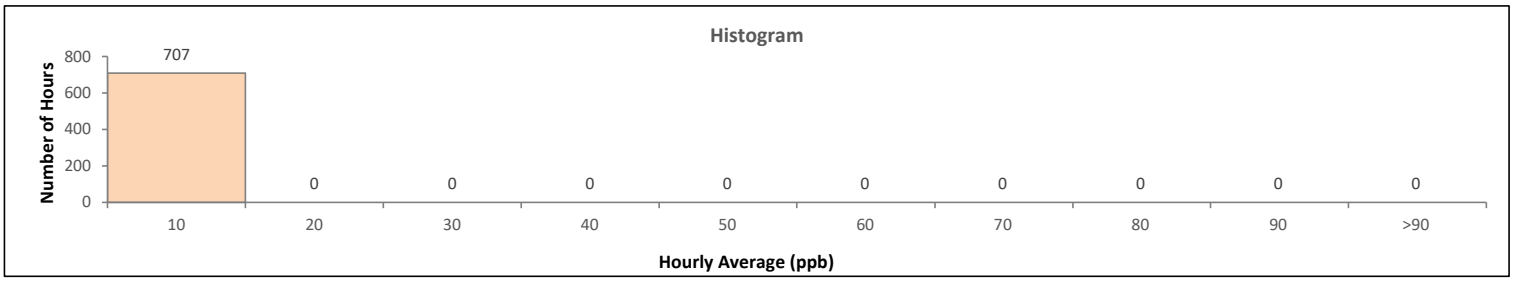
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	2	ppb	on Oct 8 at hr 13	Hours in Service:	744		
Maximum Daily Value:	0.2	ppb	on Oct 10	Hours of Data:	707		
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0		
Minimum Daily Value:	0.0	ppb	on Oct 1	Hours of Calibration:	37		
Monthly Average:	0.0	ppb		Operational Uptime:	100.0		

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

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.



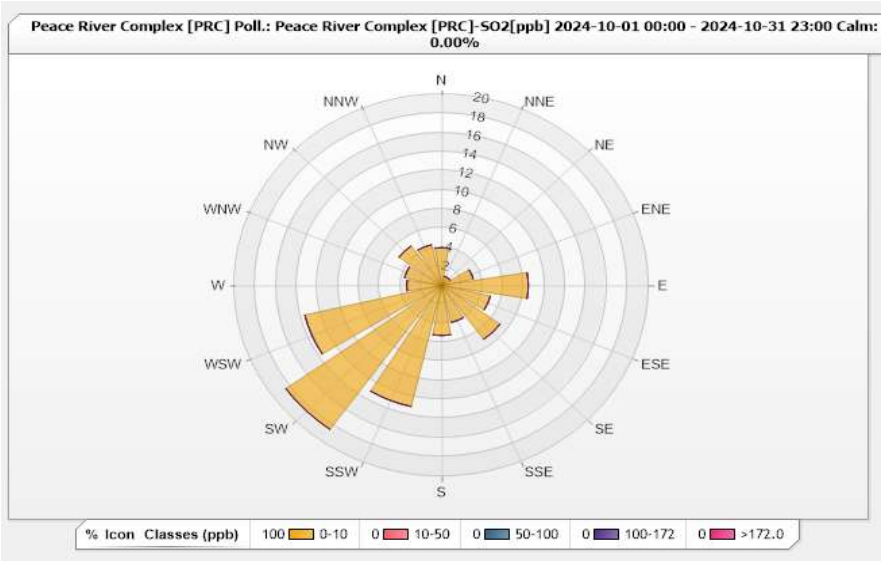


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 10-2024

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

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

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	3.96	0	0	0	0	3.96
NNE	0.99	0	0	0	0	0.99
NE	0.99	0	0	0	0	0.99
ENE	3.11	0	0	0	0	3.11
E	8.35	0	0	0	0	8.35
ESE	4.81	0	0	0	0	4.81
SE	6.93	0	0	0	0	6.93
SSE	3.96	0	0	0	0	3.96
S	5.23	0	0	0	0	5.23
SSW	13.01	0	0	0	0	13.01
SW	18.53	0	0	0	0	18.53
WSW	13.58	0	0	0	0	13.58
W	3.39	0	0	0	0	3.39
WNW	3.68	0	0	0	0	3.68
NW	5.09	0	0	0	0	5.09
NNW	4.38	0	0	0	0	4.38
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

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

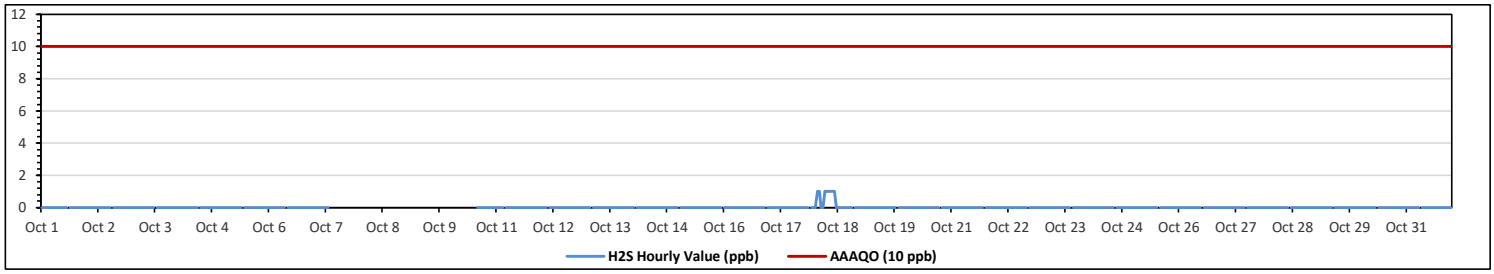
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0		
Maximum Hourly Value:	1	ppb	on Oct 18 at hr 1	Hours in Service:	744	
Maximum Daily Value:	0.0	ppb	on Oct 1	Hours of Data:	638	
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	72	
Minimum Daily Value:	0.0	ppb	on Oct 1	Hours of Calibration:	34	
Monthly Average:	0.0	ppb		Operational Uptime:	90.3	

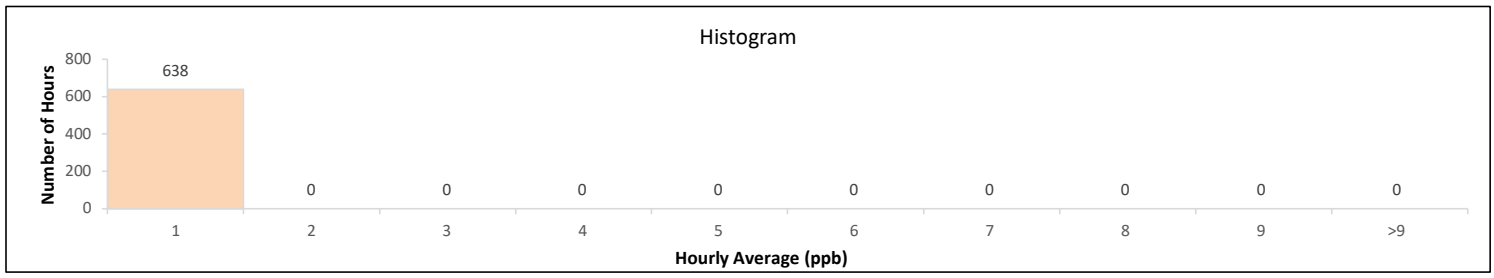
Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Oct 2	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oct 3	0	0	0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



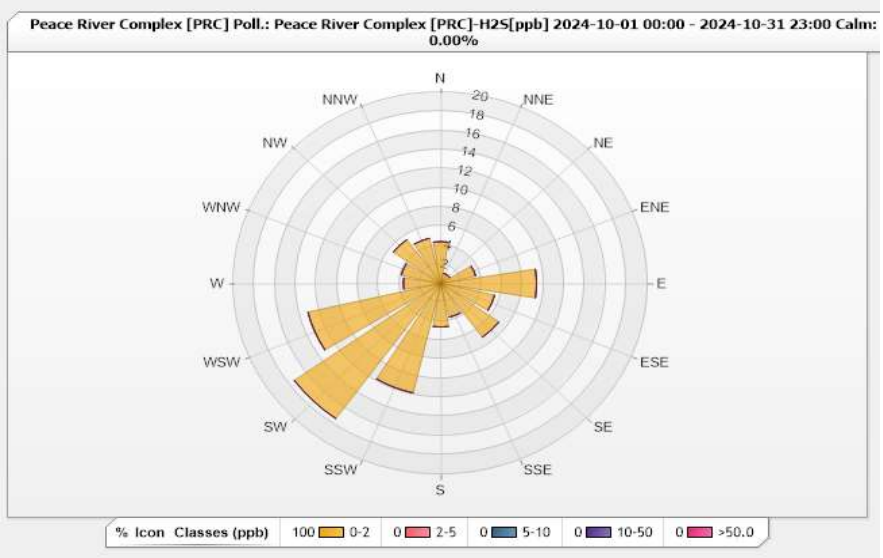


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 85.75% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	4.39	0	0	0	0	4.39
NNE	1.1	0	0	0	0	1.1
NE	1.1	0	0	0	0	1.1
ENE	3.45	0	0	0	0	3.45
E	9.25	0	0	0	0	9.25
ESE	5.33	0	0	0	0	5.33
SE	6.9	0	0	0	0	6.9
SSE	3.61	0	0	0	0	3.61
S	4.55	0	0	0	0	4.55
SSW	11.76	0	0	0	0	11.76
SW	17.4	0	0	0	0	17.4
WSW	13.17	0	0	0	0	13.17
W	3.61	0	0	0	0	3.61
WNW	3.92	0	0	0	0	3.92
NW	5.64	0	0	0	0	5.64
NNW	4.86	0	0	0	0	4.86
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

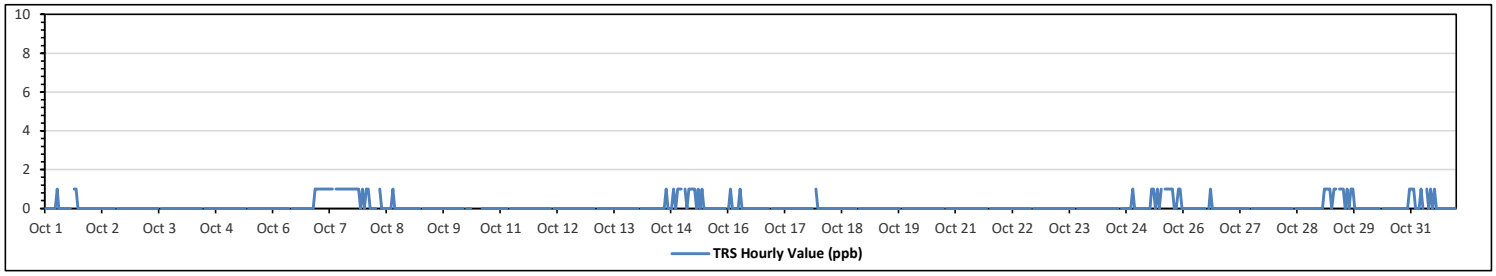
TOTAL REDUCED SULPHUR (TRS) in ppb

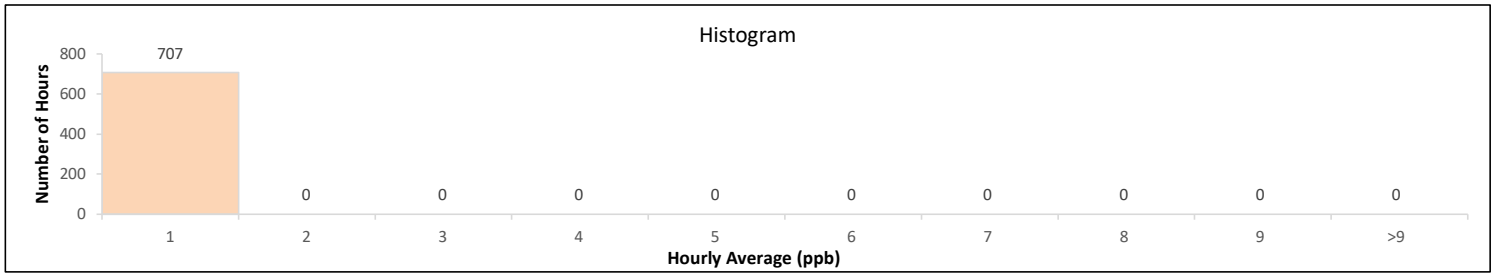
Maximum Hourly Value:	1	ppb	on Oct 1 at hr 6	Hours in Service:	744	
Maximum Daily Value:	1.0	ppb	on Oct 7	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Oct 2	Hours of Calibration:	37	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

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

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

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





Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

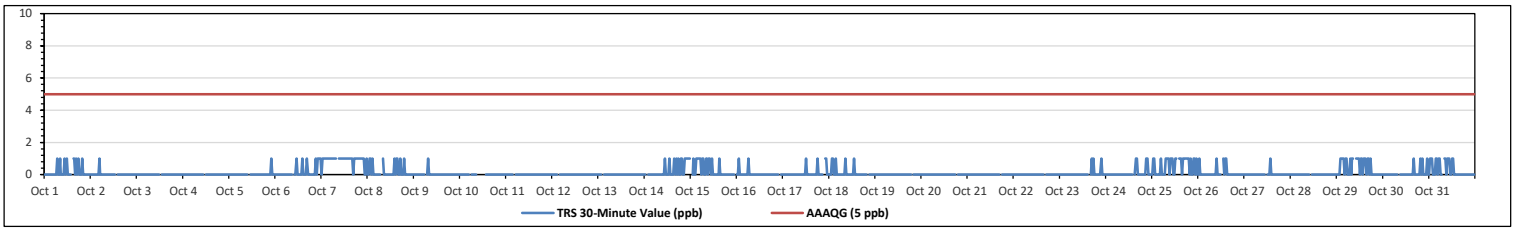
Maximum 30-Minute Value:	1	ppb	on Oct 1 at 06:30	# of Instrument in Service	1488	
Maximum Daily Value:	1.0	ppb	on Oct 7	# of Valid Measurements	1416	
Minimum 30-Minute Value:	0	ppb	Oct 1 at 00:00	# of Missing Measurements:	0	
Minimum Daily Value:	0.0	ppb	on Oct 1	# of Calibration:	72	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

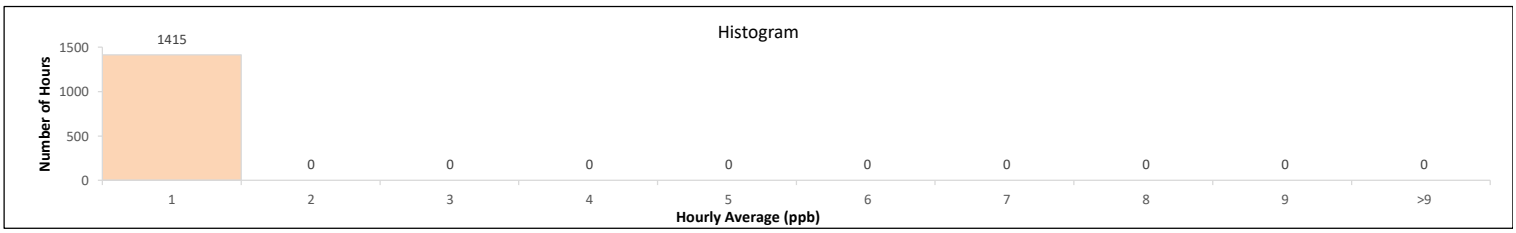
30-Minute Period Starting at (MST)	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Diurnal Maximum	Diurnal Average
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
00:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0.1
01:00	0	0	0	0	0	0	1	1	0	0	0	0	0	S	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0.2
01:30	0	0	0	0	0	0	1	1	0	0	0	0	0	S	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.2
02:00	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.1
02:30	0	0	0	0	0	0	1	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.1
03:00	0	0	0	0	0	0	1	0	0	0	0	S	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.1
03:30	0	0	0	0	0	0	1	0	0	0	0	S	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0.2
04:00	0	0	0	0	0	0	1	0	0	0	S	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1
04:30	0	1	0	0	0	0	1	0	0	0	S	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0.2
05:00	0	0	0	0	0	0	1	0	0	S	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0.1
05:30	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1
06:00	0	0	0	0	0	0	1	0	S	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
06:30	1	0	0	0	0	0	1	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	0.1
07:00	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	S	1	0.1
07:30	0	0	0	0	0	0	1	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	S	1	0.1
08:00	1	0	0	0	0	0	S	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	S	1	1	0.2
08:30	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	S	1	1	0.2
09:00	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	0.0
09:30	0	0	0	0	0	S	1	0	0	C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	S	0	1	1	0.2
10:00	0	0	0	0	S	0	1	0	0	C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	S	1	0	1	1	0.2
10:30	1	0	0	0	S	0	1	0	0	C	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	S	1	0	1	1	0.2
11:00	0	0	0	S	0	1	1	0	0	C	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	1	0.1
11:30	1	0	0	S	0	0	1	0	0	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	1	0.1
12:00	0	0	S	0	0	0	1	0	0	C	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	S	0	0	0	0	1	1	0.1
12:30	0	0	S	0	0	0	1	0	0	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	1	0	1	1	0.1
13:00	0	S	0	0	0	0	1	0	0	C	0	0	0	1	0	0	0	1	0	0	0	0	0	0	S	1	0	0	1	0	0	1	0.2
13:30	0	S	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	0	1	0.1
14:00	S	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	0	1	0	0	1	0.2
14:30	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	1	0	0	1	0	0	1	0.1
15:00	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	S	0	1	0	0	0	1	0	0	1	0.2
15:30	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	1	0.2
16:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	1	1	0	0	0	1	1	0	1	0.2
16:30	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	S	1	0	1	0	0	0	1	0	0	1	0.2
17:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0	0	0	0	0	0	1	0.1
17:30	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	S	0	1	0	1	0	0	0	1	0	0	1	0.2
18:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	1	0	0	0	0	0	0	1	0.1
18:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0	0	0	0	0	0	1	0.1
19:00	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	1	0.1
19:30	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
20:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.1
20:30	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
21:00	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0.1
21:30	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0.2
22:00	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	S	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.2
22:30	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
23:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0.1
23:30	0	0	0	0	0	1	1	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Maximum	1	1	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	1	1	1		
Average	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0		

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



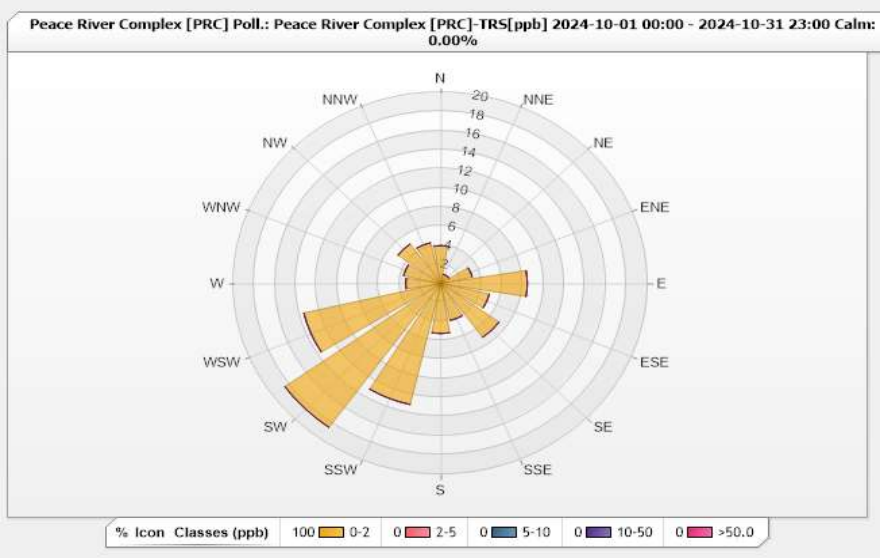


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 10-2024

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

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

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	3.96	0	0	0	0	3.96
NNE	0.99	0	0	0	0	0.99
NE	0.99	0	0	0	0	0.99
ENE	3.11	0	0	0	0	3.11
E	8.35	0	0	0	0	8.35
ESE	4.81	0	0	0	0	4.81
SE	6.93	0	0	0	0	6.93
SSE	3.96	0	0	0	0	3.96
S	5.23	0	0	0	0	5.23
SSW	13.01	0	0	0	0	13.01
SW	18.53	0	0	0	0	18.53
WSW	13.58	0	0	0	0	13.58
W	3.39	0	0	0	0	3.39
WNW	3.68	0	0	0	0	3.68
NW	5.09	0	0	0	0	5.09
NNW	4.38	0	0	0	0	4.38
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

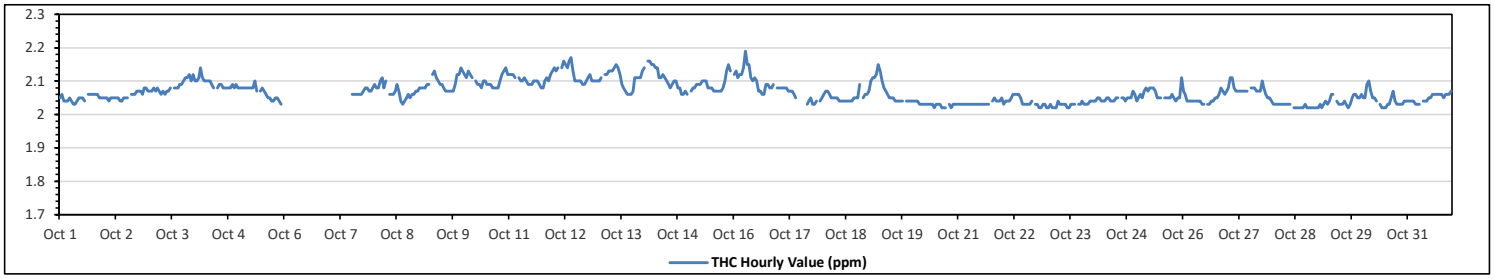
TOTAL HYDROCARBONS (THC) in ppm

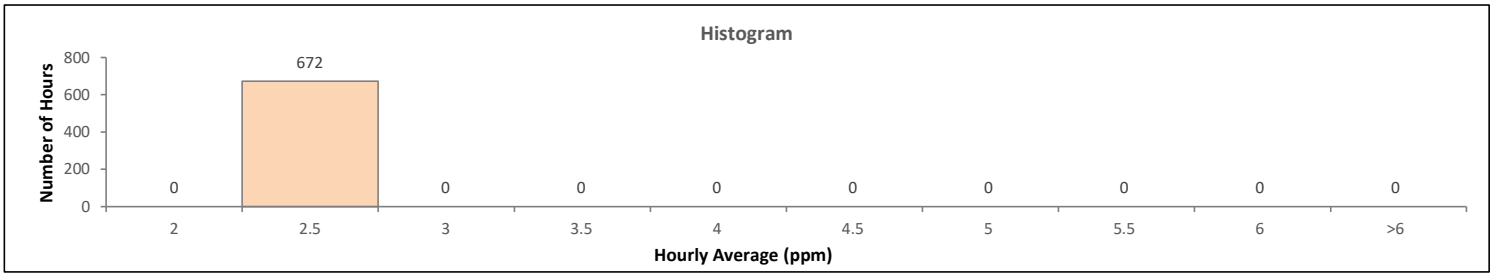
Maximum Hourly Value:	2.19	ppm	on Oct 16 at hr 6	Hours in Service:	744
Maximum Daily Value:	2.12	ppm	on Oct 12	Hours of Data:	672
Minimum Hourly Value:	2.02	ppm	on Oct 20 at hr 11	Hours of Missing Data:	36
Minimum Daily Value:	2.02	ppm	on Oct 28	Hours of Calibration:	36
Monthly Average:	2.07	ppm		Operational Uptime:	95.2

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			
Oct 1	2.05	2.06	2.04	2.04	2.04	2.05	2.04	2.03	2.03	2.04	2.05	2.05	2.05	2.04	S	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.03	2.06	2.05
Oct 2	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.05	2.05	S	2.06	2.06	2.06	2.07	2.07	2.07	2.06	2.08	2.08	2.07	2.04	2.08	2.06
Oct 3	2.07	2.07	2.08	2.07	2.08	2.07	2.06	2.07	2.06	2.07	2.07	2.08	S	2.08	2.08	2.08	2.09	2.09	2.10	2.11	2.11	2.12	2.10	2.12	2.06	2.12	2.08
Oct 4	2.10	2.10	2.11	2.14	2.11	2.10	2.10	2.10	2.10	2.09	2.08	S	2.08	2.09	2.09	2.08	2.08	2.08	2.08	2.08	2.09	2.08	2.09	2.08	2.08	2.14	2.09
Oct 5	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.07	S	2.07	2.08	2.07	2.06	2.05	2.05	2.04	2.04	2.05	2.05	2.04	2.03	X	2.03	2.10	2.07
Oct 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	-	-	-
Oct 7	X	X	X	X	X	X	X	X	X	X	X	S	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.08	2.08	2.07	2.07	2.08	2.06	2.08	NA
Oct 8	2.09	2.08	2.08	2.10	2.11	2.08	2.10	S	2.06	2.06	2.06	2.07	2.09	2.07	2.04	2.03	2.04	2.05	2.06	2.05	2.06	2.06	2.07	2.07	2.03	2.11	2.07
Oct 9	2.08	2.08	2.08	2.08	2.09	2.09	S	2.12	2.13	2.11	2.10	2.09	2.09	2.08	2.07	2.07	2.07	2.07	2.07	2.09	2.12	2.12	2.14	2.13	2.07	2.14	2.09
Oct 10	2.12	2.11	2.13	2.12	2.11	S	2.10	2.09	2.09	2.08	2.10	2.10	2.09	2.09	2.09	2.08	2.08	2.08	2.08	2.10	2.12	2.13	2.14	2.12	2.08	2.14	2.10
Oct 11	2.12	2.12	2.12	2.11	S	2.11	2.10	2.10	2.11	2.10	2.09	2.09	2.09	2.10	2.10	2.10	2.09	2.08	2.08	2.10	2.11	2.10	2.12	2.13	2.08	2.13	2.10
Oct 12	2.14	2.13	2.14	S	2.14	2.16	2.15	2.14	2.16	2.17	2.13	2.10	2.10	2.10	2.10	2.09	2.09	2.10	2.11	2.12	2.10	2.10	2.10	2.10	2.09	2.17	**2.12**
Oct 13	2.10	2.11	S	2.12	2.12	2.13	2.13	2.13	2.14	2.15	2.14	2.12	2.09	2.08	2.07	2.06	2.06	2.06	2.07	2.11	2.11	2.11	2.11	2.13	2.06	2.15	2.11
Oct 14	2.14	S	2.16	2.16	2.15	2.15	2.14	2.14	2.11	2.11	2.12	2.11	2.10	2.09	2.08	2.09	2.10	2.10	2.08	2.08	2.06	2.06	2.07	2.06	2.06	2.16	2.11
Oct 15	S	2.07	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.08	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.08	2.10	2.13	2.15	2.13	S	2.07	2.15	2.09
Oct 16	2.12	2.13	2.11	2.12	2.12	2.14	**2.19**	2.15	2.15	2.11	2.10	2.11	2.10	2.07	2.07	2.06	2.06	2.09	2.09	2.08	2.08	2.09	S	2.08	2.06	**2.19**	2.11
Oct 17	2.08	2.08	2.08	2.08	2.08	2.07	2.07	2.07	2.06	2.05	C	C	C	C	C	2.03	2.04	2.05	2.03	2.03	2.04	S	2.04	2.05	2.03	2.08	2.06
Oct 18	2.06	2.07	2.07	2.06	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.09	S	2.05	2.06	2.06	2.04	2.09	2.05
Oct 19	2.07	2.10	2.11	2.11	2.12	2.15	2.13	2.10	2.08	2.07	2.06	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	S	2.04	2.04	2.04	2.04	2.04	2.15	2.07
Oct 20	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.02	S	2.03	2.02	2.03	2.03	2.03	2.02	2.04	2.03
Oct 21	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.04	2.05	2.04	2.04	2.04	2.05	2.03	2.05	2.03
Oct 22	2.03	2.04	2.04	2.04	2.05	2.06	2.06	2.06	2.06	2.05	2.03	2.03	2.03	2.03	2.03	2.04	S	2.03	2.03	2.02	2.02	2.03	2.03	2.02	2.02	2.06	2.04
Oct 23	2.02	2.03	2.02	2.02	2.02	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	S	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.04	2.02	2.04	2.03
Oct 24	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05	2.05	S	2.05	2.05	2.04	2.05	2.05	2.05	2.07	2.06	2.04	2.04	2.07	2.05
Oct 25	2.05	2.06	2.05	2.07	2.08	2.07	2.08	2.08	2.08	2.07	2.05	2.05	2.05	S	2.05	2.05	2.05	2.05	2.06	2.05	2.04	2.05	2.05	2.11	2.04	2.11	2.06
Oct 26	2.07	2.06	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	S	2.03	2.03	2.04	2.04	2.05	2.05	2.06	2.08	2.07	2.06	2.07	2.03	2.08	2.05
Oct 27	2.08	2.11	2.11	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	S	2.08	2.08	2.08	2.07	2.07	2.07	2.10	2.08	2.06	2.05	2.05	2.04	2.04	2.11	2.07
Oct 28	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02
Oct 29	2.02	2.03	2.02	2.03	2.04	2.03	2.04	2.06	2.06	S	2.04	2.03	2.03	2.03	2.04	2.03	2.02	2.03	2.05	2.06	2.06	2.05	2.05	2.06	2.02	2.06	2.04
Oct 30	2.05	2.05	2.09	2.10	2.07	2.05	2.05	2.04	S	2.03	2.02	2.02	2.02	2.03	2.03	2.05	2.07	2.04	2.03	2.03	2.03	2.03	2.04	2.04	2.02	2.10	2.04
Oct 31	2.04	2.04	2.04	2.04	2.03	2.03	2.03	S	2.04	2.04	2.04	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.06	2.06	2.06	2.07	2.03	2.07	2.05
Diurnal Maximum	2.14	2.13	2.16	2.16	2.15	2.16	2.19	2.15	2.16	2.17	2.14	2.12	2.10	2.10	2.10	2.10	2.10	2.10	2.11	2.12	2.13	2.15	2.14	2.13			
Diurnal Average	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	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.



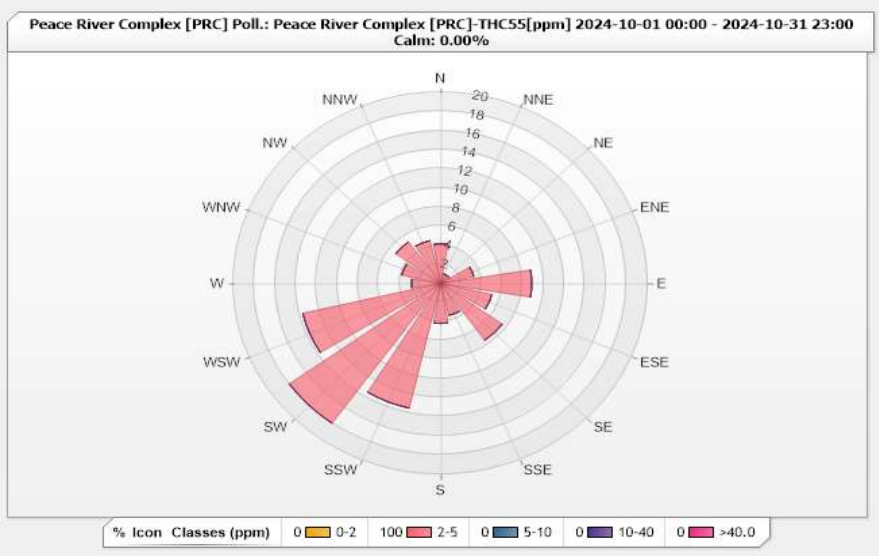


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 90.32% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	4.17	0	0	0	4.17
NNE	0	1.04	0	0	0	1.04
NE	0	1.04	0	0	0	1.04
ENE	0	3.27	0	0	0	3.27
E	0	8.78	0	0	0	8.78
ESE	0	5.06	0	0	0	5.06
SE	0	7.29	0	0	0	7.29
SSE	0	3.42	0	0	0	3.42
S	0	4.17	0	0	0	4.17
SSW	0	13.39	0	0	0	13.39
SW	0	18.01	0	0	0	18.01
WSW	0	13.69	0	0	0	13.69
W	0	2.83	0	0	0	2.83
WNW	0	3.87	0	0	0	3.87
NW	0	5.36	0	0	0	5.36
NNW	0	4.61	0	0	0	4.61
Summary	0	100	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

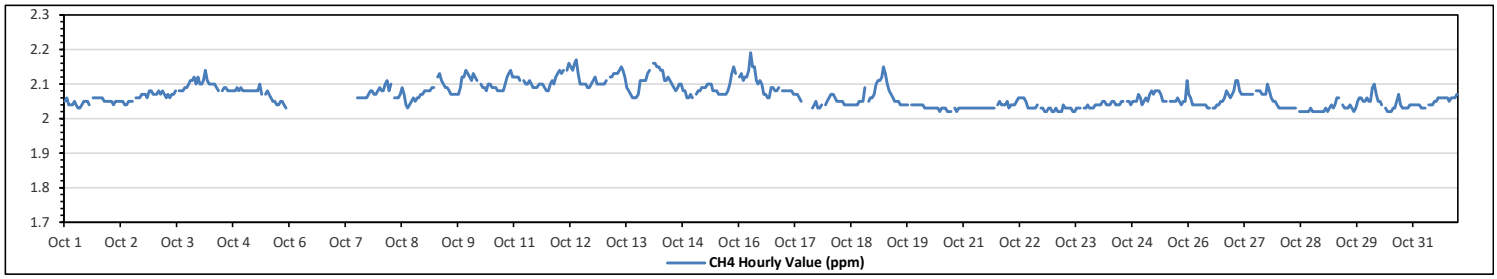
METHANE (CH4) in ppm

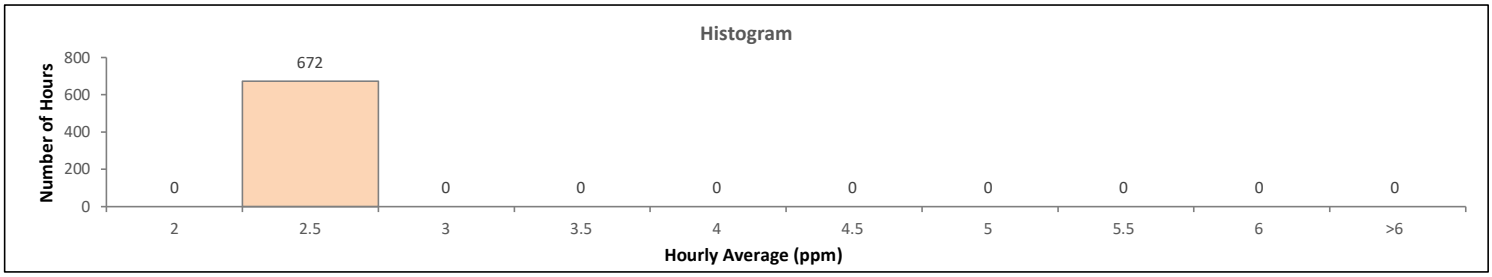
Maximum Hourly Value:	2.19	ppm	on Oct 16 at hr 6	Hours in Service:	744	
Maximum Daily Value:	2.12	ppm	on Oct 12	Hours of Data:	672	
Minimum Hourly Value:	2.02	ppm	on Oct 20 at hr 11	Hours of Missing Data:	36	
Minimum Daily Value:	2.02	ppm	on Oct 28	Hours of Calibration:	36	
Monthly Average:	2.07	ppm		Operational Uptime:	95.2	

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			
Oct 1	2.05	2.06	2.04	2.04	2.04	2.05	2.04	2.03	2.03	2.04	2.05	2.05	2.05	2.04	S	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.03	2.06	2.05
Oct 2	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.05	2.05	2.05	S	2.06	2.06	2.06	2.07	2.07	2.07	2.06	2.08	2.08	2.07	2.04	2.08	2.06
Oct 3	2.07	2.07	2.08	2.07	2.08	2.07	2.06	2.07	2.06	2.07	2.07	2.08	S	2.08	2.08	2.08	2.09	2.09	2.10	2.11	2.11	2.12	2.10	2.12	2.06	2.12	2.08
Oct 4	2.10	2.10	2.11	2.14	2.11	2.10	2.10	2.10	2.10	2.09	2.08	S	2.08	2.09	2.09	2.08	2.08	2.08	2.08	2.08	2.09	2.08	2.09	2.08	2.08	2.14	2.09
Oct 5	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.10	2.07	S	2.07	2.08	2.07	2.06	2.05	2.05	2.04	2.04	2.05	2.05	2.04	2.03	X	2.03	2.10	2.07
Oct 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	-	-	-
Oct 7	X	X	X	X	X	X	X	X	X	X	X	S	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.08	2.08	2.07	2.07	2.08	2.06	2.08	NA
Oct 8	2.09	2.08	2.08	2.10	2.11	2.08	2.10	S	2.06	2.06	2.06	2.07	2.09	2.07	2.04	2.03	2.04	2.05	2.06	2.05	2.06	2.06	2.07	2.07	2.03	2.11	2.07
Oct 9	2.08	2.08	2.08	2.08	2.09	2.09	S	2.12	2.13	2.11	2.10	2.09	2.09	2.08	2.07	2.07	2.07	2.07	2.07	2.09	2.12	2.12	2.14	2.13	2.07	2.14	2.09
Oct 10	2.12	2.11	2.13	2.12	2.11	S	2.10	2.09	2.09	2.08	2.10	2.10	2.09	2.09	2.09	2.08	2.08	2.08	2.08	2.10	2.12	2.13	2.14	2.12	2.08	2.14	2.10
Oct 11	2.12	2.12	2.12	2.11	S	2.11	2.10	2.10	2.11	2.10	2.09	2.09	2.09	2.10	2.10	2.10	2.09	2.08	2.08	2.10	2.11	2.10	2.12	2.13	2.08	2.13	2.10
Oct 12	2.14	2.13	2.14	S	2.14	2.16	2.15	2.14	2.16	2.17	2.13	2.10	2.10	2.10	2.10	2.09	2.09	2.10	2.11	2.12	2.10	2.10	2.10	2.10	2.09	2.17	**2.12**
Oct 13	2.10	2.11	S	2.12	2.12	2.13	2.13	2.13	2.14	2.15	2.14	2.12	2.09	2.08	2.07	2.06	2.06	2.06	2.07	2.11	2.11	2.11	2.11	2.13	2.06	2.15	2.11
Oct 14	2.14	S	2.16	2.16	2.15	2.15	2.14	2.14	2.11	2.11	2.12	2.11	2.10	2.09	2.08	2.09	2.10	2.10	2.08	2.08	2.06	2.06	2.07	2.06	2.06	2.16	2.11
Oct 15	S	2.07	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.08	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.08	2.10	2.13	2.15	2.13	S	2.07	2.15	2.09
Oct 16	2.12	2.13	2.11	2.12	2.12	2.14	**2.19**	2.15	2.15	2.11	2.10	2.11	2.10	2.07	2.07	2.06	2.06	2.09	2.09	2.08	2.08	2.09	S	2.08	2.06	**2.19**	2.11
Oct 17	2.08	2.08	2.08	2.08	2.08	2.07	2.07	2.07	2.06	2.05	C	C	C	C	C	2.03	2.04	2.05	2.03	2.03	2.04	S	2.04	2.05	2.03	2.08	2.06
Oct 18	2.06	2.07	2.07	2.06	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.05	2.09	S	2.05	2.06	2.06	2.04	2.09	2.05
Oct 19	2.07	2.10	2.11	2.11	2.12	2.15	2.13	2.10	2.08	2.07	2.06	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	S	2.04	2.04	2.04	2.04	2.04	2.15	2.07
Oct 20	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.03	2.02	2.02	2.02	S	2.03	2.02	2.03	2.03	2.03	2.02	2.04	2.03
Oct 21	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.04	2.05	2.04	2.04	2.04	2.05	2.03	2.05	2.03
Oct 22	2.03	2.04	2.04	2.04	2.05	2.06	2.06	2.06	2.06	2.05	2.03	2.03	2.03	2.03	2.03	2.04	S	2.03	2.03	2.02	2.02	2.03	2.03	2.02	2.02	2.06	2.04
Oct 23	2.02	2.03	2.02	2.02	2.02	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	S	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.04	2.02	2.04	2.03
Oct 24	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05	2.05	S	2.05	2.05	2.04	2.05	2.05	2.05	2.07	2.06	2.04	2.04	2.07	2.05
Oct 25	2.05	2.06	2.05	2.07	2.08	2.07	2.08	2.08	2.08	2.07	2.05	2.05	2.05	S	2.05	2.05	2.05	2.05	2.06	2.05	2.04	2.05	2.05	2.11	2.04	2.11	2.06
Oct 26	2.07	2.06	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	S	2.03	2.03	2.04	2.04	2.05	2.05	2.06	2.08	2.07	2.06	2.07	2.03	2.08	2.05
Oct 27	2.08	2.11	2.11	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	S	2.08	2.08	2.08	2.07	2.07	2.07	2.10	2.08	2.06	2.05	2.05	2.04	2.04	2.11	2.07
Oct 28	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.02
Oct 29	2.02	2.03	2.02	2.03	2.04	2.03	2.04	2.06	2.06	S	2.04	2.03	2.03	2.03	2.04	2.03	2.02	2.03	2.05	2.06	2.06	2.05	2.05	2.06	2.02	2.06	2.04
Oct 30	2.05	2.05	2.09	2.10	2.07	2.05	2.05	2.04	S	2.03	2.02	2.02	2.02	2.03	2.03	2.05	2.07	2.04	2.03	2.03	2.03	2.04	2.04	2.02	2.02	2.10	2.04
Oct 31	2.04	2.04	2.04	2.04	2.03	2.03	2.03	S	2.04	2.04	2.04	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.06	2.06	2.06	2.07	2.03	2.07	2.05
Diurnal Maximum	2.14	2.13	2.16	2.16	2.15	2.16	2.19	2.15	2.16	2.17	2.14	2.12	2.10	2.10	2.10	2.10	2.10	2.10	2.11	2.12	2.13	2.15	2.14	2.13			
Diurnal Average	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	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.



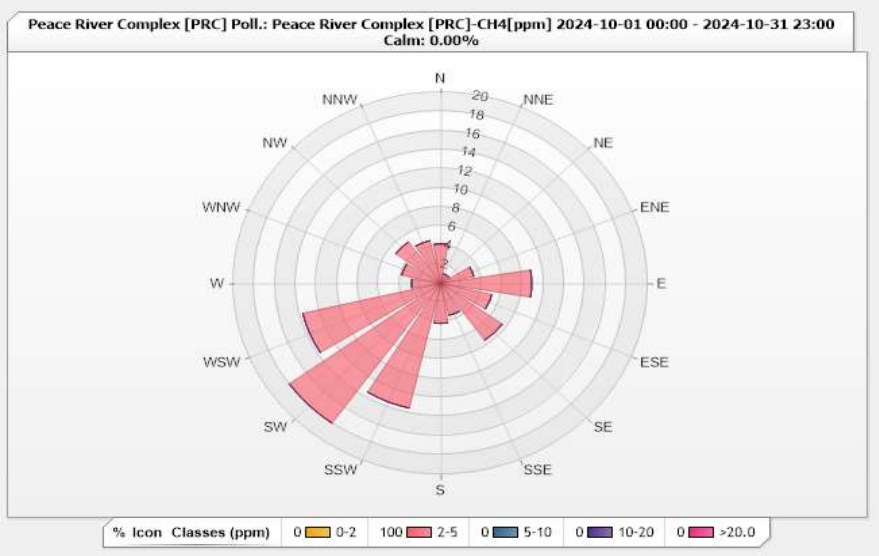


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 90.32% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	4.17	0	0	0	4.17
NNE	0	1.04	0	0	0	1.04
NE	0	1.04	0	0	0	1.04
ENE	0	3.27	0	0	0	3.27
E	0	8.78	0	0	0	8.78
ESE	0	5.06	0	0	0	5.06
SE	0	7.29	0	0	0	7.29
SSE	0	3.42	0	0	0	3.42
S	0	4.17	0	0	0	4.17
SSW	0	13.39	0	0	0	13.39
SW	0	18.01	0	0	0	18.01
WSW	0	13.69	0	0	0	13.69
W	0	2.83	0	0	0	2.83
WNW	0	3.87	0	0	0	3.87
NW	0	5.36	0	0	0	5.36
NNW	0	4.61	0	0	0	4.61
Summary	0	100	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

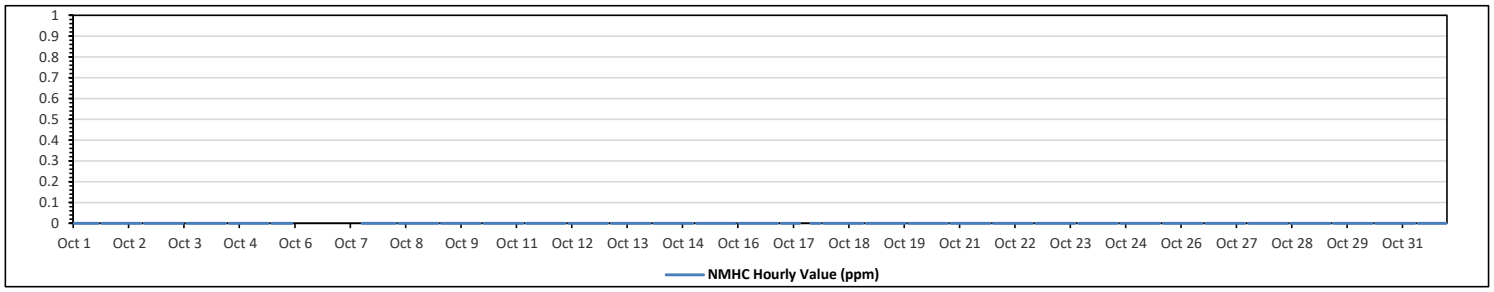
NON-METHANE HYDROCARBONS (NMHC) in ppm

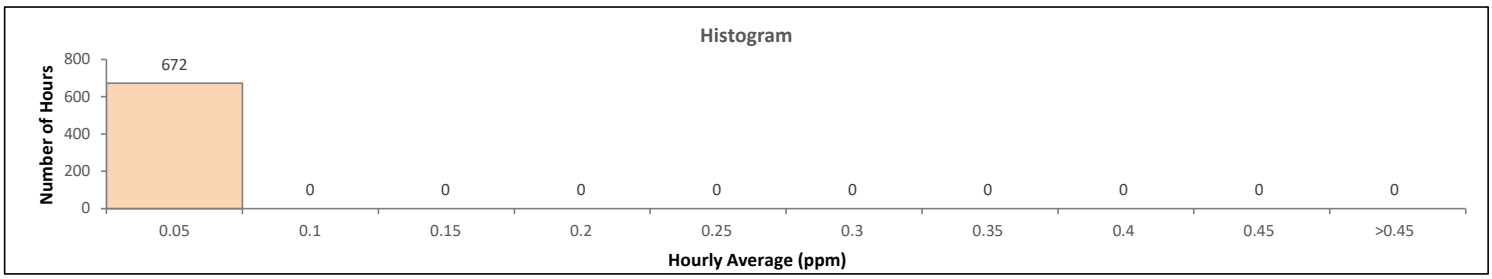
Maximum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Oct 1	Hours of Data:	672
Minimum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours of Missing Data:	36
Minimum Daily Value:	0.00	ppm	on Oct 1	Hours of Calibration:	36
Monthly Average:	0.00	ppm		Operational Uptime:	95.2

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			
Oct 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	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
Oct 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	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
Oct 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	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
Oct 4	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
Oct 5	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	X	0.00	0.00	0.00
Oct 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	-	-	-
Oct 7	X	X	X	X	X	X	X	X	X	X	X	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	NA
Oct 8	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
Oct 9	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
Oct 10	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
Oct 11	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
Oct 12	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
Oct 13	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
Oct 14	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
Oct 15	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
Oct 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Oct 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 20	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 21	0.00	0.00	0.00	0.00	0.00	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
Oct 22	0.00	0.00	0.00	0.00	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
Oct 23	0.00	0.00	0.00	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
Oct 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	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
Oct 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	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
Oct 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	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
Oct 27	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
Oct 28	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
Oct 29	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
Oct 30	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
Oct 31	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
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.



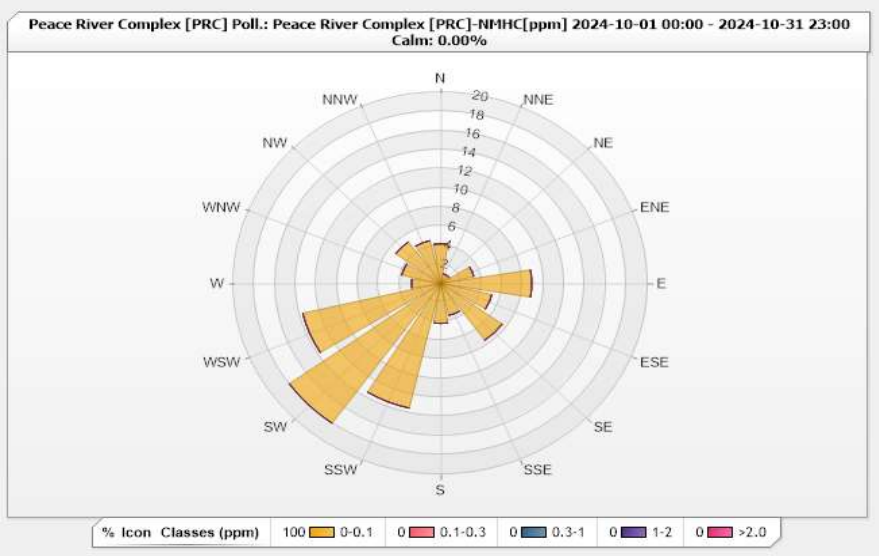


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 90.32% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	4.17	0	0	0	0	4.17
NNE	1.04	0	0	0	0	1.04
NE	1.04	0	0	0	0	1.04
ENE	3.27	0	0	0	0	3.27
E	8.78	0	0	0	0	8.78
ESE	5.06	0	0	0	0	5.06
SE	7.29	0	0	0	0	7.29
SSE	3.42	0	0	0	0	3.42
S	4.17	0	0	0	0	4.17
SSW	13.39	0	0	0	0	13.39
SW	18.01	0	0	0	0	18.01
WSW	13.69	0	0	0	0	13.69
W	2.83	0	0	0	0	2.83
WNW	3.87	0	0	0	0	3.87
NW	5.36	0	0	0	0	5.36
NNW	4.61	0	0	0	0	4.61
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

RELATIVE HUMIDITY (RH) in %

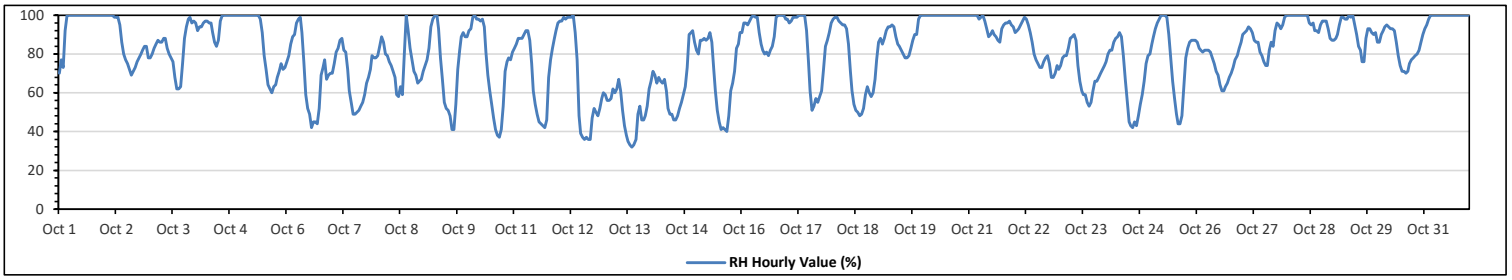
Maximum Hourly Value:	100	%	on Oct 1 at hr 4	Hours in Service:	744	
Maximum Daily Value:	100.0	%	on Oct 20	Hours of Data:	744	
Minimum Hourly Value:	32	%	on Oct 13 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	49.9	%	on Oct 13	Hours of Calibration:	0	
Monthly Average:	80.5	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Oct 1	70	77	73	92	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	70	**100**	96.3
Oct 2	**100**	**100**	**100**	**100**	**100**	99	99	99	95	86	80	77	75	72	69	71	73	76	78	80	82	84	84	78	69	**100**	85.7
Oct 3	78	80	83	85	87	86	86	88	88	83	80	78	76	68	62	62	63	75	88	94	98	99	96	97	62	99	82.5
Oct 4	96	92	94	94	96	97	97	96	96	91	86	84	87	97	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	84	**100**	96.0
Oct 5	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	91	79	72	64	62	60	63	64	68	71	75	72	73	60	**100**	83.8
Oct 6	76	79	85	89	90	96	98	99	91	76	59	52	49	42	45	45	44	52	69	73	77	67	69	70	42	99	70.5
Oct 7	70	75	81	83	87	88	82	81	72	61	55	49	49	50	51	53	55	59	65	68	72	79	78	78	49	88	68.4
Oct 8	79	84	89	86	80	79	76	74	71	68	59	58	63	59	80	**100**	92	83	77	71	69	65	66	67	58	**100**	74.8
Oct 9	71	74	77	83	94	98	**100**	**100**	93	78	67	55	52	51	48	41	41	54	72	82	89	91	89	89	41	**100**	74.5
Oct 10	92	93	99	**100**	98	98	97	98	94	81	69	61	54	47	41	38	37	41	53	71	76	78	77	81	37	**100**	73.9
Oct 11	83	85	88	88	88	90	92	92	87	75	61	54	49	45	44	43	42	46	68	77	83	88	92	96	42	96	73.2
Oct 12	97	97	99	98	99	99	99	**100**	91	77	48	39	37	36	37	36	36	47	52	50	48	52	57	60	36	**100**	66.3
Oct 13	59	56	56	57	62	60	62	67	61	51	43	38	35	33	**32**	33	36	49	53	46	46	48	53	62	**32**	67	**49.9**
Oct 14	66	71	69	65	68	66	65	67	61	52	49	49	46	46	48	52	55	59	63	73	90	91	92	86	46	92	64.5
Oct 15	82	80	87	87	88	87	88	91	86	72	61	51	45	41	42	41	40	48	61	65	71	83	85	91	40	91	69.7
Oct 16	91	96	96	95	97	99	**100**	99	99	91	85	82	80	81	79	82	84	89	99	**100**	**100**	**100**	**100**	98	79	**100**	92.6
Oct 17	98	96	97	99	99	99	**100**	**100**	**100**	**100**	92	76	61	51	53	57	55	58	61	72	84	87	91	96	51	**100**	82.6
Oct 18	98	99	99	97	96	95	95	93	85	71	61	54	51	50	48	49	52	59	63	60	58	60	67	77	48	99	72.4
Oct 19	86	88	85	88	92	94	94	95	94	89	85	84	82	80	78	78	79	83	87	90	90	98	**100**	**100**	78	**100**	88.3
Oct 20	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	100	**100**	**100.0**
Oct 21	**100**	**100**	**100**	**100**	**100**	98	99	**100**	97	93	89	90	92	90	89	87	86	93	95	96	96	97	95	94	86	**100**	94.8
Oct 22	91	92	93	95	97	99	98	95	91	86	80	77	75	73	73	76	78	79	75	68	68	70	74	72	68	99	82.3
Oct 23	74	78	79	79	83	88	89	90	87	74	66	61	59	59	55	53	55	61	66	66	68	70	72	74	53	90	71.1
Oct 24	76	80	82	82	86	88	89	91	89	79	67	56	45	43	42	45	43	48	54	59	66	75	79	80	42	91	68.5
Oct 25	85	89	93	96	98	**100**	**100**	**100**	99	90	78	66	57	49	44	44	48	63	78	83	86	87	87	87	44	**100**	79.5
Oct 26	86	83	82	81	82	82	82	81	78	75	71	69	64	61	61	63	65	68	70	73	77	79	83	86	61	86	75.1
Oct 27	90	91	92	94	93	91	87	86	86	81	79	76	74	74	82	86	84	92	96	95	93	95	99	**100**	74	**100**	88.2
Oct 28	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	96	95	96	92	92	91	95	97	97	97	93	88	87	87	**100**	96.5
Oct 29	87	88	90	95	99	99	98	98	**100**	99	**100**	95	90	84	82	76	76	88	93	93	91	90	91	86	76	**100**	91.2
Oct 30	86	90	92	94	95	94	93	93	92	86	79	74	71	71	70	71	75	77	78	79	80	82	86	90	70	95	83.3
Oct 31	93	95	98	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	93	**100**	99.4
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
Diurnal Average	85.8	87.4	89.0	90.4	92.1	92.5	92.4	92.7	89.8	82.7	75.7	70.7	67.5	65.2	64.9	65.7	66.0	71.1	76.6	79.0	81.5	83.3	84.6	85.6			

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

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

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



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

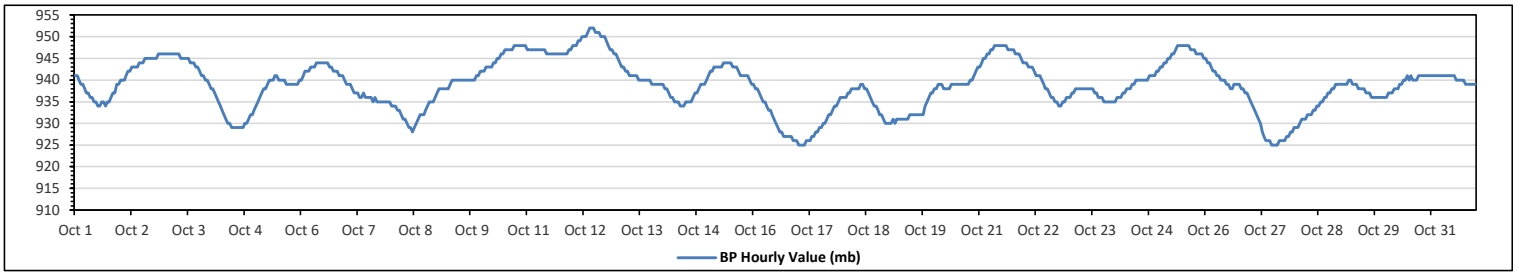
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	952 mb	on Oct 12 at hr 9	Hours in Service:	744	
Maximum Daily Value:	949 mb	on Oct 12	Hours of Data:	744	
Minimum Hourly Value:	925 mb	on Oct 17 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	928 mb	on Oct 27	Hours of Calibration:	0	
Monthly Average:	939 mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Oct 1	941	941	940	939	939	938	937	937	936	936	935	935	934	934	935	935	934	935	935	936	937	937	939	939	934	941	937
Oct 2	940	940	940	941	942	942	943	943	943	943	944	944	944	945	945	945	945	945	945	945	946	946	946	946	940	946	944
Oct 3	946	946	946	946	946	946	946	946	945	945	945	945	945	944	944	944	943	943	942	941	941	940	940	939	939	946	944
Oct 4	938	938	937	936	935	934	933	932	931	930	930	929	929	929	929	929	929	929	930	930	931	932	932	933	929	938	932
Oct 5	934	935	936	937	938	938	939	940	940	940	941	941	940	940	940	940	939	939	939	939	939	939	939	940	934	941	939
Oct 6	940	941	942	942	942	943	943	943	944	944	944	944	944	944	944	943	943	942	942	942	941	941	941	940	940	944	942
Oct 7	939	939	939	938	937	937	937	936	936	937	936	936	936	936	935	936	935	935	935	935	935	935	935	935	935	939	936
Oct 8	934	934	934	933	933	932	931	931	930	929	929	928	929	930	931	932	932	932	933	934	935	935	935	936	928	936	932
Oct 9	937	938	938	938	938	938	938	939	940	940	940	940	940	940	940	940	940	940	940	940	940	941	941	942	937	942	940
Oct 10	942	942	943	943	943	943	944	944	945	945	946	946	947	947	947	947	947	948	948	948	948	948	948	948	942	948	946
Oct 11	947	947	947	947	947	947	947	947	947	947	946	946	946	946	946	946	946	946	946	946	946	946	947	947	946	947	947
Oct 12	948	948	948	949	949	950	950	950	951	**952**	**952**	**952**	951	951	951	950	950	950	949	948	947	947	946	946	946	**952**	**949**
Oct 13	945	944	943	943	942	942	941	941	941	941	941	940	940	940	940	940	940	940	939	939	939	939	939	939	939	945	941
Oct 14	939	938	938	937	936	936	935	935	935	934	934	934	935	935	935	935	936	937	937	938	939	939	939	940	934	940	937
Oct 15	941	942	942	943	943	943	943	943	944	944	944	944	944	943	943	943	942	941	941	941	941	941	940	939	939	944	942
Oct 16	939	938	938	937	936	935	935	934	933	933	932	931	930	929	928	928	927	927	927	927	927	926	926	926	926	939	931
Oct 17	**925**	**925**	**925**	**925**	926	926	926	927	927	928	928	929	929	930	930	931	932	932	933	934	934	935	936	936	**925**	936	930
Oct 18	936	936	937	937	938	938	938	938	938	939	939	938	938	937	936	935	934	934	933	932	932	931	930	930	930	939	936
Oct 19	930	930	931	930	931	931	931	931	931	931	931	932	932	932	932	932	932	932	932	934	935	936	937	937	930	937	932
Oct 20	938	938	939	939	939	938	938	938	938	939	939	939	939	939	939	939	939	939	939	940	940	941	942	943	938	943	939
Oct 21	943	944	945	945	946	946	947	947	948	948	948	948	948	948	948	947	947	947	947	946	946	946	945	944	943	948	946
Oct 22	944	944	943	943	943	942	941	941	941	940	939	938	938	937	936	936	935	935	934	934	935	935	936	936	934	944	939
Oct 23	936	937	937	938	938	938	938	938	938	938	938	938	938	937	937	936	936	936	935	935	935	935	935	935	935	938	937
Oct 24	935	936	936	936	937	937	938	938	938	939	939	940	940	940	940	940	940	940	941	941	941	941	942	942	935	942	939
Oct 25	943	943	944	944	945	945	946	946	947	948	948	948	948	948	948	948	947	947	947	946	946	946	946	945	943	948	946
Oct 26	945	944	944	943	942	942	941	941	940	940	940	939	939	938	938	939	939	939	939	938	938	937	937	936	936	945	940
Oct 27	935	934	933	932	931	930	928	927	926	926	926	**925**	**925**	**925**	**925**	926	926	926	926	927	927	928	928	929	**925**	935	**928**
Oct 28	929	929	930	931	931	931	932	932	932	933	933	934	934	935	935	936	936	937	937	938	938	939	939	939	929	939	934
Oct 29	939	939	939	939	940	940	939	939	939	938	938	938	938	937	937	937	936	936	936	936	936	936	936	936	936	940	938
Oct 30	936	937	937	937	938	938	938	939	939	940	940	941	940	941	940	940	940	941	941	941	941	941	941	941	936	941	940
Oct 31	941	941	941	941	941	941	941	941	941	941	941	941	941	940	940	940	940	940	939	939	939	939	939	939	939	941	940
Diurnal Maximum	948	948	948	949	949	950	950	950	951	952	952	952	951	951	951	950	950	950	949	948	948	948	948	948			
Diurnal Average	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	939	938	938	938	938	939	939	939	939			

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

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



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

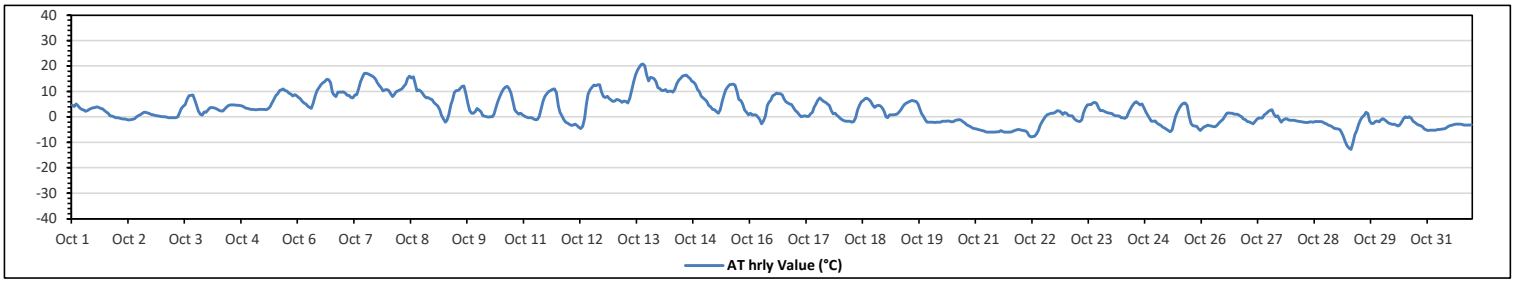
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	20.8	°C	on Oct 13 at hr 15	Hours in Service:	744	
Maximum Daily Value:	12.5	°C	on Oct 13	Hours of Data:	744	
Minimum Hourly Value:	-12.7	°C	on Oct 29 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	-5.6	°C	on Oct 21	Hours of Calibration:	0	
Monthly Average:	2.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	4.6	4.1	5.2	4.4	3.5	3	2.7	2.3	2.5	2.9	3.3	3.6	3.8	3.9	3.8	3.4	3.2	2.6	2	1.4	0.5	0.3	0	-0.2	-0.2	5.2	2.8
Oct 2	-0.2	-0.4	-0.6	-0.8	-0.8	-1	-1.2	-1.1	-0.9	-0.6	0.1	0.5	0.8	1.3	1.8	1.9	1.6	1.3	1	0.8	0.6	0.5	0.3	0.2	-1.2	1.9	0.2
Oct 3	0.1	0	-0.1	-0.2	-0.2	-0.2	-0.3	-0.3	0.1	1.6	3.3	4.2	4.9	7	8.4	8.5	8.7	6.6	4.3	2.4	1.1	0.7	2	1.9	-0.3	8.7	2.7
Oct 4	2.7	3.6	3.8	3.7	3.3	2.9	2.6	2.4	2.4	3.2	4	4.5	4.7	4.7	4.7	4.6	4.6	4.5	4.3	4	3.5	3.3	3.1	3	2.4	4.7	3.7
Oct 5	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.8	3.2	3.9	5.5	6.9	8.4	9.2	10.5	10.6	11	10.4	10.1	9.4	9	8.2	8.8	8.4	2.8	11.0	6.5
Oct 6	7.8	7.3	6.3	5.5	5.2	4.2	3.8	3.4	5.4	8.2	10.4	11.6	12.6	13.4	13.9	14.7	14.6	13.5	9.6	8.7	8	9.8	9.8	9.8	3.4	14.7	9.1
Oct 7	9.9	9.4	8.5	8.5	7.7	7.5	8.7	8.8	11.1	13.9	15.7	17.1	17.2	17	16.6	16.1	15.7	14.8	13.5	12.4	11.5	10.3	10.6	10.7	7.5	17.2	12.2
Oct 8	10.5	9.2	7.9	8.8	9.9	10.3	10.6	11	12	12.9	15.2	16	15.3	15.9	13	10.3	10.6	10.2	9.3	8.2	7.5	7.6	7.1	6.9	6.9	16.0	10.7
Oct 9	5.8	5	4.3	3	0.6	-0.8	-2.1	-1.4	1.1	4.7	7	9.6	10.4	10.4	11.1	12	12.1	9.2	5.5	2.5	1.4	1.5	2.3	3.3	-2.1	12.1	4.9
Oct 10	2.7	2.1	0.5	0.3	0	-0.1	0	0	1.1	3.8	6.1	8	9.7	11	11.7	12	11.2	9.3	6.2	2.7	1.8	1.1	1.4	0.8	-0.1	12.0	4.3
Oct 11	0.3	-0.1	-0.2	-0.2	-0.3	-0.8	-1	-1.1	0.1	3.1	6.2	8.1	9.2	10	10.5	10.9	11	9.5	4.4	1.9	0.4	-1.1	-2	-2.4	-2.4	11.0	3.2
Oct 12	-2.9	-3.3	-3.1	-2.8	-3.3	-4.1	-4.5	-3.7	-0.5	5.3	9	10.6	11.7	12.5	12.3	12.6	12.7	9.7	8	7.6	8.1	7.3	6.6	6.1	-4.5	12.7	4.7
Oct 13	6.3	6.8	6.7	6.4	5.7	6.3	6.2	5.5	7.2	10.4	13.6	16.4	18.4	19.6	20.6	**20.8**	20.1	16.4	14.2	15.6	15.5	15	13.9	11.6	5.5	**20.8**	**12.5**
Oct 14	11.1	10.4	10.5	10.8	9.9	10.1	10.2	9.8	10.9	13.1	14.4	15.2	16	16.3	16.4	15.7	15.1	14.1	13.6	12.6	10.7	9.9	8.3	7.5	7.5	16.4	12.2
Oct 15	6.8	6.1	4.5	4	3	2.8	2.1	1.5	2.8	6.2	8.8	10.6	11.8	12.6	12.8	12.9	12.5	10.1	6.8	6.5	5.2	2.7	1.8	0.9	0.9	12.9	6.5
Oct 16	1.4	0.7	0.8	0.9	0	-0.9	-2.7	-1.5	0.3	4.5	5.8	6.6	8.4	8.8	9.4	9.2	9.2	8.6	7.1	6	5.5	5.1	4.9	3.6	-2.7	9.4	4.2
Oct 17	2.5	1.8	0.8	0	0.3	0.4	0.2	0.2	1.2	1.9	3.8	5.1	6.6	7.5	6.7	6.1	5.8	5.2	4.5	2.5	1.2	1.5	0.7	0	0.0	7.5	2.8
Oct 18	-0.7	-1.2	-1.5	-1.6	-1.6	-1.7	-2	-1.8	-0.2	2.7	4.6	6	6.5	7.3	7.4	6.8	6.1	4.8	3.8	4.3	4.6	4.4	3.6	2.2	-2.0	7.4	2.6
Oct 19	0	-0.2	0.8	0.9	0.8	1	1.1	1.8	2.7	3.9	5	5.4	5.9	6.3	6.5	6.3	6.1	5.2	3.4	1.3	0.2	-1.2	-2	-2.1	-2.1	6.5	2.5
Oct 20	-2	-2	-2.2	-2.1	-2.1	-2	-1.7	-1.6	-1.7	-1.5	-1.6	-1.9	-1.8	-1.3	-1.2	-1.1	-1.4	-1.9	-2.5	-3	-3.4	-3.9	-4.3	-4.5	-4.5	-1.1	-2.2
Oct 21	-4.7	-4.9	-5.1	-5.3	-5.5	-5.8	-5.9	-5.9	-6	-6	-5.9	-5.8	-5.8	-5.4	-5.7	-5.9	-5.9	-6	-6	-5.8	-5.5	-5.2	-5	-4.9	-6.0	-4.7	**-5.6**
Oct 22	-5.2	-5.4	-5.5	-6	-7.3	-7.9	-7.7	-7.6	-6.8	-5.4	-3.2	-1.8	-0.8	0.3	1	1.2	1.4	1.4	1.8	2.5	2.4	1.8	1	1.7	-7.9	2.5	-2.3
Oct 23	1.5	0.6	0.5	0.5	-0.6	-1.4	-1.6	-1.8	-1.1	1.6	3.5	4.7	4.9	4.9	5.5	5.7	5.3	3.7	2.5	2.6	2.2	1.8	1.6	1.4	-1.8	5.7	2.0
Oct 24	1.3	0.7	0.4	0.5	0.3	-0.3	-0.2	-0.5	-0.1	1.7	3.2	4.5	5.5	6	5.3	4.8	5.1	3.7	2.2	0.9	-0.4	-1.7	-1.7	-1.5	-1.7	6.0	1.7
Oct 25	-2.4	-2.9	-3.3	-4	-4.3	-4.8	-5.4	-5.8	-5.1	-2.1	0.3	2.1	3.6	4.7	5.3	5.4	4.5	0.3	-2.6	-3.4	-3.6	-3.7	-4.6	-5.4	-5.8	5.4	-1.6
Oct 26	-4.6	-4	-3.7	-3.2	-3.4	-3.6	-3.8	-3.8	-3.1	-2.3	-1.5	-0.9	0.3	1.5	1.6	1.5	1.4	1.1	1.1	1	0.4	0	-0.8	-1	-4.6	1.6	-1.2
Oct 27	-1.8	-1.9	-2.3	-2.7	-1.8	-0.9	-0.4	-0.4	-0.4	0.9	1.3	2.1	2.6	2.8	1.1	0.1	0.4	-1	-2	-1.2	-0.8	-0.7	-1.2	-1.4	-2.7	2.8	-0.4
Oct 28	-1.4	-1.3	-1.5	-1.7	-1.8	-1.9	-2	-2.2	-2.2	-1.9	-1.9	-2	-1.8	-1.8	-1.8	-1.8	-1.9	-2.4	-2.7	-3.1	-3.4	-3.8	-4.4	-4.5	-4.5	-1.3	-2.3
Oct 29	-4.7	-4.9	-6	-7.6	-9.7	-11.3	-12.2	**-12.7**	-10.2	-6.9	-5.4	-3.2	-1.3	-0.1	0.6	1.8	1.3	-1.5	-2.6	-2.6	-1.8	-1.5	-1.9	-1.1	**-12.7**	1.8	-4.4
Oct 30	-0.7	-1.2	-1.8	-2.4	-2.7	-2.9	-2.8	-3.2	-3.6	-3.1	-2.1	-0.7	0	-0.2	0.1	-0.4	-1.6	-2.2	-2.8	-3.1	-3.4	-4	-4.7	-5.1	-5.1	0.1	-2.3
Oct 31	-5.3	-5.2	-5.2	-5.2	-5.2	-4.9	-4.9	-4.8	-4.7	-4.5	-4.1	-3.5	-3.3	-3.2	-2.9	-2.8	-2.8	-2.8	-2.9	-3.1	-3.2	-3.2	-3.1	-3	-5.3	-2.8	-3.9
Diurnal Maximum	11.1	10.4	10.5	10.8	9.9	10.3	10.6	11.0	12.0	13.9	15.7	17.1	18.4	19.6	20.6	20.8	20.1	16.4	14.2	15.6	15.5	15.0	13.9	11.6			
Diurnal Average	1.3	1.0	0.7	0.5	0.1	-0.2	-0.4	-0.4	0.6	2.5	4.0	5.1	5.9	6.5	6.7	6.6	6.4	5.1	3.7	3.0	2.4	2.0	1.7	1.4			

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

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

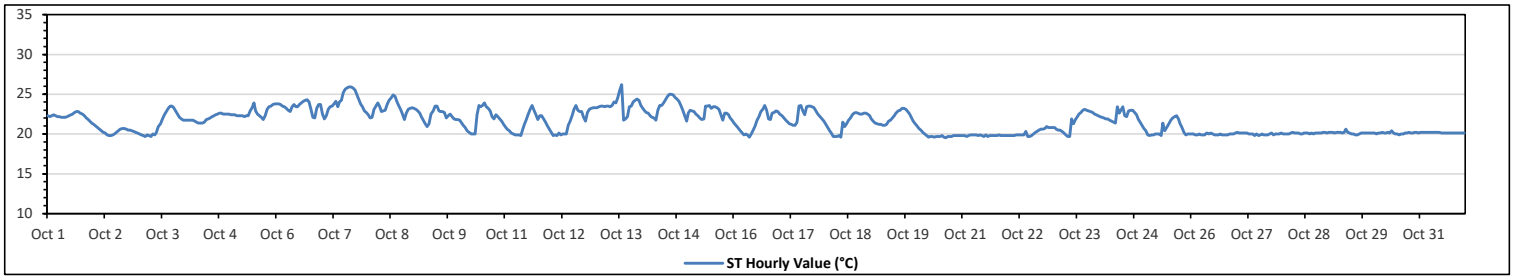
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	26.2	°C	on Oct 13 at hr 13	Hours in Service:	744
Maximum Daily Value:	24.1	°C	on Oct 7	Hours of Data:	744
Minimum Hourly Value:	19.5	°C	on Oct 20 at hr 15	Hours of Missing Data:	0
Minimum Daily Value:	19.8	°C	on Oct 21	Hours of Calibration:	0
Monthly Average:	21.6	°C		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Oct 1	22.3	22.2	22.3	22.4	22.3	22.2	22.2	22.1	22.1	22.1	22.2	22.3	22.4	22.5	22.7	22.8	22.8	22.6	22.5	22.3	22.0	21.8	21.6	21.4	21.4	22.8	22.3
Oct 2	21.2	21.0	20.8	20.6	20.4	20.2	20.1	19.9	19.8	19.8	19.9	20.0	20.2	20.4	20.6	20.7	20.7	20.6	20.5	20.5	20.4	20.3	20.2	20.1	19.8	21.2	20.4
Oct 3	20.0	19.9	19.8	19.7	19.9	19.8	19.7	20.0	19.9	20.2	20.9	21.3	21.9	22.4	22.8	23.2	23.5	23.5	23.3	22.9	22.5	22.1	21.9	21.7	19.7	23.5	21.4
Oct 4	21.7	21.7	21.7	21.7	21.7	21.6	21.5	21.4	21.4	21.4	21.5	21.8	21.9	22.0	22.2	22.3	22.4	22.5	22.6	22.6	22.5	22.5	22.5	22.5	21.4	22.6	22.0
Oct 5	22.4	22.4	22.4	22.3	22.3	22.3	22.3	22.2	22.3	22.3	22.9	23.3	23.9	22.9	22.5	22.3	22.1	21.8	22.3	23.1	23.4	23.5	23.7	23.8	21.8	23.9	22.7
Oct 6	23.8	23.8	23.7	23.5	23.4	23.2	23.0	22.8	23.4	23.7	23.4	23.4	23.7	23.9	24.1	24.2	24.3	24.0	23.1	22.1	22.0	23.2	23.7	23.7	22.0	24.3	23.5
Oct 7	22.5	21.9	22.3	23.1	23.4	23.5	23.8	24.1	23.4	24.0	24.2	25.2	25.6	25.8	25.9	25.9	25.8	25.5	25.0	24.4	23.8	23.4	22.9	22.7	21.9	25.9	**24.1**
Oct 8	22.4	22.0	22.1	23.1	23.5	23.9	23.4	22.8	22.9	23.0	23.7	24.2	24.5	24.9	24.7	24.0	23.6	23.1	22.5	21.8	22.6	23.1	23.2	23.3	21.8	24.9	23.3
Oct 9	23.2	23.1	22.9	22.6	22.2	21.7	21.3	20.9	21.3	22.5	22.9	23.5	23.5	22.9	22.8	22.8	22.7	22.0	22.3	22.5	22.2	21.9	21.8	21.8	20.9	23.5	22.4
Oct 10	21.7	21.4	21.1	20.8	20.4	20.2	20.0	20.0	20.0	22.4	23.6	23.4	23.6	23.9	23.4	23.2	22.9	22.2	21.9	22.4	22.2	21.9	21.6	21.2	20.0	23.9	21.9
Oct 11	20.9	20.6	20.4	20.1	20.0	19.9	19.9	19.9	19.8	20.5	21.2	21.8	22.5	23.1	23.6	23.0	22.4	21.8	22.3	22.3	21.9	21.5	21.1	20.6	19.8	23.6	21.3
Oct 12	20.2	19.8	19.9	19.8	20.1	19.9	20.0	20.0	20.0	21.1	21.6	22.3	23.1	23.6	23.0	22.8	22.8	22.1	21.6	22.7	23.1	23.2	23.3	23.3	19.8	23.6	21.6
Oct 13	23.3	23.4	23.5	23.5	23.4	23.5	23.5	23.4	23.6	24.0	23.9	24.6	25.5	**26.2**	21.7	21.9	22.2	23.4	23.5	24.0	24.2	24.4	24.2	23.6	21.7	**26.2**	23.7
Oct 14	23.2	22.9	22.7	22.6	22.3	22.1	22.0	21.7	23.0	23.6	23.6	23.9	24.3	24.7	25.0	25.0	24.9	24.6	24.4	24.1	23.6	23.0	22.3	21.6	21.6	25.0	23.4
Oct 15	22.6	23.0	22.9	22.8	22.5	22.3	22.0	21.8	21.9	23.5	23.5	23.6	23.2	23.4	23.4	23.3	23.1	22.4	21.7	22.6	22.6	22.4	22.0	21.7	21.7	23.6	22.7
Oct 16	21.4	21.1	20.8	20.5	20.2	19.9	20.0	19.9	19.6	20.0	20.5	21.0	21.7	22.2	22.8	23.1	23.6	23.0	21.9	21.8	22.6	22.7	22.9	22.8	19.6	23.6	21.5
Oct 17	22.5	22.3	22.0	21.7	21.5	21.3	21.2	21.1	21.1	21.5	23.5	23.6	22.9	22.4	23.4	23.5	23.5	23.4	23.3	22.9	22.5	22.2	21.9	21.6	21.1	23.6	22.4
Oct 18	21.2	20.8	20.4	20.1	19.7	19.7	19.7	19.8	19.6	21.5	20.9	21.3	21.7	22.0	22.4	22.6	22.7	22.6	22.5	22.5	22.6	22.6	22.5	22.3	19.6	22.7	21.4
Oct 19	21.9	21.6	21.4	21.3	21.2	21.2	21.1	21.1	21.2	21.6	21.7	22.0	22.3	22.6	22.9	23.0	23.2	23.2	23.1	22.8	22.5	22.0	21.6	21.3	21.1	23.2	22.0
Oct 20	21.0	20.7	20.5	20.2	20.0	19.8	19.6	19.7	19.7	19.6	19.7	19.7	19.7	19.8	19.6	**19.5**	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	**19.5**	21.0	19.9
Oct 21	19.8	19.8	19.7	19.8	19.9	19.9	19.9	19.9	19.8	19.9	19.8	19.7	19.9	19.7	19.8	19.8	19.8	19.8	19.8	19.9	19.8	19.8	19.8	19.8	19.7	19.9	**19.8**
Oct 22	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	19.9	20.3	19.7	19.7	19.8	20.0	20.2	20.3	20.5	20.6	20.6	20.7	20.9	20.8	20.8	20.8	19.7	20.9	20.2
Oct 23	20.8	20.6	20.5	20.5	20.3	20.1	19.9	19.7	19.7	21.9	21.3	21.8	22.2	22.5	22.7	23.0	23.1	23.0	22.9	22.8	22.7	22.5	22.4	22.3	19.7	23.1	21.6
Oct 24	22.2	22.1	22.0	21.9	21.9	21.7	21.6	21.5	21.4	23.4	22.6	23.0	23.4	22.3	22.2	22.9	23.0	23.0	22.7	22.4	21.9	21.5	21.1	20.7	20.7	23.4	22.2
Oct 25	20.4	19.9	19.8	19.9	19.9	20.0	20.0	20.0	19.8	21.4	20.4	20.8	21.2	21.7	22.0	22.2	22.3	21.9	21.3	20.8	20.2	19.9	20.0	20.0	19.8	22.3	20.7
Oct 26	20.0	20.0	19.9	19.9	20.0	19.9	19.9	19.9	20.1	20.0	20.1	20.0	19.9	19.9	19.9	20.0	19.9	19.9	19.9	19.9	20.0	20.0	20.0	20.1	19.9	20.1	20.0
Oct 27	20.2	20.1	20.1	20.1	20.1	20.1	20.0	20.0	20.0	19.8	20.0	19.8	19.9	20.0	19.9	19.9	19.9	20.0	20.1	19.9	20.0	20.0	20.0	20.1	19.8	20.2	20.0
Oct 28	20.0	20.0	20.0	20.0	20.1	20.2	20.1	20.1	20.1	20.0	20.0	20.1	20.1	20.1	20.0	20.1	20.0	20.1	20.1	20.1	20.1	20.2	20.2	20.1	20.0	20.2	20.1
Oct 29	20.2	20.2	20.2	20.1	20.2	20.2	20.2	20.1	20.2	20.6	20.2	20.1	20.0	20.0	19.9	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	19.9	20.6	20.1
Oct 30	20.1	20.0	20.1	20.1	20.2	20.1	20.1	20.2	20.1	20.4	20.1	20.0	20.0	19.9	20.0	20.0	20.1	20.1	20.2	20.1	20.1	20.2	20.2	20.1	19.9	20.4	20.1
Oct 31	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.2	20.1
Diurnal Maximum	23.8	23.8	23.7	23.5	23.5	23.9	23.8	24.1	23.6	24.0	24.2	25.2	25.6	26.2	25.9	25.9	25.8	25.5	25.0	24.4	24.2	24.4	24.2	23.8			
Diurnal Average	21.4	21.2	21.2	21.1	21.1	21.0	20.9	20.8	20.9	21.5	21.6	21.8	22.1	22.2	22.1	22.2	22.2	22.0	21.9	21.8	21.8	21.7	21.6	21.5			

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

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



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

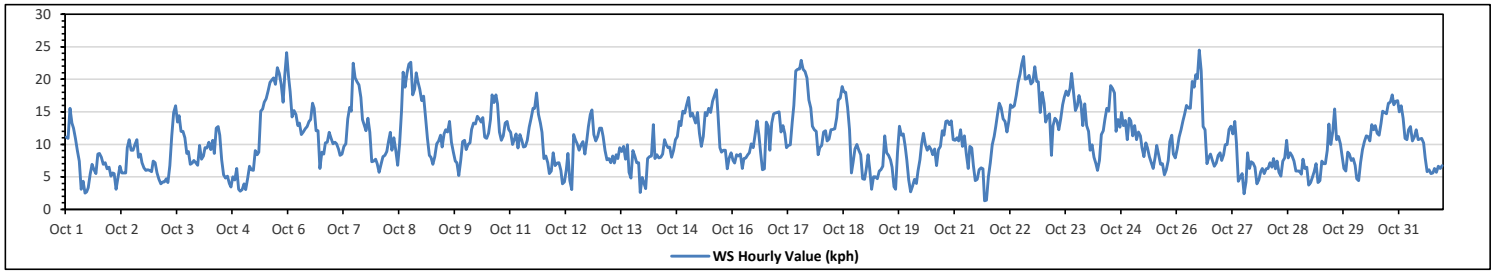
VECTOR WIND SPEED (VWS) in km/hr

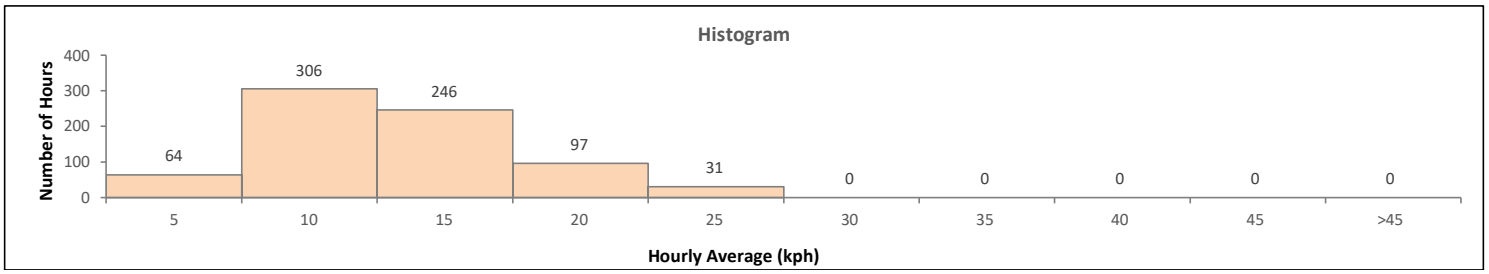
Maximum Hourly Value:	24.5	kph	on Oct 26 at hr 12	Hours in Service:	744	
Maximum Daily Value:	17.9	kph	on Oct 22	Hours of Data:	744	
Minimum Hourly Value:	1.3	kph	on Oct 21 at hr 16	Hours of Missing Data:	0	
Minimum Daily Value:	6.8	kph	on Oct 28	Hours of Calibration:	0	
Monthly Average:	4.9	kph		Operational 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
Oct 1	11.1	10.9	15.5	13.3	12.5	10.9	9.0	7.4	3.1	4.3	2.5	2.7	3.3	5.4	6.9	6.1	5.5	8.5	8.6	8.0	6.9	7.2	6.2	6.5	2.5	15.5	7.6
Oct 2	5.1	5.6	5.5	3.1	4.9	6.6	5.6	5.6	5.6	9.5	10.7	9.1	9.1	10.0	10.7	8.0	8.5	7.2	6.4	6.0	6.1	6.0	5.8	7.4	3.1	10.7	7.0
Oct 3	7.2	5.6	4.6	3.9	4.2	4.2	4.7	4.1	6.7	11.3	14.9	15.9	13.4	14.4	12.0	12.0	11.0	8.6	8.9	6.9	7.1	7.5	7.2	6.8	3.9	15.9	8.5
Oct 4	9.8	7.7	8.2	9.5	9.4	10.3	9.2	10.6	8.6	12.5	12.7	11.4	7.6	5.3	4.8	5.1	4.0	3.4	5.0	4.5	6.3	3.1	2.8	3.0	2.8	12.7	7.3
Oct 5	3.9	3.0	4.7	6.6	6.1	6.0	9.0	8.4	8.8	15.1	15.4	16.5	17.0	18.2	19.5	19.9	20.2	19.2	21.8	20.9	19.2	16.5	20.5	24.1	3.0	24.1	14.2
Oct 6	20.4	18.1	14.2	15.2	14.6	12.9	13.3	11.5	11.9	12.4	12.7	13.5	13.8	16.3	15.5	12.1	12.1	6.3	8.8	8.5	10.2	10.3	11.8	10.9	6.3	20.4	12.8
Oct 7	10.1	10.3	10.1	9.3	8.3	8.5	9.7	10.1	13.9	15.7	15.1	22.5	20.2	19.6	19.1	17.2	13.8	12.9	12.1	14.0	11.8	7.3	7.4	7.7	7.3	22.5	12.8
Oct 8	7.0	5.7	6.9	8.1	8.3	8.9	10.6	11.8	9.1	11.0	9.1	6.8	10.1	15.1	21.1	18.8	20.9	22.3	22.6	17.6	18.5	21.0	19.7	18.5	5.7	22.6	13.7
Oct 9	16.7	17.4	14.2	10.9	8.3	8.0	6.9	8.1	10.1	10.5	11.4	9.6	11.6	12.2	11.9	13.5	10.3	8.8	7.4	7.2	5.2	7.5	10.4	10.6	5.2	17.4	10.4
Oct 10	9.2	10.0	10.2	12.3	13.3	13.1	14.3	13.9	13.4	14.1	11.1	10.9	11.7	13.8	17.6	16.4	17.6	16.2	11.9	10.6	11.3	13.3	13.5	12.3	9.2	17.6	13.0
Oct 11	11.8	10.0	10.8	11.6	9.4	11.5	10.6	9.6	9.7	10.6	12.6	14.0	15.5	15.5	17.9	14.6	13.3	11.8	7.8	8.2	7.2	5.5	5.9	8.7	5.5	17.9	11.0
Oct 12	6.7	7.1	7.2	6.0	3.9	4.2	6.1	8.6	4.4	3.0	11.5	10.6	10.1	9.1	9.9	10.4	8.5	10.6	12.7	14.6	15.3	11.5	10.5	11.2	3.0	15.3	8.9
Oct 13	12.5	12.5	11.2	9.0	7.6	7.8	7.2	8.2	7.1	8.4	7.8	9.5	8.9	9.7	7.7	9.9	5.7	4.8	9.0	8.2	7.2	7.2	2.6	4.9	2.6	12.5	8.1
Oct 14	4.1	3.2	7.8	8.1	8.2	13.0	7.8	8.4	7.9	8.0	8.5	10.7	10.0	9.5	9.6	8.0	9.0	10.7	11.2	13.5	12.9	15.1	14.8	16.1	3.2	16.1	9.8
Oct 15	17.2	14.3	14.8	14.0	13.3	14.9	11.7	9.7	11.2	14.9	14.4	15.5	14.9	16.6	17.5	18.4	14.6	9.5	8.8	9.1	9.1	6.2	7.9	8.7	6.2	18.4	12.8
Oct 16	7.5	7.1	8.4	8.2	8.5	6.3	7.8	7.9	8.4	8.7	10.1	9.5	11.5	13.6	11.4	8.8	6.1	6.2	13.4	12.8	9.1	13.3	14.7	14.8	6.1	14.8	9.8
Oct 17	14.9	15.0	11.9	12.9	11.6	9.5	9.8	9.9	13.4	16.0	21.3	21.5	21.6	22.9	21.5	21.2	20.2	16.8	15.6	12.8	12.2	12.0	8.4	9.5	8.4	22.9	15.1
Oct 18	9.8	11.9	12.1	10.5	10.8	12.2	12.3	12.4	14.1	16.8	17.1	18.9	18.1	18.0	15.7	12.2	5.6	7.2	9.3	10.0	9.1	8.4	4.7	4.6	4.6	18.9	11.7
Oct 19	6.1	8.4	6.2	3.1	5.0	5.0	4.7	5.9	6.1	6.6	11.3	8.7	8.3	7.6	6.5	3.5	3.1	8.8	12.8	11.4	11.6	9.7	7.6	4.5	3.1	12.8	7.2
Oct 20	2.7	3.6	4.6	4.0	5.9	7.6	9.9	11.7	10.0	9.1	9.7	9.2	8.4	9.3	6.7	9.2	9.7	12.1	11.4	13.5	13.6	13.0	13.6	10.7	2.7	13.6	9.1
Oct 21	10.6	11.0	10.5	12.2	9.7	11.3	8.5	6.3	9.7	9.4	6.8	4.4	4.6	6.1	6.4	6.2	**1.3**	1.4	5.0	7.2	9.9	11.2	12.7	14.8	**1.3**	14.8	8.2
Oct 22	16.3	15.6	13.9	13.5	11.9	13.6	16.1	15.7	15.9	17.5	19.5	20.8	22.3	23.5	20.0	20.1	20.6	19.3	19.6	21.9	19.7	19.6	14.9	18.0	11.9	23.5	**17.9**
Oct 23	16.3	13.4	14.3	14.7	8.3	12.9	14.0	13.6	12.2	13.9	16.1	17.2	18.2	17.5	18.6	20.9	18.0	15.2	15.9	17.5	16.3	12.9	16.2	12.9	8.3	20.9	15.3
Oct 24	12.0	9.1	9.9	8.0	7.0	6.0	7.5	11.5	12.1	13.8	15.5	15.1	19.0	18.6	17.9	12.0	13.8	12.6	14.9	12.9	13.7	10.7	14.0	13.6	6.0	19.0	12.6
Oct 25	11.3	12.9	10.7	11.9	11.3	9.5	8.1	10.2	9.5	8.1	7.2	6.3	8.0	9.8	8.4	6.9	7.0	5.3	6.1	7.5	10.4	11.4	8.5	7.9	5.3	12.9	8.9
Oct 26	9.3	11.1	12.2	13.6	14.6	16.0	15.6	15.5	19.7	18.8	20.7	20.1	**24.5**	21.3	12.7	12.2	7.0	8.0	8.5	7.5	6.6	7.1	8.3	8.7	6.6	**24.5**	13.3
Oct 27	7.5	8.4	9.9	10.0	12.3	12.8	11.6	13.5	10.3	4.3	4.9	5.5	2.4	4.2	8.7	6.3	7.3	7.1	6.5	3.9	4.5	5.8	6.3	5.5	2.4	13.5	7.5
Oct 28	6.2	6.3	7.2	6.5	7.8	6.2	7.4	5.7	5.1	7.4	7.9	10.6	7.9	8.7	8.2	7.4	5.9	5.9	5.9	5.4	7.7	6.3	6.5	3.7	3.7	10.6	**6.8**
Oct 29	4.1	5.0	5.8	7.0	4.1	4.4	7.4	7.0	7.0	9.1	13.1	10.0	11.9	15.4	10.7	11.2	10.1	8.3	6.3	5.9	8.8	8.5	7.5	7.8	4.1	15.4	8.2
Oct 30	6.8	4.7	4.4	7.2	9.2	10.4	11.3	11.2	10.5	13.0	12.2	12.9	11.7	11.4	13.2	15.1	14.9	14.7	16.3	16.5	17.6	16.1	16.6	16.7	4.4	17.6	12.3
Oct 31	15.0	15.9	14.0	10.9	10.7	12.2	12.7	10.5	11.1	12.2	10.7	10.8	10.9	10.2	7.9	5.8	6.1	5.5	5.6	6.3	5.7	6.6	6.3	6.7	5.5	15.9	9.6
Diurnal Maximum	20.4	18.1	15.5	15.2	14.6	16.0	16.1	15.7	19.7	18.8	21.3	22.5	24.5	23.5	21.5	21.2	20.9	22.3	22.6	21.9	19.7	21.0	20.5	24.1			
Diurnal Average	10.0	9.7	9.7	9.5	9.1	9.6	9.7	9.8	9.9	11.2	12.1	12.3	12.5	13.2	12.8	11.9	10.7	10.2	10.8	10.7	10.7	10.3	10.1	10.3			

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.



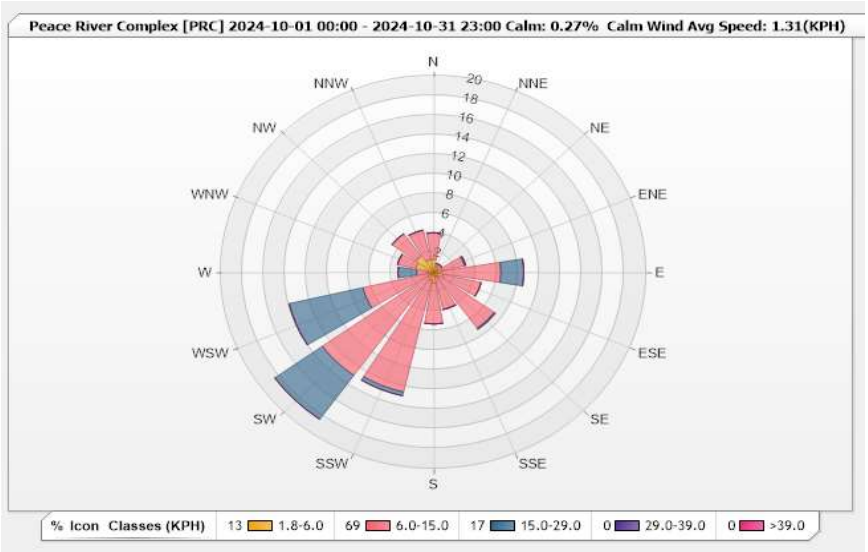


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 10-2024

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

Calm (WS<1.8kph): 0.27% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.34	2.69	0	0	0	4.03
NNE	0.67	0.27	0	0	0	0.94
NE	0.4	0.54	0	0	0	0.94
ENE	0.81	2.15	0.13	0	0	3.09
E	0.13	6.18	2.15	0	0	8.46
ESE	0.94	3.63	0	0	0	4.57
SE	0.54	6.45	0.13	0	0	7.12
SSE	0.4	3.49	0	0	0	3.89
S	1.08	4.17	0	0	0	5.25
SSW	0.81	11.69	0.4	0	0	12.9
SW	0.27	12.63	5.51	0	0	18.41
WSW	0.27	6.59	7.12	0	0	13.98
W	0.54	1.08	1.75	0	0	3.37
WNW	1.75	1.75	0	0	0	3.5
NW	2.02	2.82	0	0	0	4.84
NNW	1.34	3.09	0	0	0	4.43
Summary	13.31	69.22	17.19	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - October 2024

Summary of Hourly Averages

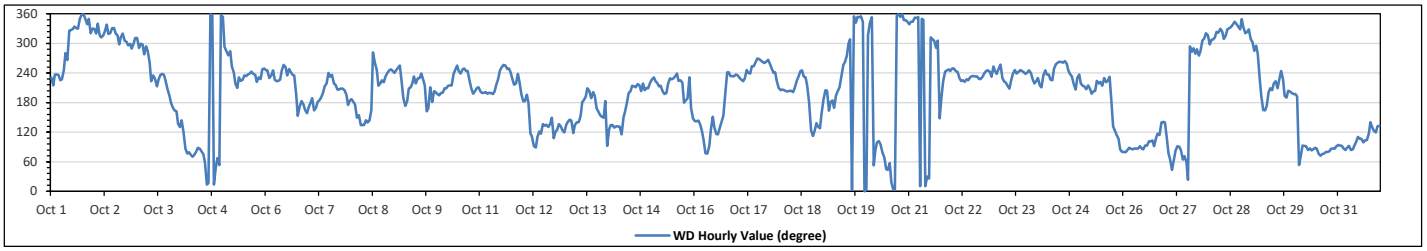
WIND DIRECTION (VWD) in sector

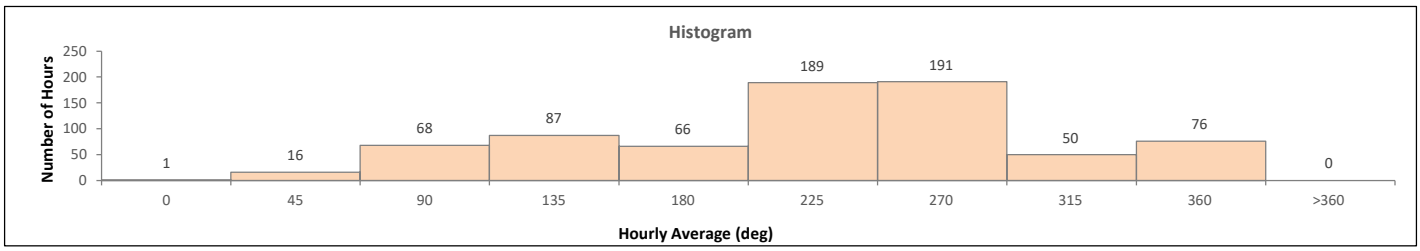
Monthly Average:	216 (SW)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Oct 1	SW	SSW	SW	SW	SW	SW	SW	WSW	W	W	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	N	NW	NNW	282	W
Oct 2	NNW	NW	NNW	NW	NW	NW	NW	NNW	NW	NW	NNW	NNW	NW	NW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	315	NW
Oct 3	NW	WNW	WNW	WNW	W	WNW	WNW	W	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SSW	SSW	S	SSE	SSE	SSE	SE	226	SW
Oct 4	SE	SE	ESE	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	ENE	ENE	NNE	NNE	N	N	NNE	NE	ENE	NE	N	75	ENE
Oct 5	N	WNW	WNW	W	WNW	WSW	WSW	SW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	SW	SW	SW	WSW	WSW	238	SW
Oct 6	WSW	WSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	SSW	SSE	S	S	S	SSE	SSE	226	SW
Oct 7	SSE	S	S	SSE	SSE	S	S	S	SSW	SSW	SW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	206	SSW
Oct 8	S	S	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SSE	W	W	WSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	213	SSW
Oct 9	WSW	WSW	WSW	WSW	SW	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	SSW	SSE	SSE	SSW	S	SSW	SSW	219	SW
Oct 10	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSW	SSW	SSW	223	SW
Oct 11	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SSW	224	SW
Oct 12	S	S	SSW	S	ESE	ESE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	ESE	ESE	SE	SE	SE	ESE	ESE	131	SE
Oct 13	SE	SE	SE	SE	ESE	SE	SE	SE	SSE	S	S	S	SSW	SSW	S	SSW	SSW	SSE	SSE	SSE	SSE	SSE	S	E	161	SSE
Oct 14	SE	SE	SE	SE	SE	SE	SE	ESE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SW	SSW	SSW	SSW	SW	187	S
Oct 15	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	S	S	S	SW	SSE	SE	216	SW
Oct 16	SE	SE	SE	SE	ESE	ESE	ENE	ENE	E	SE	SSE	SE	ESE	ESE	SE	SE	SSE	SSW	WSW	WSW	SW	SW	SW	SW	159	SSE
Oct 17	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	W	W	WSW	WSW	WSW	WSW	SW	SSW	251	WSW
Oct 18	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	SSW	S	ESE	ESE	ESE	SE	SE	SE	SSE	205	SSW
Oct 19	S	SSW	SSW	SSE	S	S	SSE	SSW	SSW	SSW	SW	WSW	W	W	WNW	NW	N	N	NNW	N	N	N	NNW	N	279	W
Oct 20	N	NW	NNW	N	NE	E	E	E	E	ENE	ENE	NE	NE	ENE	NNE	N	N	N	N	N	N	NNW	NNW	NNW	25	NNE
Oct 21	NNW	NNW	NNW	N	N	N	N	N	NNW	N	NNE	NNE	NW	NW	WNW	WNW	NW	SE	SSW	SW	WSW	WSW	WSW	WSW	319	NW
Oct 22	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	235	SW
Oct 23	WSW	SW	WSW	WSW	SW	SW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SW	236	SW
Oct 24	SW	SSW	SSW	SW	WSW	SW	SW	SW	SW	WSW	WSW	W	W	W	W	W	WSW	WSW	SW	SW	SW	SSW	SW	SW	242	WSW
Oct 25	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	S	SE	ESE	ESE	ESE	E	E	196	SSW
Oct 26	E	ENE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	ESE	ESE	ESE	SE	SE	SE	94	E
Oct 27	ESE	ENE	ENE	NE	ENE	E	E	E	E	ENE	ENE	ENE	NNE	WNW	W	WNW	W	WNW	W	WNW	NW	NW	NW	NW	41	NE
Oct 28	WNW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NW	325	NW
Oct 29	WNW	WNW	WNW	W	SW	S	SSE	SSE	S	SSW	SSW	SSW	SW	SW	SSW	SW	WSW	SW	S	S	SSW	SSW	SSW	SSW	214	SSW
Oct 30	SSW	S	NE	ENE	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E	85	E
Oct 31	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	E	ESE	ESE	ESE	SE	SE	ESE	ESE	SE	SE	100	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 - October 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	24.5	kph	on Oct 26 at hr 12	Hours in Service:	744
Maximum Daily Value:	17.9	kph	on Oct 22	Hours of Data:	744
Minimum Hourly Value:	1.3	kph	on Oct 21 at hr 16	Hours of Missing Data:	0
Minimum Daily Value:	6.8	kph	on Oct 28	Hours of Calibration:	0
Monthly Average:	4.9	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 216 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			
Oct 1	11.1	10.9	15.5	13.3	12.5	10.9	9.0	7.4	3.1	4.3	2.5	2.7	3.3	5.4	6.9	6.1	5.5	8.5	8.6	8.0	6.9	7.2	6.2	6.5	2.5	15.5	7.6
	SW	SSW	SW	SW	SW	SW	SW	WSW	W	W	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	N	NW	NNW			282(W)
Oct 2	5.1	5.6	5.5	3.1	4.9	6.6	5.6	5.6	5.6	9.5	10.7	9.1	9.1	10.0	10.7	8.0	8.5	7.2	6.4	6.0	6.1	6.0	5.8	7.4	3.1	10.7	7.0
	NNW	NW	NNW	NW	NW	NW	NW	NNW	NW	NW	NNW	NNW	NW	NW	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW			315(NW)
Oct 3	7.2	5.6	4.6	3.9	4.2	4.2	4.7	4.1	6.7	11.3	14.9	15.9	13.4	14.4	12.0	12.0	11.0	8.6	8.9	6.9	7.1	7.5	7.2	6.8	3.9	15.9	8.5
	NW	WNW	WNW	WNW	W	WNW	WNW	W	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SSW	SSW	S	SSE	SSE	SSE	SE			226(SW)
Oct 4	9.8	7.7	8.2	9.5	9.4	10.3	9.2	10.6	8.6	12.5	12.7	11.4	7.6	5.3	4.8	5.1	4.0	3.4	5.0	4.5	6.3	3.1	2.8	3.0	2.8	12.7	7.3
	SE	SE	ESE	E	ENE	ENE	ENE	ENE	ENE	E	E	E	E	ENE	ENE	NNE	NNE	N	N	NNE	NE	ENE	NE	N			75(ENE)
Oct 5	3.9	3.0	4.7	6.6	6.1	6.0	9.0	8.4	8.8	15.1	15.4	16.5	17.0	18.2	19.5	19.9	20.2	19.2	21.8	20.9	19.2	16.5	20.5	24.1	3.0	24.1	14.2
	N	WNW	WNW	W	WNW	WSW	WSW	SW	SSW	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	SW	SW	SW	WSW	WSW			238(SW)
Oct 6	20.4	18.1	14.2	15.2	14.6	12.9	13.3	11.5	11.9	12.4	12.7	13.5	13.8	16.3	15.5	12.1	12.1	6.3	8.8	8.5	10.2	10.3	11.8	10.9	6.3	20.4	12.8
	WSW	WSW	SW	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	SSW	SSE	S	S	S	SSE	SSE			226(SW)
Oct 7	10.1	10.3	10.1	9.3	8.3	8.5	9.7	10.1	13.9	15.7	15.1	22.5	20.2	19.6	19.1	17.2	13.8	12.9	12.1	14.0	11.8	7.3	7.4	7.7	7.3	22.5	12.8
	SSE	S	S	SSE	SSE	S	S	S	SSW	SSW	SW	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	S			206(SSW)
Oct 8	7.0	5.7	6.9	8.1	8.3	8.9	10.6	11.8	9.1	11.0	9.1	6.8	10.1	15.1	21.1	18.8	20.9	22.3	22.6	17.6	18.5	21.0	19.7	18.5	5.7	22.6	13.7
	S	S	S	SSE	SSE	SE	SE	SE	SE	SE	SE	SSE	W	W	WSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW			213(SSW)
Oct 9	16.7	17.4	14.2	10.9	8.3	8.0	6.9	8.1	10.1	10.5	11.4	9.6	11.6	12.2	11.9	13.5	10.3	8.8	7.4	7.2	5.2	7.5	10.4	10.6	5.2	17.4	10.4
	WSW	WSW	WSW	WSW	SW	S	S	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	SSW	SSE	SSE	SSW	S	SSW	SSW			219(SW)
Oct 10	9.2	10.0	10.2	12.3	13.3	13.1	14.3	13.9	13.4	14.1	11.1	10.9	11.7	13.8	17.6	16.4	17.6	16.2	11.9	10.6	11.3	13.3	13.5	12.3	9.2	17.6	13.0
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SSW	SSW	SSW			223(SW)
Oct 11	11.8	10.0	10.8	11.6	9.4	11.5	10.6	9.6	9.7	10.6	12.6	14.0	15.5	15.5	17.9	14.6	13.3	11.8	7.8	8.2	7.2	5.5	5.9	8.7	5.5	17.9	11.0
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SSW			224(SW)
Oct 12	6.7	7.1	7.2	6.0	3.9	4.2	6.1	8.6	4.4	3.0	11.5	10.6	10.1	9.1	9.9	10.4	8.5	10.6	12.7	14.6	15.3	11.5	10.5	11.2	3.0	15.3	8.9
	S	S	SSW	S	ESE	ESE	E	E	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	ESE	ESE	SE	SE	SE	ESE	ESE			131(SE)
Oct 13	12.5	12.5	11.2	9.0	7.6	7.8	7.2	8.2	7.1	8.4	7.8	9.5	8.9	9.7	7.7	9.9	5.7	4.8	9.0	8.2	7.2	7.2	2.6	4.9	2.6	12.5	8.1
	SE	SE	SE	SE	ESE	ESE	SE	SE	SSE	S	S	S	SSW	SSW	S	SSW	SSW	SSE	SSE	SSE	SSE	SSE	S	E			161(SSE)
Oct 14	4.1	3.2	7.8	8.1	8.2	13.0	7.8	8.4	7.9	8.0	8.5	10.7	10.0	9.5	9.6	8.0	9.0	10.7	11.2	13.5	12.9	15.1	14.8	16.1	3.2	16.1	9.8
	SE	SE	SE	SE	SE	SE	SE	ESE	SSE	SSE	S	SSW	SSW	SSW	SSW	SSW	SW	SSW	SSW	SW	SSW	SSW	SSW	SW			187(S)
Oct 15	17.2	14.3	14.8	14.0	13.3	14.9	11.7	9.7	11.2	14.9	14.4	15.5	14.9	16.6	17.5	18.4	14.6	9.5	8.8	9.1	9.1	6.2	7.9	8.7	6.2	18.4	12.8
	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	S	S	S	SW	SSE	SE			216(SW)
Oct 16	7.5	7.1	8.4	8.2	8.5	6.3	7.8	7.9	8.4	8.7	10.1	9.5	11.5	13.6	11.4	8.8	6.1	6.2	13.4	12.8	9.1	13.3	14.7	14.8	6.1	14.8	9.8
	SE	SE	SE	SE	ESE	ESE	ENE	ENE	E	SE	SSE	SE	ESE	ESE	SE	SE	SSE	SSW	WSW	WSW	SW	SW	SW	SW			159(SSE)
Oct 17	14.9	15.0	11.9	12.9	11.6	9.5	9.8	9.9	13.4	16.0	21.3	21.5	21.6	22.9	21.5	21.2	20.2	16.8	15.6	12.8	12.2	12.0	8.4	9.5	8.4	22.9	15.1
	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	W	W	WSW	WSW	WSW	WSW	SW	SSW			251(WSW)
Oct 18	9.8	11.9	12.1	10.5	10.8	12.2	12.3	12.4	14.1	16.8	17.1	18.9	18.1	18.0	15.7	12.2	5.6	7.2	9.3	10.0	9.1	8.4	4.7	4.6	4.6	18.9	11.7
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	WSW	WSW	SW	SW	SSW	S	ESE	ESE	ESE	SE	SE	SE	SSE			205(SSW)
Oct 19	6.1	8.4	6.2	3.1	5.0	5.0	4.7	5.9	6.1	6.6	11.3	8.7	8.3	7.6	6.5	3.5	3.1	8.8	12.8	11.4	11.6	9.7	7.6	4.5	3.1	12.8	7.2
	S	SSW	SSW	SSE	S	S	SSE	SSW	SSW	SSW	SW	WSW	W	W	WNW	NW	N	N	NNW	N	N	N	NNW	N			279(W)
Oct 20	2.7	3.6	4.6	4.0	5.9	7.6	9.9	11.7	10.0	9.1	9.7	9.2	8.4	9.3	6.7	9.2	9.7	12.1	11.4	13.5	13.6	13.0	13.6	10.7	2.7	13.6	9.1
	N	NW	NNW	N	NE	E	E	E	E	ENE	ENE	NE	NE	ENE	NNE	N	N	N	N	N	N	NNW	NNW	NNW			25(NNE)
Oct 21	10.6	11.0	10.5	12.2	9.7	11.3	8.5	6.3	9.7	9.4	6.8	4.4	4.6	6.1	6.4	6.2	**1.3**	1.4	5.0	7.2	9.9	11.2	12.7	14.8	**1.3**	14.8	8.2
	NNW	NNW	NNW	N	N	N	N	N	NNW	N	NNE	NNE	NW	NW	WNW	WNW	NW	SE	SSW	SW	WSW	WSW	WSW	WSW			319(NW)
Oct 22	16.3	15.6	13.9	13.5	11.9	13.6	16.1	15.7	15.9	17.5	19.5	20.8	22.3	23.5	20.0	20.1	20.6	19.3	19.6	21.9	19.7	19.6	14.9	18.0	11.9	23.5	**17.9**
	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW			235(SW)
Oct 23	16.3	13.4	14.3	14.7	8.3	12.9	14.0	13.6	12.2	13.9	16.1	17.2	18.2	17.5	18.6	20.9	18.0	15.2	15.9	17.5	16.3	12.9	16.2	12.9	8.3	20.9	15.3
	WSW	SW	WSW	WSW	SW	SW	SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SW			236(SW)
Oct 24	12.0	9.1	9.9	8.0	7.0	6.0	7.5	11.5	12.1	13.8	15.5	15.1	19.0	18.6	17.9	12.0	13.8	12.6	14.9	12.9	13.7	10.7	14.0	13.6	6.0	19.0	12.6
	SW	SSW	SSW	SW	WSW	SW	SW	SW	SW	WSW	WSW	W	W	W	W	W	WSW	WSW	SW	SW	SW	SSW	SW	SW			242(WSW)
Oct 25	11.3	12.9	10.7	11.9	11.3	9.5	8.1	10.2	9.5	8.1	7.2	6.3	8.0	9.8	8.4	6.9	7.0	5.3	6.1	7.5	10.4	11.4	8.5	7.9	5.3	12.9	8.9
	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	S	SE	ESE	ESE	ESE	E	E			196(SSW)
Oct 26	9.3	11.1	12.2	13.6	14.6	16.0	15.6	15.5	19.7	18.8	20.7	20.1	**24.5**	21.3	12.7	12.2	7.0	8.0	8.5	7.5	6.6	7.1	8.3	8.7	6.6	**24.5**	13.3
	E	ENE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	ESE	E	ESE	ESE	ESE	SE	SE	SE			94(E)
Oct 27	7.5	8.4	9.9	10.0	12.3	12.8	11.6	13.5	10.3	4.3	4.9	5.5	2.4	4.2	8.7	6.3	7.3	7.1	6.5	3.9	4.5	5.8	6.3	5.5	2.4	13.5	7.5
	ESE	ENE	ENE	NE	ENE	E	E	E	E	ENE	ENE	ENE	NNE	WNW	W	WNW	W	WNW	W	WNW	NW	NW	NW	NW			41(NE)
Oct 28	6.2	6.3	7.2	6.5	7.8	6.2	7.4	5.7	5.1	7.4	7.9	10.6	7.9	8.7	8.2	7.4	5.9	5.9	5.9	5.4	7.7	6.3	6.5	3.7	3.7	10.6	**6.8**
	WNW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NW			325(NW)
Oct 29	4.1	5.0	5.8	7.0	4.1	4.4	7.4	7.0	7.0	9.1	13.1	10.0	11.9	15.4	10.7	11.2	10.1	8.3	6.3	5.9	8.8	8.5	7.5	7.8	4.1	15.4	8.2
	WNW	WNW	WNW	W	SW	S	SSE	SSE	S	SSW	SSW	SSW	SW	SW	SSW	SW	WSW	SW	S	S	SSW	SSW	SSW	SSW			214(SSW)
Oct 30	6.8	4.7	4.4	7.2	9.2	10.4	11.3	11.2	10.5	13.0	12.2	12.9	11.7	11.4	13.2	15.1	14.9	14.7	16.3	16.5	17.6	16.1	16.6	16.7	4.4	17.6	12.3
	SSW	S	NE	ENE	E	E	E	E	E	E	E	E	E	ENE	ENE	ENE	ENE	E	E	E	E	E	E	E			85(E)
Oct 31	15.0	15.9	14.0	10.9	10.7	12.2	12.7	10.5	11.1	12.2	10.7	10.8	10.9	10.2	7.9	5.8	6.1	5.5	5.6	6.3	5.7	6.6	6.3	6.7	5.5	15.9	9.6
	E	E	E	E	E	E	E	E	E	E	E	ESE	ESE	ESE	E	ESE	ESE	ESE	SE	SE	ESE	ESE	SE	SE			100(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 (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.

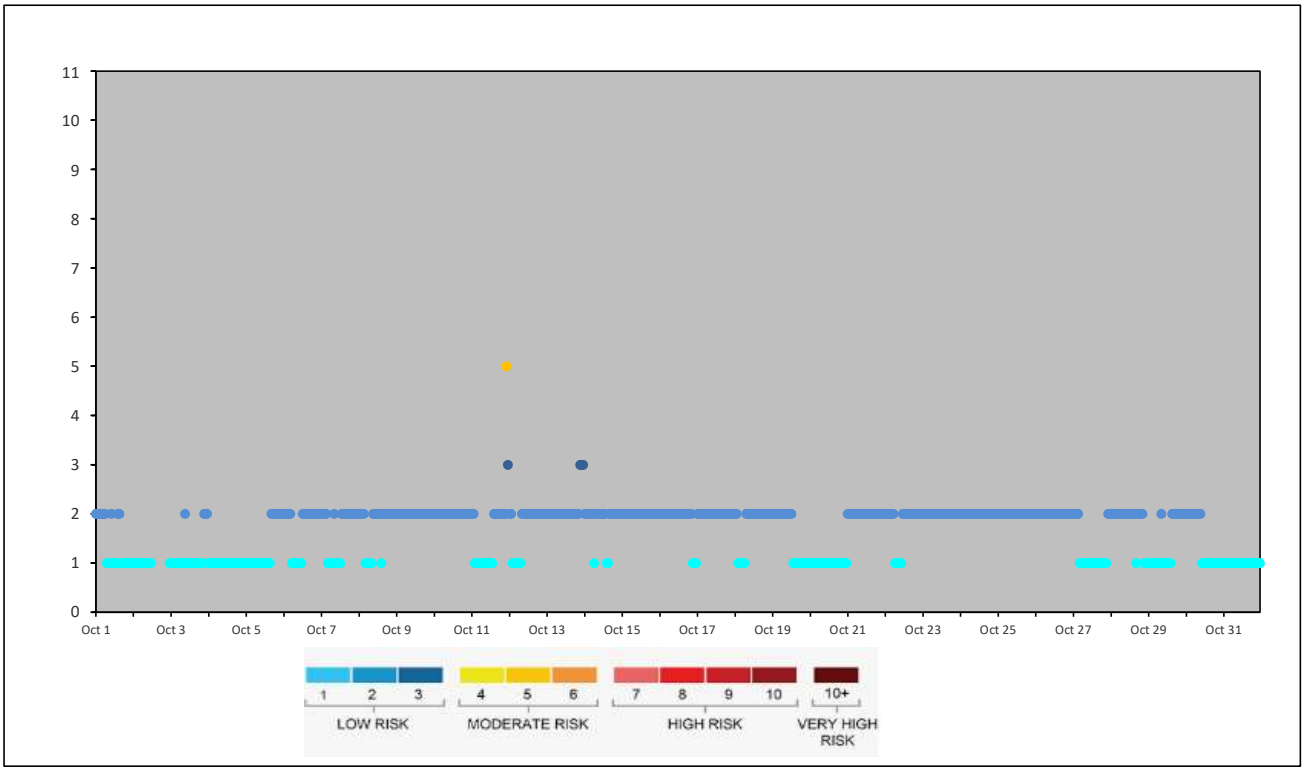
AQHI GRIMSHAW STATION

LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - October 2024

AIR QUALITY HEALTH INDEX

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



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

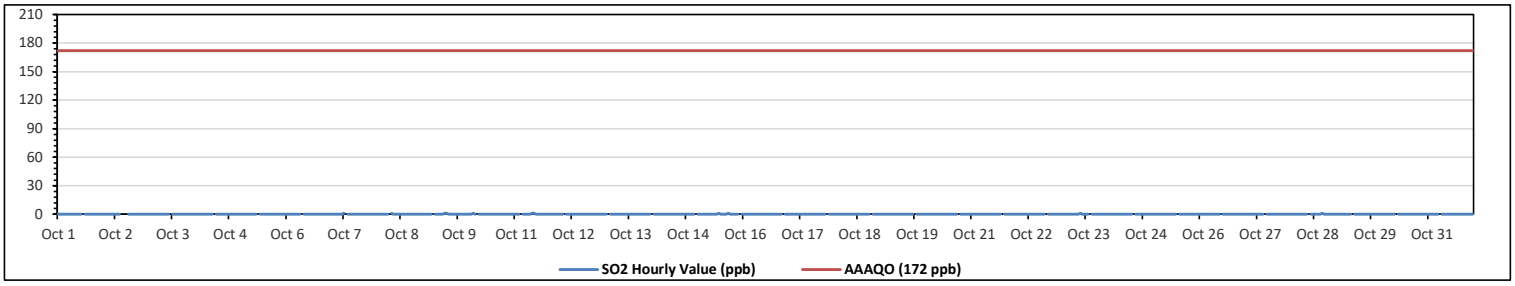
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

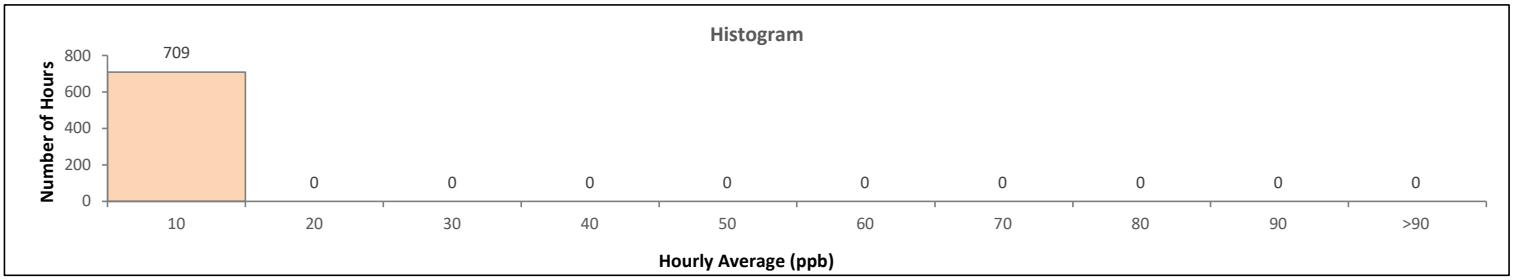
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Oct 7 at hr 6	Hours in Service:	744	
Maximum Daily Value:	0.1	ppb	on Oct 9	Hours of Data:	709	
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Oct 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			
Oct 1	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
Oct 2	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Oct 3	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
Oct 4	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
Oct 5	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
Oct 6	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
Oct 7	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 8	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 9	0	0	0	0	0	S	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 10	0	0	1	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 11	0	0	0	S	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Oct 12	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
Oct 13	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
Oct 14	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
Oct 15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	S	0	0	1	0.1
Oct 16	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
Oct 17	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
Oct 18	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
Oct 19	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
Oct 20	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
Oct 21	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
Oct 22	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
Oct 23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 24	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
Oct 25	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
Oct 26	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
Oct 27	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
Oct 28	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.0
Oct 29	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
Oct 30	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
Oct 31	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
Diurnal Maximum	0	0	1	0	0	0	1	1	0	1	1	1	1	0	0	0	1	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	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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.



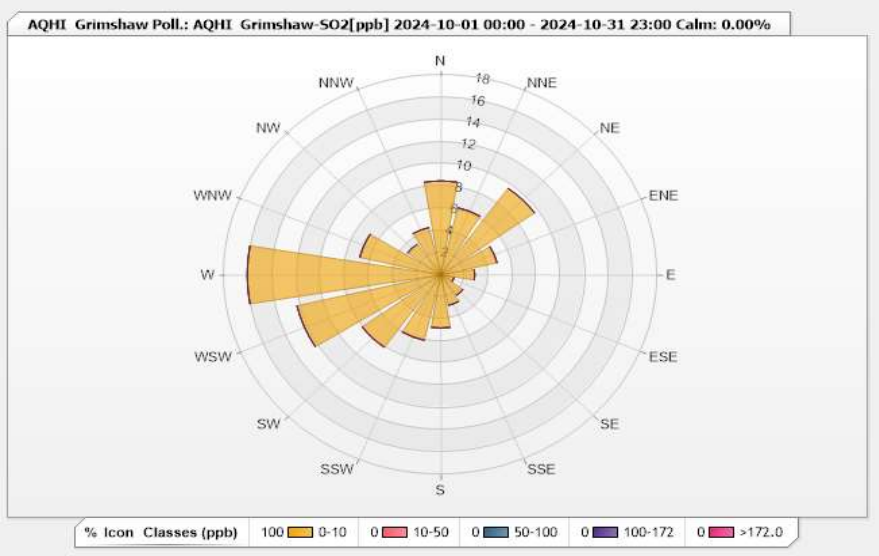


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	8.46	0	0	0	0	8.46
NNE	6.21	0	0	0	0	6.21
NE	9.59	0	0	0	0	9.59
ENE	4.8	0	0	0	0	4.8
E	2.82	0	0	0	0	2.82
ESE	1.13	0	0	0	0	1.13
SE	2.26	0	0	0	0	2.26
SSE	2.82	0	0	0	0	2.82
S	4.8	0	0	0	0	4.8
SSW	6.06	0	0	0	0	6.06
SW	8.04	0	0	0	0	8.04
WSW	12.27	0	0	0	0	12.27
W	16.08	0	0	0	0	16.08
WNW	6.91	0	0	0	0	6.91
NW	3.39	0	0	0	0	3.39
NNW	4.37	0	0	0	0	4.37
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

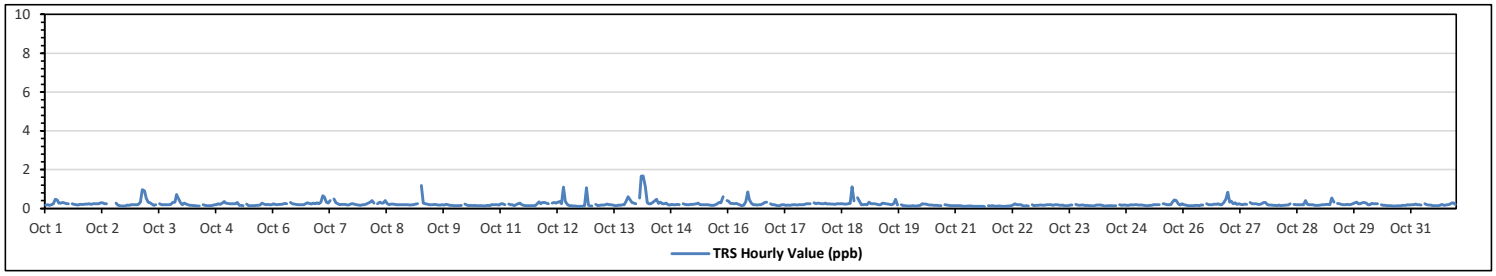
TOTAL REDUCED SULPHUR (TRS) in ppb

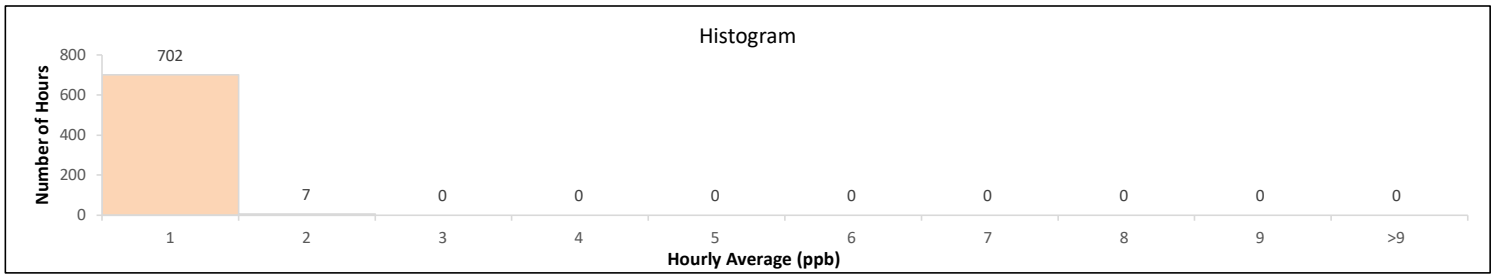
Maximum Hourly Value:	1.67	ppb	on Oct 14 at hr 3	Hours in Service:	744
Maximum Daily Value:	0.44	ppb	on Oct 14	Hours of Data:	709
Minimum Hourly Value:	0.09	ppb	on Oct 21 at hr 15	Hours of Missing Data:	0
Minimum Daily Value:	0.12	ppb	on Oct 21	Hours of Calibration:	35
Monthly Average:	0.22	ppb		Operational 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			
Oct 1	0.17	0.18	0.16	0.18	0.23	0.48	0.44	0.27	0.27	0.3	0.27	0.23	0.23	S	0.25	0.21	0.19	0.17	0.21	0.21	0.21	0.22	0.22	0.23	0.16	0.48	0.24
Oct 2	0.21	0.25	0.25	0.23	0.24	0.29	0.29	0.24	0.23	C	C	C	C	0.28	0.17	0.14	0.13	0.13	0.13	0.17	0.16	0.2	0.18	0.2	0.13	0.29	0.21
Oct 3	0.2	0.21	0.32	0.97	0.89	0.54	0.32	0.29	0.22	0.16	0.18	S	0.23	0.2	0.19	0.18	0.18	0.18	0.21	0.3	0.32	0.71	0.51	0.31	0.16	0.97	0.34
Oct 4	0.2	0.27	0.22	0.18	0.16	0.16	0.14	0.14	0.13	0.13	S	0.2	0.16	0.14	0.14	0.14	0.16	0.18	0.2	0.24	0.21	0.28	0.36	0.27	0.13	0.36	0.19
Oct 5	0.26	0.23	0.24	0.24	0.25	0.31	0.16	0.16	0.15	S	0.22	0.15	0.15	0.15	0.14	0.16	0.16	0.17	0.27	0.22	0.2	0.21	0.19	0.19	0.14	0.31	0.20
Oct 6	0.23	0.21	0.2	0.21	0.21	0.22	0.26	0.25	S	0.3	0.25	0.22	0.21	0.2	0.18	0.18	0.19	0.25	0.29	0.26	0.22	0.27	0.24	0.29	0.18	0.30	0.23
Oct 7	0.24	0.32	0.65	0.59	0.33	0.28	0.41	S	0.49	0.29	0.25	0.19	0.21	0.21	0.21	0.17	0.2	0.23	0.24	0.21	0.19	0.17	0.16	0.18	0.16	0.65	0.28
Oct 8	0.2	0.22	0.28	0.33	0.4	0.27	S	0.24	0.32	0.27	0.28	0.42	0.26	0.19	0.22	0.22	0.21	0.19	0.18	0.2	0.19	0.19	0.19	0.18	0.18	0.42	0.25
Oct 9	0.17	0.18	0.2	0.22	0.24	S	1.18	0.27	0.23	0.22	0.2	0.19	0.19	0.21	0.19	0.17	0.17	0.19	0.17	0.21	0.19	0.16	0.16	0.14	0.14	1.18	0.24
Oct 10	0.14	0.14	0.14	0.16	S	0.22	0.17	0.15	0.16	0.15	0.16	0.14	0.15	0.14	0.15	0.13	0.15	0.16	0.15	0.18	0.19	0.18	0.18	0.17	0.13	0.22	0.16
Oct 11	0.23	0.25	0.19	S	0.22	0.2	0.19	0.15	0.18	0.25	0.27	0.19	0.16	0.14	0.14	0.14	0.14	0.14	0.15	0.23	0.34	0.25	0.3	0.3	0.14	0.34	0.21
Oct 12	0.27	0.25	S	0.28	0.31	0.28	0.32	0.35	0.24	1.1	0.35	0.2	0.15	0.14	0.13	0.12	0.1	0.11	0.1	0.1	0.14	1.07	0.17	0.12	0.10	1.10	0.28
Oct 13	0.13	S	0.21	0.15	0.16	0.17	0.17	0.19	0.22	0.2	0.18	0.17	0.15	0.15	0.17	0.16	0.2	0.2	0.37	0.61	0.46	0.3	0.27	0.23	0.13	0.61	0.23
Oct 14	S	0.54	1.65	**1.67**	1.11	0.29	0.24	0.23	0.31	0.39	0.48	0.26	0.32	0.23	0.25	0.28	0.2	0.17	0.21	0.2	0.2	0.21	0.2	S	0.17	**1.67**	**0.44**
Oct 15	0.25	0.21	0.2	0.19	0.21	0.21	0.22	0.25	0.27	0.19	0.19	0.18	0.19	0.18	0.17	0.16	0.16	0.18	0.24	0.31	0.29	0.61	S	0.41	0.16	0.61	0.24
Oct 16	0.38	0.26	0.26	0.25	0.26	0.22	0.17	0.15	0.17	0.36	0.85	0.45	0.27	0.2	0.19	0.17	0.2	0.2	0.24	0.3	0.32	S	0.24	0.2	0.15	0.85	0.27
Oct 17	0.18	0.16	0.15	0.15	0.2	0.18	0.16	0.17	0.16	0.17	0.19	0.2	0.17	0.19	0.2	0.2	0.21	0.24	0.23	0.25	S	0.29	0.25	0.27	0.15	0.29	0.20
Oct 18	0.26	0.24	0.25	0.27	0.22	0.25	0.22	0.22	0.21	0.23	0.25	0.25	0.23	0.22	0.22	0.23	0.26	1.11	0.39	S	0.56	0.38	0.19	0.2	0.19	1.11	0.30
Oct 19	0.21	0.19	0.33	0.23	0.24	0.23	0.22	0.2	0.2	0.28	0.26	0.24	0.22	0.21	0.2	0.24	0.48	0.17	S	0.18	0.14	0.14	0.12	0.12	0.12	0.48	0.22
Oct 20	0.13	0.14	0.13	0.13	0.14	0.16	0.23	0.22	0.22	0.2	0.17	0.17	0.16	0.16	0.16	0.15	0.15	S	0.2	0.17	0.16	0.15	0.15	0.14	0.13	0.23	0.16
Oct 21	0.14	0.14	0.14	0.12	0.11	0.11	0.12	0.13	0.12	0.11	0.1	0.1	0.1	0.11	0.1	0.09	S	0.15	0.13	0.14	0.13	0.11	0.12	0.12	0.09	0.15	0.12
Oct 22	0.11	0.1	0.11	0.13	0.13	0.14	0.2	0.24	0.2	0.18	0.18	0.14	0.13	0.14	0.13	S	0.19	0.15	0.16	0.16	0.17	0.17	0.16	0.17	0.10	0.24	0.16
Oct 23	0.18	0.18	0.18	0.16	0.18	0.19	0.17	0.16	0.17	0.14	0.15	0.15	0.17	0.17	S	0.21	0.17	0.16	0.17	0.17	0.15	0.16	0.15	0.15	0.14	0.21	0.17
Oct 24	0.13	0.15	0.17	0.17	0.17	0.16	0.12	0.12	0.15	0.14	0.14	0.13	0.14	S	0.19	0.16	0.17	0.17	0.16	0.16	0.19	0.17	0.2	0.19	0.12	0.20	0.16
Oct 25	0.17	0.17	0.17	0.16	0.15	0.15	0.16	0.16	0.19	0.19	0.19	0.19	S	0.25	0.22	0.18	0.2	0.2	0.32	0.44	0.41	0.22	0.17	0.24	0.15	0.44	0.21
Oct 26	0.19	0.17	0.15	0.15	0.15	0.14	0.16	0.16	0.15	0.17	0.17	S	0.24	0.2	0.19	0.19	0.22	0.21	0.24	0.19	0.2	0.29	0.48	0.84	0.14	0.84	0.23
Oct 27	0.33	0.37	0.24	0.29	0.21	0.24	0.21	0.19	0.22	0.21	S	0.3	0.24	0.23	0.23	0.21	0.21	0.24	0.3	0.3	0.19	0.17	0.17	0.16	0.16	0.37	0.24
Oct 28	0.16	0.14	0.17	0.15	0.16	0.16	0.17	0.17	0.23	S	0.21	0.18	0.19	0.18	0.18	0.19	0.41	0.21	0.2	0.2	0.18	0.16	0.16	0.16	0.14	0.41	0.19
Oct 29	0.17	0.18	0.18	0.21	0.21	0.2	0.54	0.32	S	0.26	0.24	0.21	0.2	0.2	0.21	0.2	0.21	0.23	0.29	0.32	0.24	0.24	0.29	0.31	0.17	0.54	0.25
Oct 30	0.27	0.19	0.18	0.26	0.23	0.23	0.24	S	0.19	0.16	0.16	0.15	0.15	0.14	0.13	0.13	0.13	0.14	0.13	0.16	0.16	0.16	0.18	0.17	0.13	0.27	0.18
Oct 31	0.19	0.19	0.22	0.18	0.18	0.17	S	0.23	0.19	0.17	0.17	0.14	0.15	0.15	0.15	0.16	0.21	0.16	0.17	0.18	0.21	0.27	0.29	0.21	0.14	0.29	0.19
Diurnal Maximum	0.38	0.54	1.65	1.67	1.11	0.54	1.18	0.35	0.49	1.10	0.85	0.45	0.32	0.28	0.25	0.28	0.48	1.11	0.39	0.61	0.56	1.07	0.51	0.84			
Diurnal Average	0.20	0.21	0.26	0.29	0.26	0.23	0.26	0.21	0.21	0.25	0.24	0.21	0.19	0.18	0.18	0.18	0.20	0.21	0.22	0.23	0.23	0.27	0.22	0.23			

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 - October 2024

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

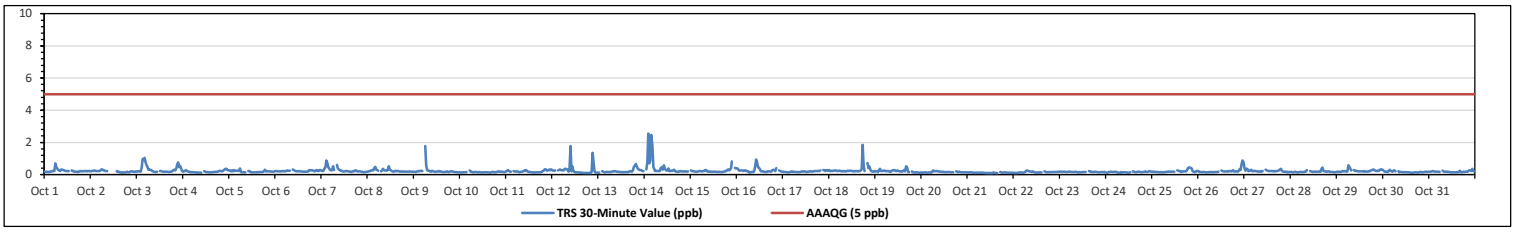
Maximum 30-Minute Value:	2.56 ppb	on Oct 14 at 02:00	# of Instrument in Service	1488
Maximum Daily Value:	0.44 ppb	on Oct 14	# of Valid Measurements	1417
Minimum 30-Minute Value:	0.08 ppb	Oct 21 at 15:30	# of Missing Measurements:	0
Minimum Daily Value:	0.12 ppb	on Oct 21	# of Calibration:	71
Monthly Average:	0.22 ppb		Operational Uptime:	100.0

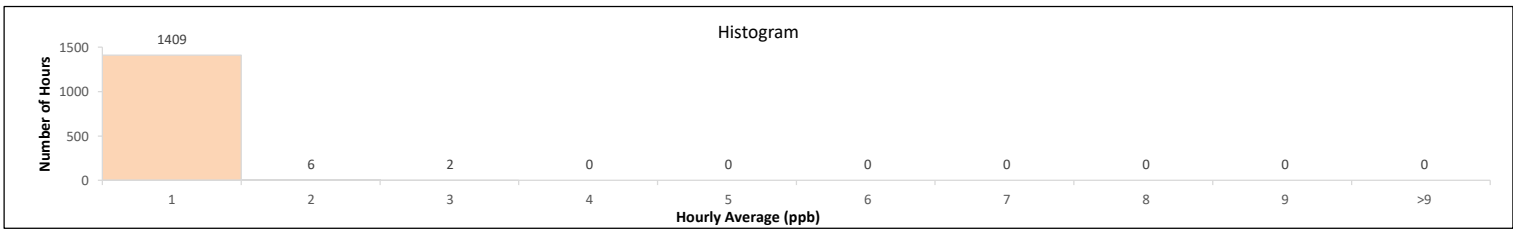
30-Minute Period Starting at (MST)	Oct 1	Oct 2	Oct 3	Oct 4	Oct 5	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12	Oct 13	Oct 14	Oct 15	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29	Oct 30	Oct 31	Diurnal Maximum	Diurnal Average
00:00	0.18	0.2	0.19	0.19	0.26	0.23	0.25	0.19	0.17	0.14	0.21	0.29	0.12	S	0.27	0.4	0.19	0.28	0.22	0.14	0.15	0.1	0.18	0.13	0.17	0.22	0.41	0.16	0.16	0.3	0.19	0.41	0.21
00:30	0.17	0.22	0.21	0.21	0.26	0.23	0.23	0.21	0.18	0.13	0.25	0.25	0.13	S	0.24	0.35	0.17	0.24	0.2	0.12	0.13	0.11	0.18	0.13	0.18	0.17	0.25	0.16	0.18	0.23	0.19	0.35	0.20
01:00	0.19	0.25	0.21	0.23	0.2	0.21	0.25	0.22	0.17	0.14	0.28	0.25	S	0.32	0.22	0.27	0.17	0.22	0.2	0.13	0.14	0.1	0.19	0.13	0.18	0.17	0.37	0.15	0.17	0.19	0.18	0.37	0.20
01:30	0.16	0.24	0.21	0.3	0.26	0.21	0.39	0.23	0.19	0.15	0.23	0.26	S	0.76	0.2	0.25	0.16	0.25	0.17	0.15	0.14	0.11	0.16	0.16	0.16	0.17	0.37	0.14	0.18	0.19	0.21	0.76	0.23
02:00	0.16	0.26	0.18	0.24	0.2	0.21	0.44	0.27	0.2	0.14	0.19	S	0.23	2.56	0.21	0.27	0.15	0.24	0.3	0.13	0.15	0.11	0.18	0.16	0.17	0.15	0.23	0.16	0.17	0.18	0.23	2.56	0.28
02:30	0.17	0.23	0.46	0.2	0.28	0.2	0.88	0.3	0.21	0.14	0.19	S	0.19	0.69	0.19	0.26	0.15	0.25	0.37	0.14	0.13	0.13	0.18	0.19	0.17	0.16	0.24	0.18	0.19	0.17	0.21	0.88	0.25
03:00	0.18	0.23	0.99	0.18	0.24	0.2	0.72	0.26	0.22	0.15	S	0.27	0.15	0.86	0.19	0.25	0.15	0.27	0.24	0.13	0.12	0.14	0.16	0.18	0.17	0.16	0.27	0.15	0.22	0.22	0.18	0.99	0.26
03:30	0.19	0.23	0.95	0.17	0.25	0.22	0.46	0.41	0.22	0.16	S	0.3	0.15	2.48	0.19	0.24	0.15	0.27	0.22	0.13	0.13	0.13	0.17	0.16	0.14	0.15	0.31	0.14	0.21	0.31	0.18	2.48	0.31
04:00	0.22	0.24	1.03	0.16	0.25	0.21	0.38	0.49	0.25	S	0.23	0.33	0.16	1.76	0.21	0.26	0.18	0.22	0.22	0.14	0.11	0.14	0.17	0.17	0.14	0.15	0.22	0.15	0.22	0.25	0.18	1.76	0.29
04:30	0.24	0.24	0.75	0.15	0.25	0.22	0.29	0.31	0.22	S	0.21	0.28	0.16	0.47	0.22	0.26	0.21	0.22	0.26	0.13	0.12	0.13	0.19	0.18	0.16	0.15	0.2	0.17	0.2	0.21	0.18	0.75	0.23
05:00	0.24	0.25	0.6	0.17	0.24	0.21	0.26	0.28	S	0.26	0.19	0.27	0.17	0.34	0.22	0.23	0.17	0.25	0.25	0.12	0.12	0.13	0.19	0.16	0.15	0.14	0.25	0.16	0.19	0.19	0.18	0.60	0.22
05:30	0.71	0.32	0.48	0.15	0.38	0.22	0.29	0.25	S	0.18	0.21	0.28	0.17	0.24	0.21	0.2	0.18	0.25	0.21	0.19	0.1	0.15	0.19	0.16	0.14	0.14	0.24	0.16	0.21	0.27	0.17	0.71	0.24
06:00	0.49	0.32	0.31	0.14	0.18	0.26	0.53	S	1.79	0.18	0.21	0.27	0.17	0.25	0.21	0.21	0.16	0.23	0.22	0.26	0.13	0.16	0.17	0.12	0.15	0.16	0.22	0.17	0.59	0.27	S	1.79	0.29
06:30	0.38	0.27	0.33	0.15	0.14	0.25	0.29	S	0.56	0.15	0.17	0.36	0.17	0.24	0.22	0.13	0.17	0.21	0.23	0.2	0.12	0.25	0.16	0.13	0.16	0.16	0.2	0.16	0.49	0.21	S	0.56	0.23
07:00	0.29	0.27	0.3	0.13	0.14	0.25	S	0.21	0.28	0.14	0.15	0.35	0.18	0.24	0.22	0.15	0.17	0.22	0.22	0.22	0.13	0.27	0.16	0.1	0.16	0.15	0.18	0.16	0.37	S	0.25	0.37	0.21
07:30	0.26	0.22	0.29	0.14	0.17	0.25	S	0.27	0.25	0.16	0.16	0.34	0.2	0.23	0.28	0.16	0.16	0.21	0.19	0.22	0.13	0.22	0.17	0.13	0.16	0.16	0.2	0.18	0.27	S	0.21	0.34	0.21
08:00	0.24	0.22	0.23	0.13	0.15	S	0.61	0.37	0.25	0.16	0.19	0.29	0.21	0.23	0.3	0.17	0.15	0.22	0.17	0.23	0.13	0.2	0.17	0.16	0.18	0.15	0.19	0.18	S	0.23	0.19	0.61	0.22
08:30	0.31	0.24	0.21	0.13	0.15	S	0.38	0.26	0.21	0.16	0.18	0.19	0.22	0.4	0.23	0.17	0.17	0.21	0.22	0.21	0.11	0.2	0.18	0.13	0.19	0.16	0.24	0.28	S	0.15	0.18	0.40	0.21
09:00	0.33	C	0.16	0.12	S	0.33	0.32	0.26	0.19	0.15	0.23	0.41	0.2	0.47	0.19	0.22	0.16	0.21	0.26	0.21	0.11	0.19	0.15	0.14	0.19	0.17	0.19	S	0.28	0.16	0.18	0.47	0.22
09:30	0.28	C	0.17	0.13	S	0.28	0.27	0.27	0.25	0.15	0.27	1.78	0.19	0.31	0.2	0.51	0.18	0.25	0.3	0.19	0.11	0.17	0.13	0.15	0.18	0.17	0.22	S	0.24	0.16	0.17	1.78	0.27
10:00	0.28	C	0.17	S	0.23	0.27	0.28	0.25	0.21	0.16	0.24	0.2	0.19	0.59	0.19	0.94	0.2	0.25	0.28	0.18	0.11	0.2	0.16	0.14	0.18	0.16	S	0.22	0.25	0.16	0.18	0.94	0.25
10:30	0.25	C	0.19	S	0.22	0.24	0.22	0.3	0.18	0.15	0.29	0.5	0.18	0.37	0.18	0.75	0.19	0.24	0.24	0.16	0.09	0.16	0.14	0.14	0.19	0.18	S	0.2	0.22	0.15	0.17	0.75	0.23
11:00	0.23	C	S	0.22	0.16	0.21	0.2	0.52	0.19	0.15	0.22	0.24	0.17	0.28	0.19	0.46	0.2	0.25	0.23	0.18	0.1	0.15	0.15	0.13	0.19	S	0.31	0.19	0.21	0.14	0.15	0.52	0.22
11:30	0.23	C	S	0.18	0.14	0.22	0.18	0.32	0.18	0.13	0.17	0.17	0.17	0.25	0.18	0.43	0.2	0.25	0.26	0.16	0.1	0.13	0.15	0.13	0.18	S	0.28	0.17	0.21	0.16	0.14	0.43	0.20
12:00	0.24	C	0.24	0.16	0.15	0.21	0.2	0.29	0.18	0.14	0.17	0.15	0.16	0.26	0.19	0.33	0.17	0.24	0.24	0.17	0.09	0.13	0.17	0.13	S	0.26	0.25	0.19	0.21	0.15	0.15	0.33	0.19
12:30	0.22	C	0.22	0.16	0.14	0.21	0.22	0.22	0.2	0.15	0.16	0.15	0.15	0.38	0.18	0.2	0.17	0.21	0.21	0.15	0.1	0.14	0.16	0.15	S	0.22	0.23	0.19	0.2	0.15	0.15	0.38	0.19
13:00	S	C	0.2	0.15	0.15	0.21	0.22	0.2	0.23	0.14	0.15	0.15	0.16	0.24	0.18	0.21	0.18	0.23	0.2	0.16	0.09	0.13	0.17	S	0.26	0.2	0.22	0.18	0.21	0.14	0.14	0.26	0.18
13:30	S	0.22	0.19	0.14	0.14	0.2	0.2	0.19	0.19	0.15	0.14	0.13	0.15	0.22	0.17	0.2	0.19	0.21	0.21	0.16	0.14	0.15	0.16	S	0.25	0.21	0.23	0.18	0.2	0.14	0.15	0.25	0.18
14:00	0.27	0.16	0.19	0.14	0.14	0.18	0.2	0.2	0.2	0.15	0.14	0.14	0.17	0.25	0.16	0.18	0.2	0.22	0.19	0.16	0.1	0.13	S	0.21	0.23	0.18	0.23	0.18	0.19	0.13	0.15	0.27	0.18
14:30	0.23	0.18	0.19	0.14	0.15	0.19	0.21	0.25	0.19	0.15	0.13	0.13	0.16	0.24	0.18	0.19	0.21	0.22	0.22	0.16	0.11	0.14	S	0.18	0.22	0.2	0.22	0.18	0.22	0.13	0.14	0.25	0.18
15:00	0.23	0.15	0.18	0.14	0.16	0.18	0.17	0.21	0.16	0.14	0.14	0.12	0.15	0.26	0.16	0.17	0.19	0.21	0.28	0.15	0.1	S	0.23	0.16	0.17	0.2	0.2	0.18	0.2	0.13	0.16	0.28	0.18
15:30	0.18	0.14	0.19	0.15	0.15	0.19	0.17	0.22	0.17	0.13	0.14	0.12	0.17	0.31	0.17	0.17	0.2	0.24	0.2	0.15	0.08	S	0.2	0.15	0.18	0.19	0.22	0.19	0.19	0.13	0.15	0.31	0.17
16:00	0.19	0.12	0.18	0.16	0.16	0.19	0.2	0.23	0.17	0.13	0.14	0.1	0.2	0.21	0.16	0.2	0.2	0.24	0.53	0.15	S	0.21	0.17	0.16	0.2	0.22	0.2	0.36	0.19	0.12	0.25	0.53	0.20
16:30	0.19	0.14	0.17	0.16	0.17	0.19	0.2	0.2	0.17	0.16	0.14	0.1	0.2	0.19	0.17	0.21	0.23	0.29	0.43	0.15	S	0.18	0.18	0.18	0.2	0.23	0.22	0.45	0.23	0.14	0.16	0.45	0.20
17:00	0.18	0.12	0.17	0.19	0.17	0.2	0.21	0.19	0.2	0.16	0.14	0.1	0.2	0.18	0.18	0.21	0.24	0.37	0.16	S	0.16	0.15	0.16	0.18	0.2	0.21	0.23	0.23	0.21	0.14	0.15	0.37	0.19
17:30	0.17	0.14	0.18	0.17	0.17	0.3	0.26	0.2	0.18	0.16	0.14	0.11	0.19	0.17	0.18	0.18	0.24	1.85	0.17	S	0.14	0.15	0.16	0.17	0.2	0.21	0.25	0.2	0.25	0.15	0.16	1.85	0.24
18:00	0.2	0.12	0.19	0.19	0.22	0.27	0.27	0.19	0.16	0.15	0.15	0.1	0.26	0.2	0.24	0.2	0.23	0.54	S	0.21	0.13	0.15	0.16	0.17	0.26	0.29	0.26	0.2	0.3	0.13	0.18	0.54	0.21
18:30	0.22	0.15	0.24	0.2	0.31	0.3	0.21	0.18	0.17	0.15	0.16	0.11	0.48	0.23	0.24	0.28	0.22	0.23	S	0.19	0.13	0.16	0.18	0.15	0.39	0.2	0.33	0.19	0.29	0.13	0.16	0.48	0.22
19:00	0.21	0.19	0.3	0.25	0.21	0.27	0.21	0.2	0.21	0.16	0.22	0.1	0.55	0.2	0.28	0.31	0.24	S	0.2	0.15	0.14	0.17	0.17	0.16	0.44	0.18	0.35	0.19	0.33	0.16	0.18	0.55	0.23
19:30	0.22	0.14	0.31	0.23	0.22	0.26	0.21	0.19	0.2	0.19	0.25	0.1	0.66	0.2	0.33	0.29	0.27	S	0.15	0.18	0.14	0.15	0.17	0.16	0.45	0.2	0.25	0.2	0.3	0.16	0.19	0.66	0.23
20:00	0.2	0.14	0.26	0.23	0.2	0.23	0.2	0.18	0.2	0.2	0.33	0.09	0.53	0.2	0.26	0.24	S	0.72	0.15	0.17	0.13	0.17	0.15	0.16	0.42	0.21	0.19	0.2	0.25	0.16	0.18	0.72	0.23
20:30	0.22	0.18	0.38	0.2	0.2	0.21	0.19	0.19	0.18	0.19	0.34	0.19	0.39	0.19	0.32	0.4	S	0.4	0.14	0.15	0.12	0.17	0.14	0.21	0.39	0.18	0.18	0.17	0.23	0.15	0.25	0.40	0.23
21:00	0.23	0.2	0.65	0.27	0.21	0.26	0.18	0.18	0.16	0.18	0.26	1.36	0.33	0.21	0.41	S	0.3	0.51	0.13	0.15	0.12	0.17	0.15	0.17	0.24	0.24	0.18	0.16	0.25	0.15	0.27	1.36	0.28
21:30	0.22	0.21	0.76	0.29	0.2	0.28	0.16	0.19	0.17	0.18	0.25	0.78	0.28	0.2	0.82	S	0.28	0.26	0.15	0.15	0.11	0.16	0.17	0.17	0.19	0.34	0.17	0.16	0.24	0.17	0.27	0.82	0.27
22:00	0.21	0.19	0.47	0.36	0.19	0.24	0.15	0.2	0.16	0.18	0.28	0.21	0.28	0.18	S	0.26	0.24	0.2	0.14	0.14	0.13	0.16	0.17	0.19	0.17	0.28	0.18	0.17	0.25	0.18	0.22	0.47	0.21
22:30	0.22	0.18	0.54	0.36	0.18	0.23	0.17	0.19	0.15	0.17	0.32	0.12	0.26	0.21	S	0.22	0.26	0.18	0.11	0.15	0.11	0.17	0.14	0.22	0.17	0.67	0.15	0.15	0.32	0.18	0.36	0.67	0.23
23:00	0.23	0.19	0.4	0.29	0.19	0.29	0.17	0.19	0.14	0.17	0.26	0.12	0.23	S	0.43	0.21	0.29	0.2	0.13	0.15	0.13	0.18	0.16	0.2	0.24	0.89	0.16	0.15	0.31	0.17	0.22	0.89	0.24
23:30	0.23	0.2	0.23	0.26	0.2	0.3	0.18	0.18	0.15	0.16	0.33	0.12	0.23	S	0.38	0.19	0.25	0.19	0.11	0.14	0.12	0.17	0.14	0.18	0.24	0.79	0.16	0.16	0.32	0.16	0.2	0.79	0.22
Minimum	0.16	0.12	0.16	0.12	0.14	0.18	0.15	0.18	0.14	0.13	0.13	0.09	0.12	0.17	0.16	0.13	0.15	0.18	0.11	0.12	0.08	0.1	0.13	0.1	0.14	0.14	0.15	0.14	0.16	0.12	0.14		
Maximum	0.71	0.32	1.03	0.36	0.38	0.33	0.88	0.52	1.79	0.26	0.34	1.78	0.66	2.56	0.82	0.94	0.3	1.85	0.53	0.26	0.16	0.27	0.23	0.22	0.45	0.89	0.41	0.45	0.59	0.31	0.36		
Average	0.24	0.2	0.34	0.19	0.2	0.23	0.28	0.25	0.24	0.16	0.21	0.28	0.23	0.44	0.24	0.27	0.2	0.3	0.22	0.16	0.12	0.16	0.17	0.16	0.21	0.23	0.24	0.19	0.25	0.18	0.19		

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



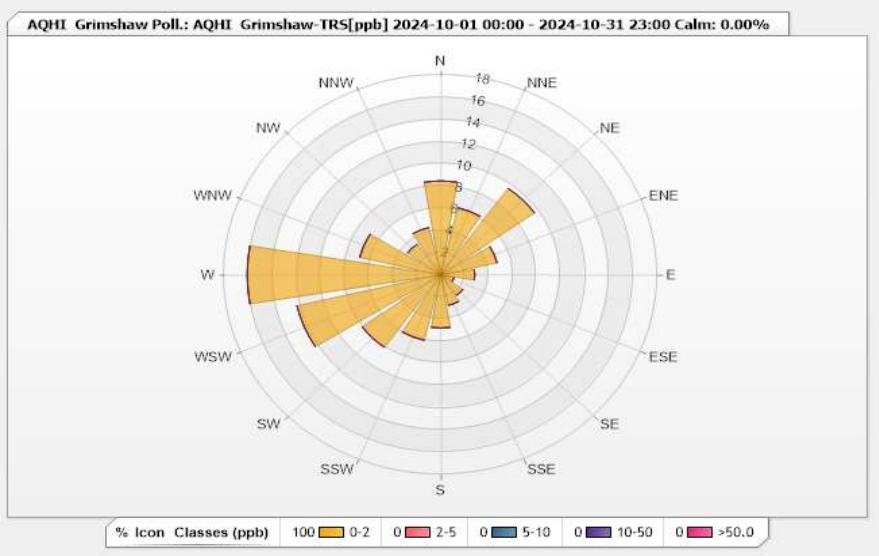


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 10-2024

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

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	8.46	0	0	0	0	8.46
NNE	6.21	0	0	0	0	6.21
NE	9.59	0	0	0	0	9.59
ENE	4.8	0	0	0	0	4.8
E	2.82	0	0	0	0	2.82
ESE	1.13	0	0	0	0	1.13
SE	2.26	0	0	0	0	2.26
SSE	2.82	0	0	0	0	2.82
S	4.8	0	0	0	0	4.8
SSW	6.06	0	0	0	0	6.06
SW	8.04	0	0	0	0	8.04
WSW	12.27	0	0	0	0	12.27
W	16.08	0	0	0	0	16.08
WNW	6.91	0	0	0	0	6.91
NW	3.39	0	0	0	0	3.39
NNW	4.37	0	0	0	0	4.37
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

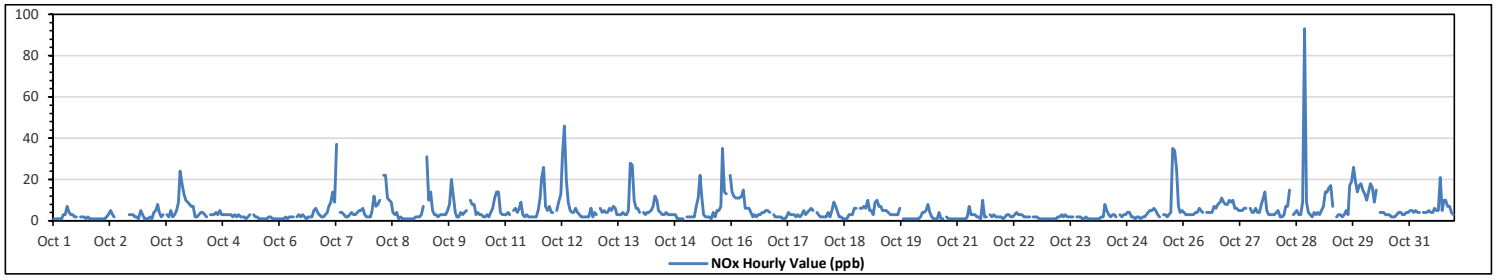
OXIDES OF NITROGEN (NOx) in ppb

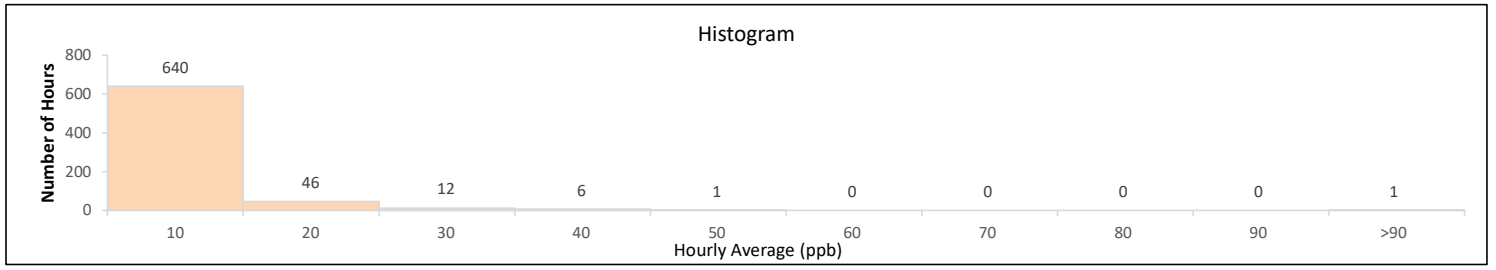
Maximum Hourly Value:	93	ppb	on Oct 28 at hr 16	Hours in Service:	744
Maximum Daily Value:	10.8	ppb	on Oct 29	Hours of Data:	706
Minimum Hourly Value:	1	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	1.7	ppb	on Oct 23	Hours of Calibration:	38
Monthly Average:	5.0	ppb		Operational 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			
Oct 1	1	1	1	1	1	3	3	7	4	3	3	2	2	S	2	2	2	1	2	1	1	1	1	1	1	7	2.0
Oct 2	1	1	1	1	2	3	5	3	2	C	C	C	C	C	C	C	3	3	3	2	2	1	5	3	1	5	NA
Oct 3	1	1	1	2	1	4	5	8	4	2	3	S	3	2	5	2	3	5	9	24	18	13	10	9	1	24	5.9
Oct 4	8	7	7	2	2	3	4	4	3	2	S	3	3	3	4	3	5	3	3	3	3	3	3	2	2	8	3.6
Oct 5	3	2	3	2	2	2	1	2	3	S	3	2	2	1	1	1	1	1	2	2	1	1	1	1	1	3	1.7
Oct 6	1	1	1	2	1	2	2	2	S	2	3	2	3	2	1	2	2	2	5	6	4	3	2	2	1	6	2.3
Oct 7	3	4	7	9	14	9	37	S	4	4	3	2	2	3	4	3	3	4	5	5	6	3	2	2	2	37	6.0
Oct 8	2	5	12	7	8	10	S	22	22	11	10	9	4	3	4	1	2	1	1	1	1	1	1	1	1	22	6.0
Oct 9	2	2	2	3	7	S	31	10	14	5	3	3	2	3	3	3	3	5	8	20	12	4	2	2	2	31	6.5
Oct 10	4	3	4	5	S	10	8	8	3	4	3	3	2	2	3	2	4	6	11	14	14	4	3	3	2	14	5.3
Oct 11	3	4	3	S	5	6	4	6	9	3	2	3	2	2	2	2	2	5	11	21	26	7	5	7	2	26	6.1
Oct 12	4	4	S	5	9	13	32	46	20	9	5	4	4	6	4	3	2	2	2	2	2	6	2	4	2	46	8.3
Oct 13	3	S	6	4	5	4	4	6	5	7	6	3	3	3	4	3	3	5	28	27	10	6	6	4	3	28	6.7
Oct 14	S	4	3	4	4	5	7	12	10	5	4	3	3	4	3	3	3	3	3	1	1	1	1	S	1	12	4.0
Oct 15	2	2	2	2	2	7	11	22	12	3	2	2	2	1	4	2	5	5	7	35	14	13	S	22	1	35	7.8
Oct 16	14	12	11	11	11	12	15	6	6	6	4	2	3	2	3	3	4	4	5	5	4	S	3	2	2	15	6.4
Oct 17	2	2	2	1	1	2	4	3	3	3	2	3	2	3	5	3	4	5	6	5	S	4	3	2	1	6	3.0
Oct 18	2	2	2	4	2	5	9	7	4	2	2	1	1	1	3	3	3	6	6	S	6	6	7	6	1	9	3.9
Oct 19	10	5	5	3	9	10	7	7	5	5	5	4	3	3	3	3	3	6	S	1	1	1	1	1	1	10	4.4
Oct 20	1	1	1	1	2	4	4	5	8	4	2	1	1	1	4	1	1	S	2	1	1	1	1	1	1	8	2.1
Oct 21	1	1	1	1	1	2	7	3	3	3	2	2	1	10	2	2	S	3	2	3	2	2	2	2	1	10	2.5
Oct 22	1	2	3	3	2	2	3	4	3	3	3	2	2	2	2	S	2	2	2	1	1	1	1	1	1	4	2.1
Oct 23	1	1	1	1	1	2	2	3	2	3	2	2	2	2	S	2	2	2	1	1	2	1	1	1	1	3	1.7
Oct 24	1	1	1	1	2	2	8	5	3	2	3	3	2	S	3	2	3	3	4	4	2	2	1	2	1	8	2.6
Oct 25	2	1	2	2	3	4	5	5	6	5	3	2	S	3	3	2	3	4	35	34	25	7	4	5	1	35	7.2
Oct 26	4	3	3	3	3	3	4	4	6	5	4	S	4	4	4	4	7	6	8	9	11	9	8	8	3	11	5.4
Oct 27	10	9	10	6	6	5	5	5	6	6	S	6	4	4	6	4	4	8	11	14	5	3	3	3	3	14	6.2
Oct 28	3	4	5	2	2	3	7	7	15	S	3	4	5	3	3	9	93	9	4	3	2	4	3	4	2	93	8.6
Oct 29	3	5	7	14	14	16	17	7	S	2	3	3	2	3	5	3	17	19	26	19	14	17	18	15	2	26	10.8
Oct 30	13	10	14	18	16	9	15	S	4	4	4	3	3	3	2	2	2	3	4	4	3	3	4	4	2	18	6.4
Oct 31	5	5	4	5	4	4	S	4	4	4	5	4	4	6	5	5	21	5	10	10	7	7	4	3	3	21	5.9
Diurnal Maximum	14	12	14	18	16	16	37	46	22	11	10	9	5	10	6	9	93	19	35	35	26	17	18	22			
Diurnal Average	3.7	3.5	4.2	4.2	4.7	5.5	9.2	8.0	6.7	4.2	3.5	3.0	2.6	3.0	3.3	2.8	7.1	4.5	7.5	9.3	6.7	4.5	3.6	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.



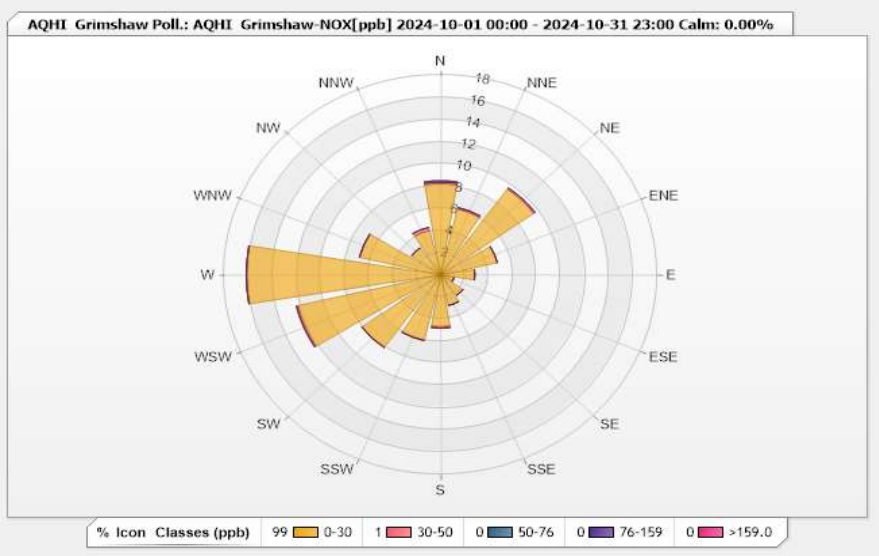


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 10-2024

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

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

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	8.22	0.14	0	0.14	0	8.5
NNE	6.09	0.14	0	0	0	6.23
NE	9.49	0.14	0	0	0	9.63
ENE	4.82	0	0	0	0	4.82
E	2.83	0	0	0	0	2.83
ESE	1.13	0	0	0	0	1.13
SE	2.27	0	0	0	0	2.27
SSE	2.83	0	0	0	0	2.83
S	4.67	0.14	0	0	0	4.81
SSW	6.09	0	0	0	0	6.09
SW	8.07	0	0	0	0	8.07
WSW	12.18	0.14	0	0	0	12.32
W	16.15	0	0	0	0	16.15
WNW	6.94	0	0	0	0	6.94
NW	2.97	0	0	0	0	2.97
NNW	4.11	0.28	0	0	0	4.39
Summary	98.86	0.98	0	0.14	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

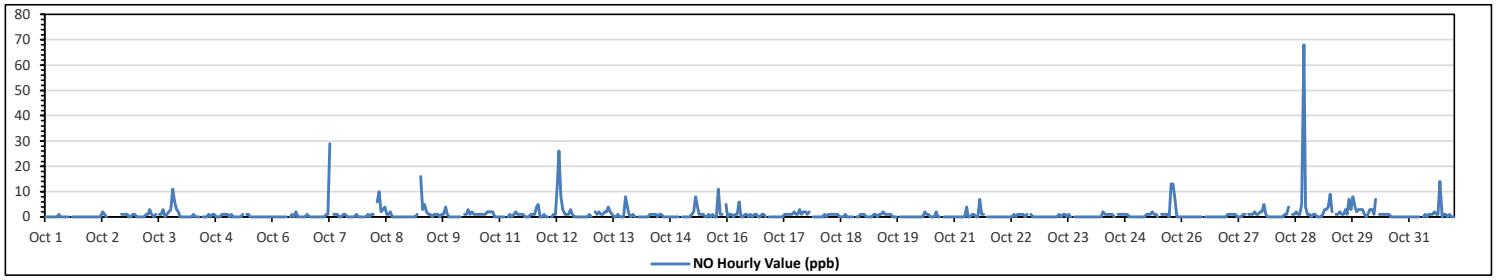
NITRIC OXIDE (NO) in ppb

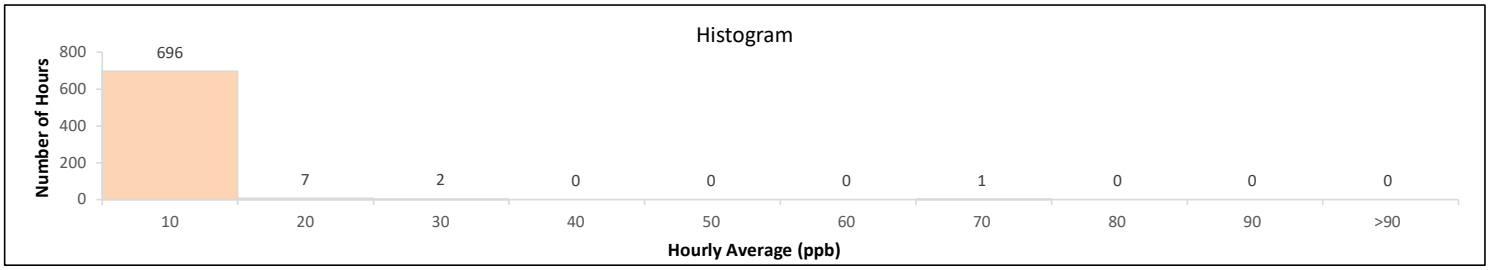
Maximum Hourly Value:	68	ppb	on Oct 28 at hr 16	Hours in Service:	744
Maximum Daily Value:	4.0	ppb	on Oct 28	Hours of Data:	706
Minimum Hourly Value:	0	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Oct 26	Hours of Calibration:	38
Monthly Average:	1.0	ppb		Operational Uptime:	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			
Oct 1	0	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Oct 2	0	0	0	0	0	0	2	1	0	C	C	C	C	C	C	C	1	1	1	1	0	0	1	1	0	2	NA
Oct 3	0	0	0	0	0	1	1	3	1	0	1	S	1	1	3	0	1	2	3	11	6	3	2	0	0	11	1.7
Oct 4	0	0	0	0	0	0	1	0	0	0	S	0	0	0	1	0	1	1	0	0	0	1	1	1	0	1	0.3
Oct 5	1	0	1	0	0	0	0	0	1	S	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Oct 6	0	0	0	0	0	0	0	0	S	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	2	0.2
Oct 7	0	0	0	0	1	1	29	S	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0	29	1.6
Oct 8	0	0	1	0	1	1	S	6	10	2	3	4	1	1	2	0	0	0	0	0	0	0	0	0	0	10	1.4
Oct 9	0	0	0	0	1	S	16	3	5	2	1	1	0	1	1	1	0	1	1	4	1	0	0	0	0	16	1.7
Oct 10	0	0	0	0	S	1	1	3	1	2	1	1	1	1	1	1	1	2	2	2	2	0	0	0	0	3	1.0
Oct 11	0	0	0	S	0	1	0	1	2	1	1	1	1	0	0	0	1	1	1	4	5	0	0	1	0	5	0.9
Oct 12	0	0	S	0	1	1	13	26	8	3	1	1	1	3	1	0	0	0	0	0	0	0	0	1	0	26	2.6
Oct 13	0	S	2	1	2	1	1	2	2	4	2	1	0	0	1	0	0	0	8	4	1	0	1	0	0	8	1.4
Oct 14	S	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	S	0	1	0.3
Oct 15	0	0	0	0	0	1	2	8	4	1	1	1	0	0	1	0	1	0	0	11	1	1	S	5	0	11	1.7
Oct 16	0	1	1	0	1	1	6	0	0	1	1	0	1	0	1	1	0	0	1	1	0	S	0	0	0	6	0.7
Oct 17	0	0	0	0	0	0	1	1	1	1	1	2	1	1	3	1	2	2	1	2	S	0	0	0	0	3	0.9
Oct 18	0	0	0	1	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	S	0	0	1	1	0	1	0.4
Oct 19	1	0	0	0	0	1	1	0	1	1	2	1	1	1	1	0	0	0	S	0	0	0	0	0	0	2	0.5
Oct 20	0	0	0	0	0	0	0	0	2	1	1	0	0	0	2	0	0	S	0	0	0	0	0	0	0	2	0.3
Oct 21	0	0	0	0	0	0	4	0	0	1	1	0	0	7	1	1	S	0	0	0	0	0	0	0	0	7	0.7
Oct 22	0	0	0	0	0	0	0	1	0	1	1	1	1	0	1	S	1	0	0	0	0	0	0	0	0	1	0.3
Oct 23	0	0	0	0	0	0	0	1	0	1	1	0	1	0	S	0	0	0	0	0	0	0	0	0	0	1	0.2
Oct 24	0	0	0	0	0	0	2	1	1	1	1	1	0	S	1	1	1	1	1	1	0	0	0	0	0	2	0.6
Oct 25	0	0	0	0	0	1	1	1	2	1	1	0	S	1	1	1	1	0	13	13	7	0	0	0	0	13	1.9
Oct 26	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
Oct 27	1	1	1	1	1	0	0	0	1	1	S	1	1	1	2	1	1	2	2	5	1	0	0	0	0	5	1.0
Oct 28	0	0	0	0	0	0	1	1	4	S	1	1	2	1	1	5	68	4	1	1	0	1	1	0	0	68	4.0
Oct 29	0	0	1	3	3	4	9	2	S	1	1	2	1	1	3	1	7	3	8	4	2	3	3	3	0	9	2.8
Oct 30	1	0	1	3	3	1	7	S	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	7	1.0
Oct 31	0	0	0	0	0	0	S	0	1	0	1	1	1	2	1	1	14	0	1	1	0	1	0	0	0	14	1.1
Diurnal Maximum	1	1	2	3	3	4	29	26	10	4	3	4	2	7	3	5	68	4	13	13	7	3	3	5			
Diurnal Average	0.1	0.1	0.3	0.3	0.5	0.6	3.4	2.2	1.8	1.1	1.1	0.8	0.7	0.9	1.1	0.5	3.4	0.7	1.5	2.2	0.9	0.3	0.3	0.4			

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

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



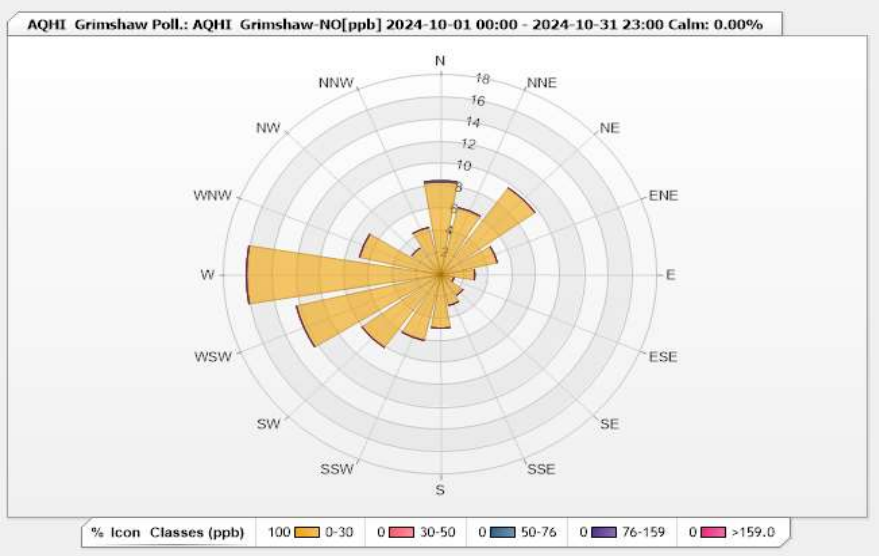


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 10-2024

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

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

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	8.36	0	0.14	0	0	8.5
NNE	6.23	0	0	0	0	6.23
NE	9.63	0	0	0	0	9.63
ENE	4.82	0	0	0	0	4.82
E	2.83	0	0	0	0	2.83
ESE	1.13	0	0	0	0	1.13
SE	2.27	0	0	0	0	2.27
SSE	2.83	0	0	0	0	2.83
S	4.82	0	0	0	0	4.82
SSW	6.09	0	0	0	0	6.09
SW	8.07	0	0	0	0	8.07
WSW	12.32	0	0	0	0	12.32
W	16.15	0	0	0	0	16.15
WNW	6.94	0	0	0	0	6.94
NW	2.97	0	0	0	0	2.97
NNW	4.39	0	0	0	0	4.39
Summary	100	0	0.14	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

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

Number of 1-Hour Exceedances: 0

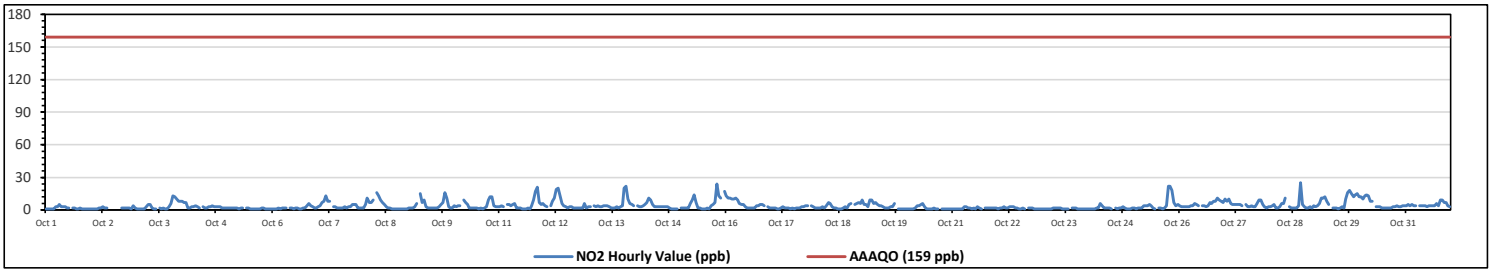
Maximum Hourly Value:	25	ppb	on Oct 28 at hr 16	Hours in Service:	744
Maximum Daily Value:	8.1	ppb	on Oct 29	Hours of Data:	706
Minimum Hourly Value:	1	ppb	on Oct 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	1.3	ppb	on Oct 23	Hours of Calibration:	38
Monthly Average:	3.9	ppb		Operational Uptime:	100.0

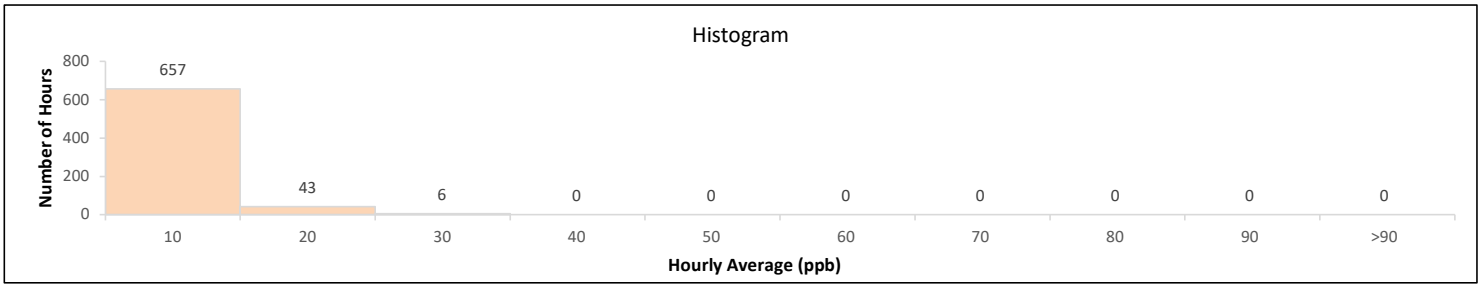
Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	1	1	1	1	1	3	3	5	3	3	3	2	2	S	2	2	1	1	2	1	1	1	1	1	1	5	1.8
Oct 2	1	1	1	1	2	2	3	2	2	C	C	C	C	C	C	C	2	2	2	2	2	1	4	2	1	4	NA
Oct 3	1	1	1	1	1	3	5	5	2	1	1	S	2	1	2	1	1	3	6	13	12	10	8	8	1	13	3.9
Oct 4	8	7	7	2	2	3	3	4	3	2	S	3	2	2	3	3	4	3	3	3	3	2	2	2	2	8	3.3
Oct 5	2	2	2	2	2	2	1	2	2	S	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	2	1.5
Oct 6	1	1	1	2	1	2	2	2	S	2	2	1	2	2	1	1	2	2	4	6	4	3	2	2	1	6	2.1
Oct 7	3	4	7	8	13	8	8	S	3	3	2	2	2	2	3	2	3	3	5	5	5	2	2	2	2	13	4.2
Oct 8	2	5	11	7	7	9	S	16	13	9	7	5	3	2	2	1	1	1	1	1	1	1	1	1	1	16	4.7
Oct 9	2	2	2	3	6	S	15	7	9	3	2	2	2	2	2	2	3	5	7	16	11	3	2	2	2	16	4.8
Oct 10	4	3	4	4	S	9	7	5	2	2	2	2	2	1	2	1	2	3	9	12	12	4	3	3	1	12	4.3
Oct 11	3	4	3	S	5	5	4	5	6	2	2	2	1	1	1	2	1	4	9	17	21	7	5	6	1	21	5.0
Oct 12	4	3	S	4	8	11	19	20	13	6	4	3	2	3	3	2	2	2	2	2	2	6	2	3	2	20	5.5
Oct 13	3	S	4	3	4	3	3	4	4	4	3	2	2	2	3	2	3	4	20	22	10	6	5	4	2	22	5.2
Oct 14	S	4	3	3	4	5	7	11	9	5	3	3	3	3	3	3	3	3	2	1	1	1	1	S	1	11	3.7
Oct 15	2	2	2	2	2	6	9	14	7	2	2	1	1	1	2	1	4	5	7	24	13	11	S	17	1	24	6.0
Oct 16	13	11	11	10	10	11	9	6	5	5	3	2	2	2	2	2	4	4	5	5	4	S	3	2	2	13	5.7
Oct 17	2	2	2	1	1	2	3	2	2	2	1	2	1	2	2	2	3	3	4	4	S	4	3	2	1	4	2.3
Oct 18	2	2	2	3	2	4	7	6	3	2	2	1	1	1	2	3	2	5	6	S	5	6	7	6	1	7	3.5
Oct 19	9	5	5	3	9	9	6	7	5	4	4	3	2	2	2	3	3	6	S	1	1	1	1	1	1	9	4.0
Oct 20	1	1	1	1	2	4	4	5	6	3	1	1	1	1	2	1	1	S	1	1	1	1	1	1	1	6	1.8
Oct 21	1	1	1	1	1	1	3	3	2	2	1	2	1	3	2	1	S	2	2	2	2	2	2	2	1	3	1.7
Oct 22	1	2	2	3	2	2	3	3	3	2	2	1	1	2	1	S	2	2	2	1	1	1	1	1	1	3	1.8
Oct 23	1	1	1	1	1	2	2	2	2	2	1	1	1	1	S	2	2	2	1	1	1	1	1	1	1	2	1.3
Oct 24	1	1	1	1	2	2	6	4	2	2	2	2	1	S	2	1	2	2	3	2	1	1	1	2	1	6	1.9
Oct 25	2	1	2	2	2	4	4	4	5	4	2	1	S	2	2	1	2	4	22	22	18	7	4	5	1	22	5.3
Oct 26	4	3	3	3	3	3	4	4	6	5	4	S	4	4	3	4	7	6	8	8	11	9	8	7	3	11	5.3
Oct 27	10	8	10	6	5	5	5	5	5	4	S	5	3	3	4	3	3	6	9	9	5	3	2	3	2	10	5.3
Oct 28	3	4	5	2	2	3	6	6	11	S	3	2	2	2	2	4	25	5	3	2	2	3	2	4	2	25	4.5
Oct 29	3	4	6	11	11	12	8	5	S	2	2	2	1	2	3	2	10	16	18	15	12	14	15	12	1	18	8.1
Oct 30	12	10	13	14	13	8	8	S	3	3	3	2	2	2	2	2	2	3	3	4	3	3	4	4	2	14	5.3
Oct 31	4	5	4	5	4	4	S	4	4	4	4	3	4	4	4	4	6	4	9	9	7	7	4	3	3	9	4.8
Diurnal Maximum	13	11	13	14	13	12	19	20	13	9	7	5	4	4	4	4	25	16	22	24	21	14	15	17			
Diurnal Average	3.5	3.4	3.9	3.7	4.3	4.9	5.8	5.8	4.9	3.2	2.5	2.1	1.9	2.0	2.2	2.0	3.6	3.7	5.9	7.1	5.8	4.1	3.3	3.7			

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

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

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



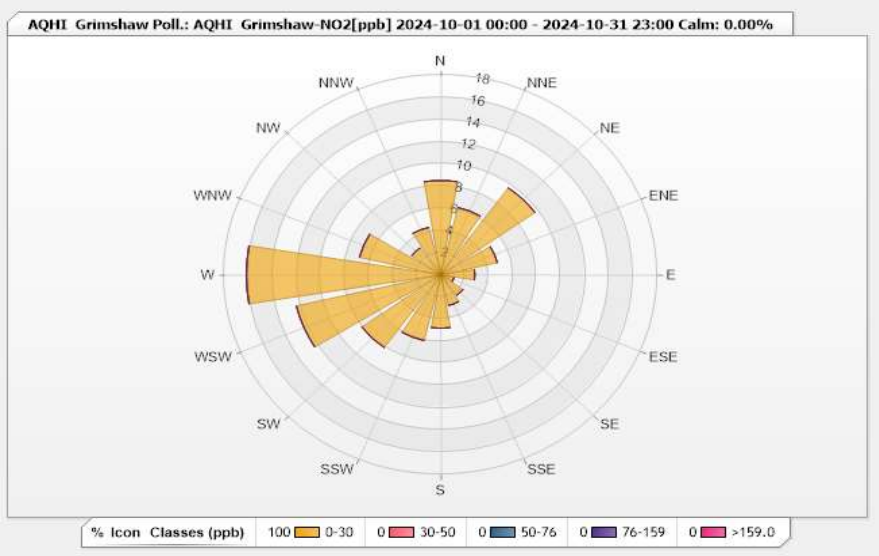


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 10-2024

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

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

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	8.5	0	0	0	0	8.5
NNE	6.23	0	0	0	0	6.23
NE	9.63	0	0	0	0	9.63
ENE	4.82	0	0	0	0	4.82
E	2.83	0	0	0	0	2.83
ESE	1.13	0	0	0	0	1.13
SE	2.27	0	0	0	0	2.27
SSE	2.83	0	0	0	0	2.83
S	4.82	0	0	0	0	4.82
SSW	6.09	0	0	0	0	6.09
SW	8.07	0	0	0	0	8.07
WSW	12.32	0	0	0	0	12.32
W	16.15	0	0	0	0	16.15
WNW	6.94	0	0	0	0	6.94
NW	2.97	0	0	0	0	2.97
NNW	4.39	0	0	0	0	4.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

OZONE (O_3) in ppb

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

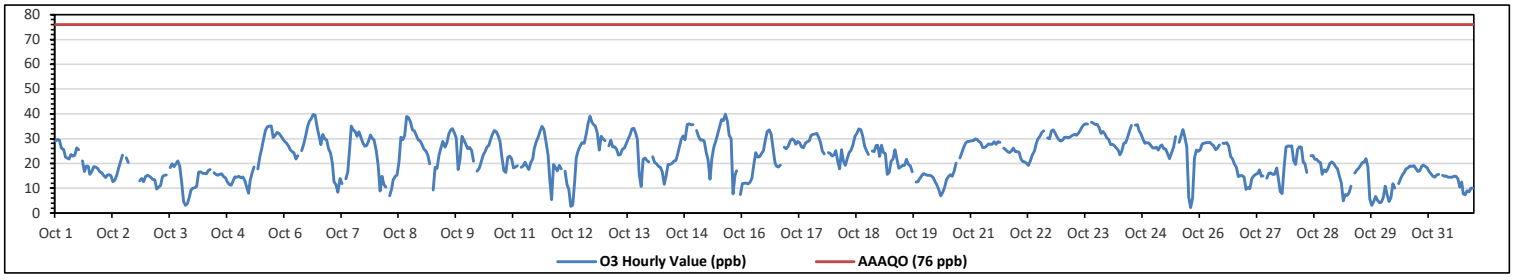
Number of 1-Hour Exceedances: 0

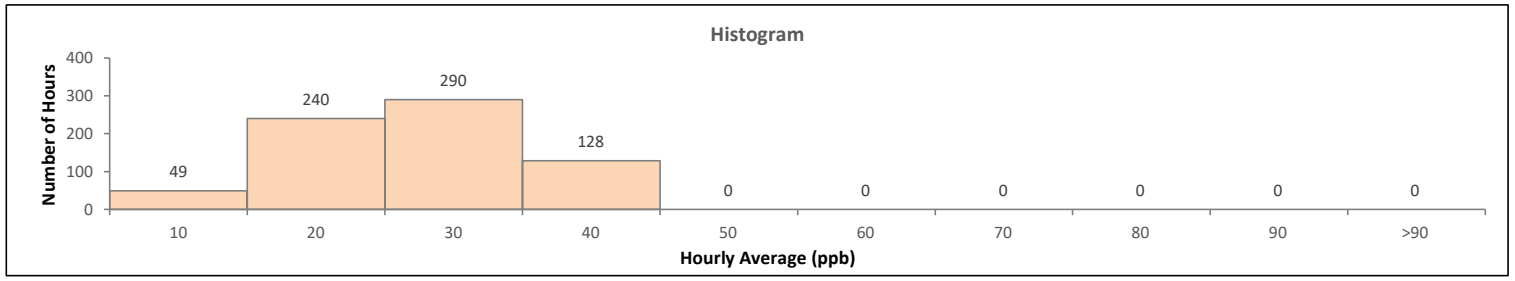
Maximum Hourly Value:	39.8	ppb	on Oct 15 at hr 15	Hours in Service:	744
Maximum Daily Value:	33.0	ppb	on Oct 23	Hours of Data:	707
Minimum Hourly Value:	2.1	ppb	on Oct 25 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	11.7	ppb	on Oct 29	Hours of Calibration:	37
Monthly Average:	22.4	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	29	29.7	29.4	26.1	25.7	22.6	22.2	21.7	23.6	22.9	23.4	26.3	25.6	S	21	16.8	19	18.8	15.6	16.7	18.7	18.5	17.9	16.6	15.6	29.7	22.1
Oct 2	16.2	15.2	14.3	15.3	15.4	15.1	12.6	13.2	15.2	18.1	20.7	23.3	S	22.3	20.4	C	C	C	C	C	13	13.9	12.6	14.7	12.6	23.3	16.2
Oct 3	15.2	15	14.3	13.5	13.4	9.7	10.4	11	14.7	15.2	15.3	S	18.3	19.8	18.7	19.8	21.1	18.8	12.4	4.6	3.1	3.9	6.4	9.2	3.1	21.1	13.2
Oct 4	10.1	10.2	10.8	16.5	16.7	15.9	16	15.8	17.2	17.5	S	16.3	15.5	15.2	15.5	15.8	14.7	14.2	12.5	11.4	11.1	12.8	14.6	14.5	10.1	17.5	14.4
Oct 5	14.8	14.2	14.6	13.1	10.6	8	13.1	16.1	18.5	S	17.7	22.5	25.9	30	33.4	34.8	35.1	35	30.4	31.4	32.4	32.1	31.1	30	8.0	35.1	23.7
Oct 6	28.9	28	26.9	25.4	24.7	24.2	21.8	23.1	S	25.1	27.6	31.5	35	37	38.1	39.7	39.4	34.8	31.2	27.6	31.7	29.9	29.5	25.9	21.8	39.7	29.9
Oct 7	24.2	19.9	12.7	11.4	8.4	13.9	11.8	S	13.7	16.5	26.1	35	33.6	32.8	30.9	32.7	30.5	28.4	27	27.2	29	31.5	30.1	29.5	8.4	35.0	24.2
Oct 8	25.2	19.3	8.8	14.8	11.4	10.5	S	6.9	9.6	13.3	14.7	15.3	20.5	30.6	29.5	31.4	38.9	38.5	36.7	33.6	33.2	31.3	29.6	29.1	6.9	38.9	23.2
Oct 9	27.6	25.8	25	23.5	19.8	S	9.2	18.4	18	23.2	26.1	28.9	26.6	28.3	32	33.5	34.1	32.3	30.2	17.5	21.8	31	29.4	27.8	9.2	34.1	25.7
Oct 10	25.9	26.4	25.3	20.9	S	16.9	18	20.6	23.4	24.8	26.5	27.4	29.9	31.8	33.3	32.7	31.2	28.8	22.2	17.1	16.4	22.4	23	21.9	16.4	33.3	24.6
Oct 11	18.2	18.5	19.1	S	18.4	19	20.5	18.9	17.5	20.3	21.8	26	28.8	30.6	33	34.9	33.7	29.2	23.3	12.4	5.4	19.5	18.3	17.1	5.4	34.9	21.9
Oct 12	19.2	17.7	S	16.9	11.6	9.4	2.6	3.2	12.5	22.2	25.1	27	28.3	28.1	31.8	36.1	39.1	36.6	35.8	34.9	32.1	25.4	30.9	30	2.6	39.1	24.2
Oct 13	29.1	S	27.1	29.4	26.7	26.7	25.8	23.4	23.6	25.7	26.2	27.9	29.8	31.5	33.9	34.2	32.4	29.8	15.3	10.7	21.6	22.1	21.2	20.6	10.7	34.2	25.9
Oct 14	S	22.7	20.4	19.8	18.9	18.4	16.5	11.6	15.1	19.5	19.6	19.9	20.9	21.2	23.2	26.5	29.7	31.1	29.5	35.7	36	35.6	35.6	S	11.6	36.0	24.0
Oct 15	33.3	30.9	29.4	29.6	29	24.5	21.5	13.6	22.1	26.6	29	31.3	34.3	37.6	37.3	39.8	37.3	31.4	30	7.7	15.2	17	S	7.5	7.5	39.8	26.8
Oct 16	11.8	12	12.1	11.7	12.4	14.1	19.6	24.3	22.6	22.7	23.9	25.1	29.6	32.9	33.6	31.9	26.1	20.3	18.8	18.6	19.4	S	26.6	25.9	11.7	33.6	21.6
Oct 17	26.8	29.2	30	29.3	27.8	28.9	28.3	26.7	26.3	28	28.7	29	31.4	31.7	31.9	32.1	30.7	28.6	25	23.8	S	24.3	23.9	22.9	22.9	32.1	28.1
Oct 18	23.7	25.1	21.1	17.7	25.6	20.9	19.2	22	24.4	25.4	27.6	31	32.2	33.9	33.7	31.2	27.1	25.2	23.6	S	25	24.8	27.2	27.4	17.7	33.9	25.9
Oct 19	22.8	27.4	24.4	23.9	15.6	16.4	20.9	21.7	25.5	21.8	18	18.5	19.2	19.3	21.6	19.5	19.1	16.6	S	12.5	12.6	13.7	15	15.8	12.5	27.4	19.2
Oct 20	15.6	15.2	15.2	15	14.2	12.5	11.3	9.4	6.9	8.2	10.3	13.4	14.7	15.4	14.9	16.9	20.1	S	22.1	24	26.5	28.2	28.9	28.9	6.9	28.9	16.9
Oct 21	29.2	29.2	30	29.7	28.9	28.4	26.4	26.4	27	27.9	27.7	27.8	28.7	27.8	28.7	28.5	S	26.2	25.6	24.8	24.3	25	26.1	24.8	24.3	30.0	27.4
Oct 22	24.7	24.5	22	20.8	20.6	20.1	19.2	21	23.3	25	28.2	29.9	30.9	32.4	33.2	S	30.2	30	33.1	33.5	32.2	30.5	29.4	29	19.2	33.5	27.1
Oct 23	29.4	30.5	30.5	30.3	30.8	31.4	31.7	31.4	32.2	33.2	34.5	35.6	36	35.9	S	36.6	36.3	35.7	35.7	34.4	32.2	32.8	31.9	30.2	29.4	36.6	33.0
Oct 24	29.7	27.6	27.7	27.1	26.1	25.3	23.5	25	28	28.4	30.5	33.1	35.3	S	35.5	35.6	33.1	31.9	29.8	28.1	28.4	28.2	27.4	26.3	23.5	35.6	29.2
Oct 25	26.1	26.5	25.4	27	27.5	25.9	25.8	23.8	21.9	24.5	26.7	30.8	S	28.5	31.1	33.7	30.5	26.6	6.4	2.1	5.9	22.1	25.4	24.9	2.1	33.7	23.9
Oct 26	25.6	27.9	28.1	28.3	28.3	28.5	27.7	27.1	25.6	26.2	27.5	S	28	28.1	28.3	26.9	22.8	21.8	19.7	18.4	14.7	15.1	15.1	14.6	14.6	28.5	24.1
Oct 27	9.5	10.3	9.8	13.7	15	15.6	15.8	17.4	14.8	15	S	14	16	16.3	15.6	15.5	18.1	13.1	8.6	7.8	18.4	26.5	27.1	26.9	7.8	27.1	15.7
Oct 28	27.1	21	19.6	25.5	26.7	26.6	20.3	19.9	16.4	S	23.1	23.2	21.6	21.6	20.7	20.2	15.6	17.4	16.7	17.9	20	20.6	19.9	18.7	15.6	27.1	20.9
Oct 29	17.8	14.8	12.1	4.8	7.4	7.1	8.1	10.8	S	16.1	17.3	18	19.3	20.4	20.5	21.9	18.5	5.5	3	4.6	6.7	5.1	4.1	4.4	3.0	21.9	11.7
Oct 30	6.3	10.9	7.4	4.6	6.2	11.8	10	S	11.9	13.7	15.4	16.3	17.7	18.1	19	18.8	19.1	17.9	16.8	17.1	18.8	19.4	18.9	18.3	4.6	19.4	14.5
Oct 31	16.8	15.8	14.9	14.5	15.3	15.6	S	15.2	14.8	15	14.5	14.5	14.5	14.9	14.8	13.9	10.5	12.5	7.7	7.3	9	8.5	10	10.1	7.3	16.8	13.1
Diurnal Maximum	33.3	30.9	30.5	30.3	30.8	31.4	31.7	31.4	32.2	33.2	34.5	35.6	36.0	37.6	38.1	39.8	39.4	38.5	36.7	35.7	36.0	35.6	35.6	30.2			
Diurnal Average	22.0	21.4	20.3	20.0	19.3	18.8	18.3	18.6	19.5	21.4	23.2	24.8	25.8	26.7	27.2	28.0	27.4	25.4	22.2	19.4	20.5	22.4	22.9	21.5			

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

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



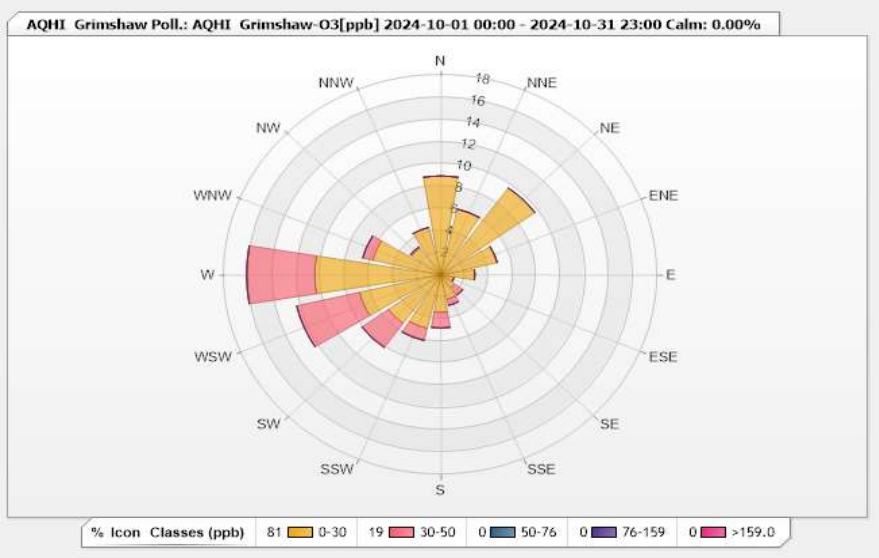


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 10-2024

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

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

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	8.91	0	0	0	0	8.91
NNE	6.08	0	0	0	0	6.08
NE	9.62	0	0	0	0	9.62
ENE	4.81	0	0	0	0	4.81
E	2.83	0	0	0	0	2.83
ESE	1.13	0	0	0	0	1.13
SE	1.41	0.85	0	0	0	2.26
SSE	2.26	0.57	0	0	0	2.83
S	3.39	1.41	0	0	0	4.8
SSW	4.95	1.13	0	0	0	6.08
SW	5.37	2.69	0	0	0	8.06
WSW	6.93	5.37	0	0	0	12.3
W	10.47	5.66	0	0	0	16.13
WNW	5.8	0.85	0	0	0	6.65
NW	2.97	0.14	0	0	0	3.11
NNW	4.38	0	0	0	0	4.38
Summary	81.31	18.67	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

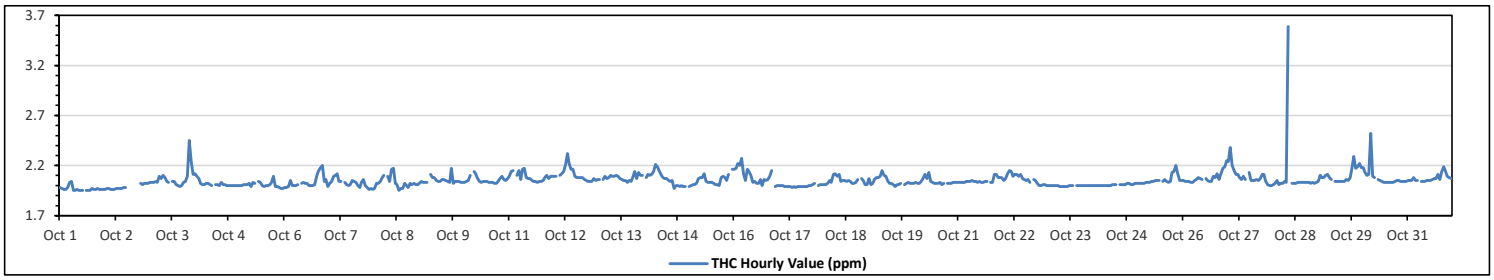
TOTAL HYDROCARBONS (THC) in ppm

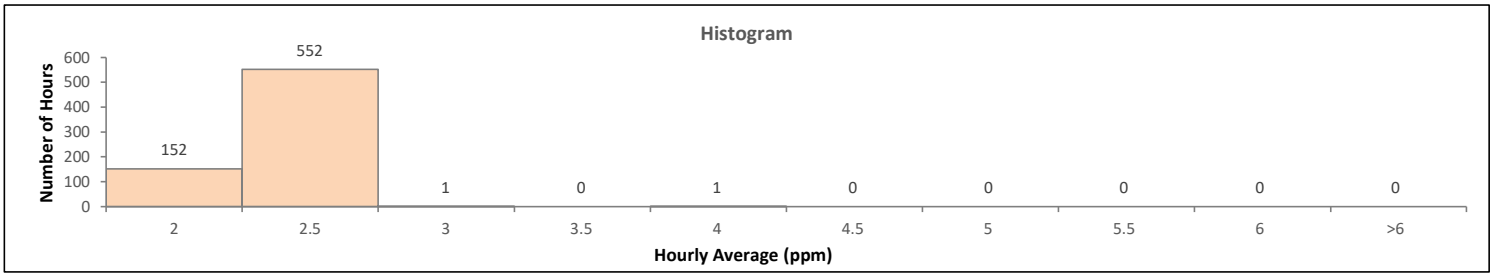
Maximum Hourly Value:	3.59	ppm	on Oct 28 at hr 8	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on Oct 12	Hours of Data:	706
Minimum Hourly Value:	1.95	ppm	on Oct 1 at hr 7	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Oct 1	Hours of Calibration:	38
Monthly Average:	2.05	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	1.98	1.97	1.96	1.96	1.98	2.03	2.04	1.95	1.95	1.96	1.95	1.95	1.95	S	1.95	1.95	1.95	1.97	1.96	1.96	1.97	1.96	1.96	1.96	1.95	2.04	1.97
Oct 2	1.96	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	S	C	C	C	C	C	C	2.02	2.01	2.02	2.02	2.02	1.96	2.02	NA
Oct 3	2.03	2.03	2.03	2.04	2.03	2.09	2.07	2.10	2.08	2.04	2.03	S	2.04	2.04	2.01	2.00	1.99	2.00	2.03	2.04	2.09	2.45	2.24	2.11	1.99	2.45	2.07
Oct 4	2.12	2.09	2.07	2.02	2.01	2.01	2.02	2.02	2.01	2.00	S	2.01	2.01	2.00	2.03	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.12	2.02
Oct 5	2.00	2.00	2.01	2.01	2.01	2.02	1.99	2.03	2.02	S	2.04	2.03	2.00	1.99	2.00	2.00	2.01	2.03	2.09	1.99	1.99	1.98	1.97	1.97	1.97	2.09	2.01
Oct 6	1.98	1.98	1.99	2.05	2.00	2.00	2.00	2.01	S	2.02	2.03	2.02	2.02	2.00	2.00	2.00	2.01	2.09	2.14	2.18	2.20	2.04	2.06	1.99	1.98	2.20	2.04
Oct 7	2.02	2.04	2.09	2.10	2.12	2.04	2.04	S	2.03	2.01	2.00	2.01	2.05	2.04	2.03	2.00	1.98	2.03	2.06	2.00	1.98	1.96	1.97	1.96	1.96	2.12	2.02
Oct 8	1.97	2.02	2.02	2.04	2.08	2.10	S	2.09	2.04	2.16	2.17	2.02	2.01	1.95	1.97	1.97	2.02	2.00	1.98	2.02	2.01	2.02	2.01	2.01	1.95	2.17	2.03
Oct 9	2.02	2.04	2.03	2.03	2.03	S	2.11	2.08	2.08	2.05	2.04	2.04	2.06	2.06	2.05	2.04	2.03	2.17	2.02	2.04	2.04	2.04	2.03	2.03	2.02	2.17	2.05
Oct 10	2.03	2.04	2.05	2.10	S	2.14	2.12	2.07	2.04	2.03	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.02	2.04	2.07	2.09	2.06	2.05	2.07	2.02	2.14	2.05
Oct 11	2.09	2.14	2.15	S	2.10	2.15	2.06	2.16	2.17	2.08	2.07	2.07	2.05	2.04	2.04	2.03	2.04	2.04	2.05	2.08	2.10	2.07	2.09	2.09	2.03	2.17	2.09
Oct 12	2.09	2.09	S	2.10	2.12	2.14	2.21	2.32	2.22	2.16	2.16	2.09	2.08	2.08	2.08	2.08	2.06	2.05	2.04	2.04	2.04	2.07	2.05	2.06	2.04	2.32	**2.11**
Oct 13	2.06	S	2.06	2.09	2.07	2.08	2.10	2.09	2.09	2.10	2.09	2.07	2.06	2.05	2.05	2.03	2.05	2.04	2.09	2.14	2.07	2.13	2.10	2.10	2.03	2.14	2.08
Oct 14	S	2.08	2.11	2.10	2.11	2.14	2.21	2.19	2.15	2.11	2.08	2.07	2.07	2.05	2.04	2.05	1.97	2.00	2.00	1.99	2.00	1.99	1.99	S	1.97	2.21	2.07
Oct 15	1.99	2.00	2.01	2.01	2.02	2.07	2.08	2.08	2.12	2.04	2.03	2.03	2.03	2.02	2.01	2.01	2.00	2.08	2.09	2.08	2.05	2.11	S	2.16	1.99	2.16	2.05
Oct 16	2.16	2.17	2.22	2.20	2.27	2.12	2.05	2.16	2.14	2.10	2.03	2.04	2.02	2.02	2.06	2.00	2.06	2.05	2.06	2.09	2.15	S	1.99	2.00	1.99	2.27	2.09
Oct 17	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.02	S	2.00	2.01	2.01	1.98	2.02	2.00
Oct 18	2.01	2.01	2.02	2.05	2.03	2.11	2.12	2.09	2.11	2.04	2.05	2.05	2.04	2.05	2.04	2.02	2.02	2.03	2.06	S	2.07	2.05	2.01	2.01	2.01	2.12	2.05
Oct 19	2.07	2.01	2.02	2.06	2.08	2.08	2.09	2.15	2.10	2.09	2.05	2.02	2.02	2.01	1.99	2.01	2.01	2.02	S	2.01	2.02	2.03	2.02	2.02	1.99	2.15	2.04
Oct 20	2.02	2.03	2.02	2.02	2.04	2.07	2.11	2.07	2.13	2.04	2.03	2.02	2.02	2.02	2.03	2.01	2.02	S	2.02	2.02	2.02	2.03	2.03	2.03	2.01	2.13	2.04
Oct 21	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.05	2.04	2.04	2.03	2.04	2.03	2.03	2.04	2.04	S	2.03	2.03	2.11	2.11	2.08	2.08	2.08	2.03	2.11	2.05
Oct 22	2.05	2.07	2.12	2.15	2.14	2.09	2.11	2.11	2.09	2.11	2.07	2.06	2.05	2.06	2.03	S	2.06	2.05	2.02	2.00	2.00	2.01	2.01	2.00	2.00	2.15	2.06
Oct 23	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00
Oct 24	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.02	2.02	2.00	2.02	2.01
Oct 25	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.05	2.05	2.05	S	2.04	2.06	2.04	2.03	2.04	2.13	2.14	2.20	2.12	2.05	2.05	2.02	2.20	2.06
Oct 26	2.05	2.04	2.04	2.04	2.03	2.03	2.05	2.06	2.08	2.07	2.06	S	2.07	2.05	2.04	2.04	2.09	2.08	2.12	2.06	2.12	2.17	2.19	2.25	2.03	2.25	2.08
Oct 27	2.24	2.38	2.20	2.15	2.11	2.11	2.08	2.06	2.09	2.06	S	2.13	2.05	2.05	2.05	2.06	2.05	2.07	2.11	2.11	2.04	2.01	2.00	2.00	2.00	2.38	2.10
Oct 28	2.01	2.02	2.05	2.01	2.02	2.02	2.04	2.03	**3.59**	S	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.02	2.03	2.01	**3.59**	2.09
Oct 29	2.04	2.10	2.08	2.08	2.10	2.11	2.08	2.06	S	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.05	2.08	2.19	2.29	2.17	2.19	2.22	2.18	2.04	2.29	2.10
Oct 30	2.18	2.13	2.10	2.11	2.52	2.09	2.08	S	2.06	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.04	2.04	2.04	2.03	2.03	2.52	2.08
Oct 31	2.05	2.05	2.05	2.08	2.05	2.05	S	2.04	2.04	2.04	2.05	2.05	2.05	2.06	2.07	2.07	2.11	2.06	2.14	2.19	2.14	2.09	2.08	2.07	2.04	2.19	2.07
Diurnal Maximum	2.24	2.38	2.22	2.20	2.52	2.15	2.21	2.32	3.59	2.16	2.17	2.13	2.08	2.08	2.08	2.08	2.11	2.17	2.19	2.29	2.20	2.45	2.24	2.25			
Diurnal Average	2.04	2.05	2.05	2.05	2.07	2.06	2.06	2.07	2.12	2.05	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.04	2.05	2.06	2.06	2.06	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.



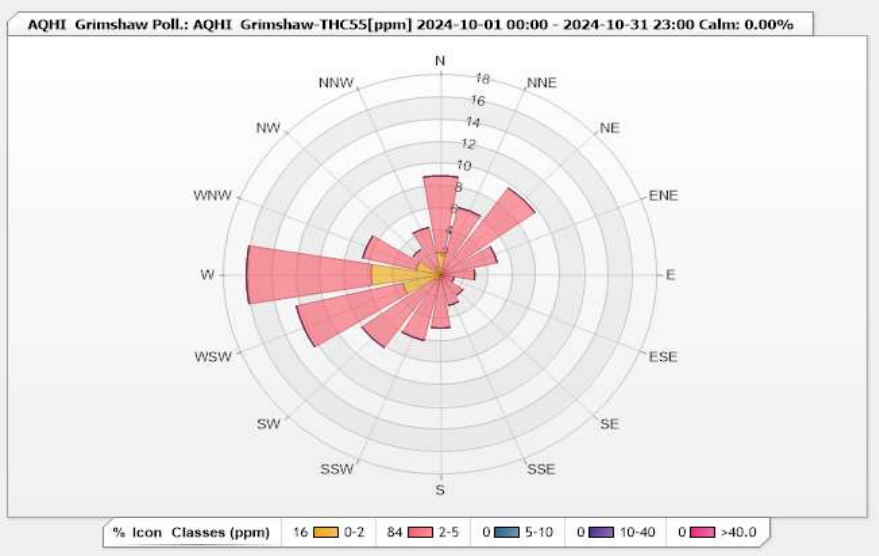


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 10-2024

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

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

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	1.98	6.94	0	0	0	8.92
NNE	0.57	5.67	0	0	0	6.24
NE	0.28	9.35	0	0	0	9.63
ENE	0	4.82	0	0	0	4.82
E	0	2.83	0	0	0	2.83
ESE	0	1.13	0	0	0	1.13
SE	0	2.27	0	0	0	2.27
SSE	0	2.83	0	0	0	2.83
S	0.14	4.67	0	0	0	4.81
SSW	0.42	5.67	0	0	0	6.09
SW	0.57	7.51	0	0	0	8.08
WSW	3.26	9.07	0	0	0	12.33
W	5.81	10.34	0	0	0	16.15
WNW	2.12	4.53	0	0	0	6.65
NW	0.28	2.55	0	0	0	2.83
NNW	0.71	3.68	0	0	0	4.39
Summary	16.14	83.86	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

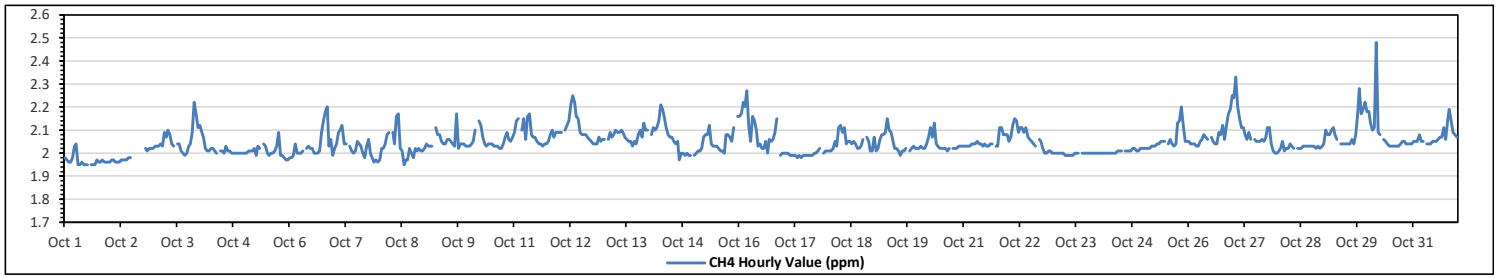
METHANE (CH4) in ppm

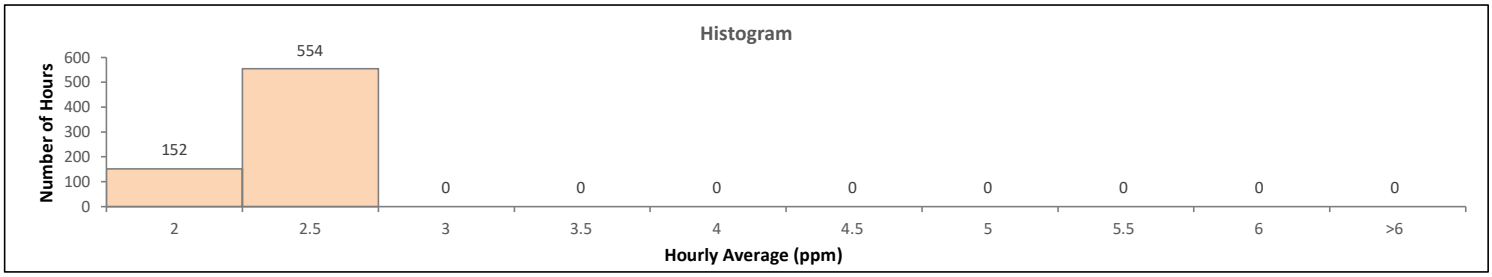
Maximum Hourly Value:	2.48	ppm	on Oct 30 at hr 4	Hours in Service:	744	
Maximum Daily Value:	2.10	ppm	on Oct 12	Hours of Data:	706	
Minimum Hourly Value:	1.95	ppm	on Oct 1 at hr 7	Hours of Missing Data:	0	
Minimum Daily Value:	1.97	ppm	on Oct 1	Hours of Calibration:	38	
Monthly Average:	2.05	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	1.98	1.97	1.96	1.96	1.98	2.03	2.04	1.95	1.95	1.96	1.95	1.95	1.95	S	1.95	1.95	1.95	1.97	1.96	1.96	1.97	1.96	1.96	1.96	1.95	2.04	1.97
Oct 2	1.96	1.97	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	S	C	C	C	C	C	C	2.02	2.01	2.02	2.02	2.02	1.96	2.02	NA
Oct 3	2.03	2.03	2.03	2.04	2.03	2.09	2.07	2.10	2.08	2.04	2.03	S	2.04	2.04	2.01	2.00	1.99	2.00	2.03	2.04	2.09	2.22	2.17	2.11	1.99	2.22	2.06
Oct 4	2.12	2.09	2.07	2.02	2.01	2.01	2.02	2.02	2.01	2.00	S	2.01	2.01	2.00	2.03	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.12	2.02
Oct 5	2.00	2.00	2.01	2.01	2.01	2.02	1.99	2.03	2.02	S	2.04	2.03	2.00	1.99	2.00	2.00	2.01	2.03	2.09	1.99	1.99	1.98	1.97	1.97	1.97	2.09	2.01
Oct 6	1.98	1.98	1.99	2.04	2.00	2.00	2.00	2.01	S	2.02	2.03	2.02	2.02	2.00	2.00	2.00	2.01	2.09	2.14	2.18	2.20	2.03	2.06	1.99	1.98	2.20	2.03
Oct 7	2.02	2.04	2.09	2.10	2.12	2.04	2.04	S	2.03	2.01	2.00	2.01	2.05	2.04	2.03	2.00	1.98	2.03	2.06	2.00	1.98	1.96	1.97	1.96	1.96	2.12	2.02
Oct 8	1.97	2.02	2.02	2.04	2.08	2.09	S	2.09	2.04	2.16	2.17	2.02	2.01	1.95	1.97	1.97	2.02	2.00	1.98	2.02	2.01	2.02	2.01	2.01	1.95	2.17	2.03
Oct 9	2.02	2.04	2.03	2.03	2.03	S	2.11	2.08	2.08	2.05	2.04	2.04	2.06	2.06	2.05	2.04	2.03	2.17	2.02	2.04	2.04	2.04	2.03	2.03	2.02	2.17	2.05
Oct 10	2.03	2.04	2.05	2.10	S	2.14	2.12	2.07	2.04	2.03	2.04	2.04	2.04	2.03	2.03	2.03	2.02	2.02	2.04	2.07	2.09	2.06	2.05	2.07	2.02	2.14	2.05
Oct 11	2.09	2.14	2.15	S	2.10	2.15	2.06	2.16	2.17	2.08	2.07	2.07	2.05	2.04	2.04	2.03	2.04	2.04	2.05	2.08	2.10	2.07	2.09	2.09	2.03	2.17	2.09
Oct 12	2.09	2.09	S	2.10	2.12	2.14	2.21	2.25	2.22	2.16	2.15	2.09	2.08	2.08	2.08	2.07	2.06	2.05	2.04	2.04	2.04	2.07	2.05	2.06	2.04	2.25	**2.10**
Oct 13	2.06	S	2.06	2.09	2.07	2.08	2.10	2.09	2.09	2.10	2.09	2.07	2.06	2.05	2.05	2.03	2.05	2.04	2.08	2.10	2.07	2.13	2.10	2.10	2.03	2.13	2.08
Oct 14	S	2.08	2.11	2.10	2.11	2.14	2.21	2.19	2.15	2.11	2.08	2.07	2.07	2.05	2.04	2.05	1.97	2.00	2.00	1.99	2.00	1.99	1.99	S	1.97	2.21	2.07
Oct 15	1.99	2.00	2.01	2.01	2.02	2.07	2.08	2.08	2.12	2.04	2.03	2.03	2.03	2.02	2.01	2.01	2.00	2.08	2.08	2.07	2.05	2.11	S	2.16	1.99	2.16	2.05
Oct 16	2.16	2.17	2.22	2.20	2.27	2.12	2.05	2.16	2.14	2.10	2.03	2.04	2.02	2.02	2.05	2.00	2.06	2.05	2.06	2.09	2.15	S	1.99	2.00	1.99	2.27	2.09
Oct 17	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.02	S	2.00	2.01	2.01	1.98	2.02	2.00
Oct 18	2.01	2.01	2.02	2.05	2.03	2.11	2.12	2.09	2.11	2.04	2.05	2.05	2.04	2.05	2.04	2.02	2.02	2.03	2.06	S	2.07	2.05	2.01	2.01	2.01	2.12	2.05
Oct 19	2.07	2.01	2.02	2.06	2.08	2.08	2.09	2.15	2.10	2.09	2.05	2.02	2.02	2.01	1.99	2.01	2.01	2.02	S	2.01	2.02	2.03	2.02	2.02	1.99	2.15	2.04
Oct 20	2.02	2.03	2.02	2.02	2.04	2.07	2.11	2.07	2.13	2.04	2.03	2.02	2.02	2.02	2.02	2.01	2.02	S	2.02	2.02	2.02	2.03	2.03	2.03	2.01	2.13	2.04
Oct 21	2.03	2.03	2.03	2.03	2.04	2.04	2.04	2.05	2.04	2.04	2.03	2.04	2.03	2.03	2.04	2.04	S	2.03	2.03	2.11	2.11	2.08	2.08	2.08	2.03	2.11	2.05
Oct 22	2.05	2.07	2.12	2.15	2.14	2.09	2.11	2.11	2.09	2.11	2.07	2.06	2.05	2.04	2.03	S	2.06	2.05	2.02	2.00	2.00	2.01	2.01	2.00	2.00	2.15	2.06
Oct 23	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	S	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00
Oct 24	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	S	2.01	2.01	2.01	2.01	2.02	2.02	2.01	2.01	2.02	2.02	2.00	2.02	2.01
Oct 25	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.05	2.05	2.05	S	2.04	2.06	2.04	2.03	2.04	2.13	2.14	2.20	2.12	2.05	2.05	2.02	2.20	2.06
Oct 26	2.05	2.04	2.04	2.04	2.03	2.03	2.05	2.06	2.08	2.07	2.06	S	2.07	2.05	2.04	2.04	2.09	2.08	2.12	2.06	2.12	2.17	2.19	2.25	2.03	2.25	2.08
Oct 27	2.24	2.33	2.20	2.15	2.11	2.11	2.08	2.06	2.09	2.06	S	2.06	2.05	2.05	2.05	2.06	2.05	2.07	2.11	2.11	2.04	2.01	2.00	2.00	2.00	2.33	2.09
Oct 28	2.01	2.02	2.05	2.01	2.02	2.02	2.04	2.03	2.02	S	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.03	2.02	2.03	2.01	2.05	2.03
Oct 29	2.04	2.10	2.08	2.08	2.10	2.11	2.08	2.06	S	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.04	2.08	2.17	2.28	2.17	2.19	2.22	2.18	2.04	2.28	2.10
Oct 30	2.18	2.13	2.10	2.11	**2.48**	2.09	2.08	S	2.06	2.05	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.04	2.04	2.04	2.04	2.03	**2.48**	2.08
Oct 31	2.05	2.05	2.05	2.08	2.05	2.05	S	2.04	2.04	2.04	2.05	2.05	2.05	2.06	2.07	2.07	2.11	2.06	2.14	2.19	2.14	2.09	2.08	2.07	2.04	2.19	2.07
Diurnal Maximum	2.24	2.33	2.22	2.20	2.48	2.15	2.21	2.25	2.22	2.16	2.17	2.09	2.08	2.08	2.08	2.07	2.11	2.17	2.17	2.28	2.20	2.22	2.22	2.25			
Diurnal Average	2.04	2.05	2.05	2.05	2.07	2.06	2.06	2.07	2.07	2.05	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.04	2.05	2.06	2.06	2.05	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.



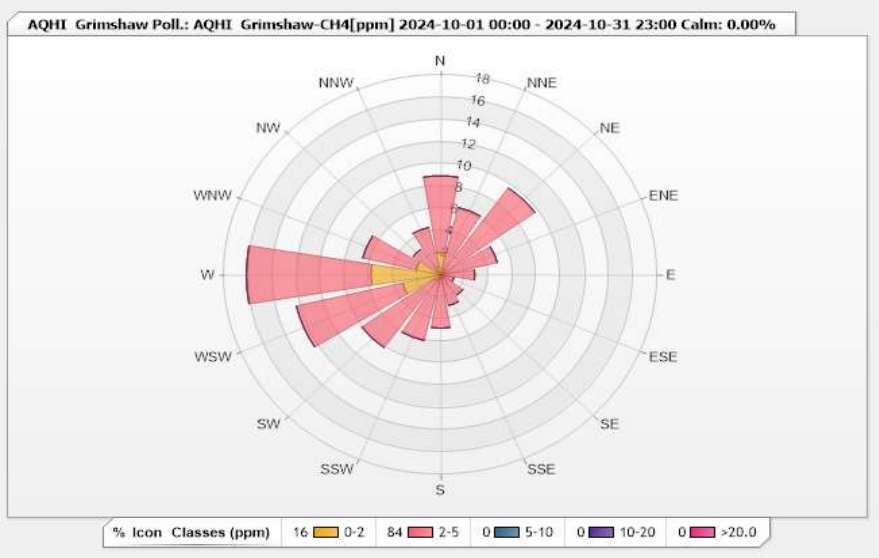


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 10-2024

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

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

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	1.98	6.94	0	0	0	8.92
NNE	0.57	5.67	0	0	0	6.24
NE	0.28	9.35	0	0	0	9.63
ENE	0	4.82	0	0	0	4.82
E	0	2.83	0	0	0	2.83
ESE	0	1.13	0	0	0	1.13
SE	0	2.27	0	0	0	2.27
SSE	0	2.83	0	0	0	2.83
S	0.14	4.67	0	0	0	4.81
SSW	0.42	5.67	0	0	0	6.09
SW	0.57	7.51	0	0	0	8.08
WSW	3.26	9.07	0	0	0	12.33
W	5.81	10.34	0	0	0	16.15
WNW	2.12	4.53	0	0	0	6.65
NW	0.28	2.55	0	0	0	2.83
NNW	0.71	3.68	0	0	0	4.39
Summary	16.14	83.86	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

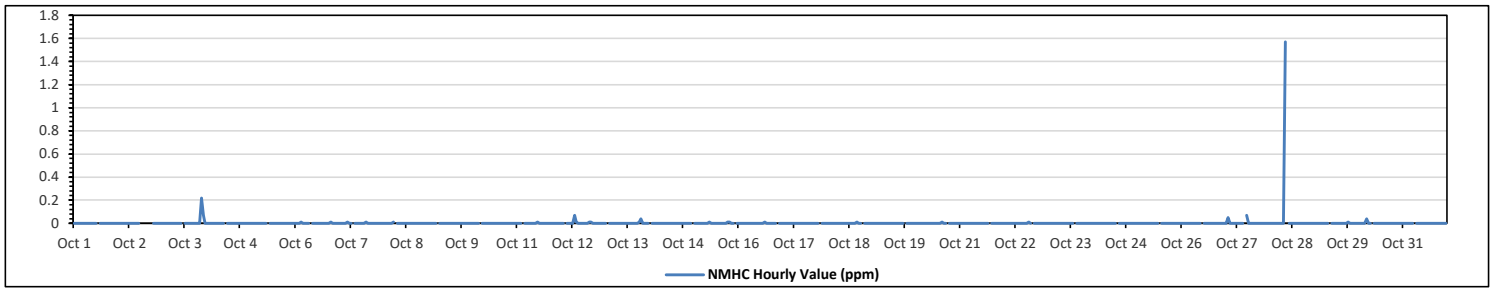
NON-METHANE HYDROCARBONS (NMHC) in ppm

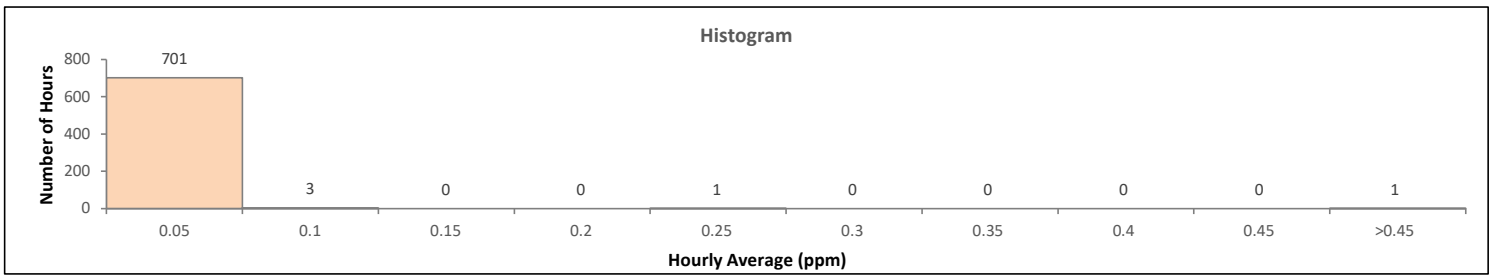
Maximum Hourly Value:	1.57	ppm	on Oct 28 at hr 8	Hours in Service:	744
Maximum Daily Value:	0.07	ppm	on Oct 28	Hours of Data:	706
Minimum Hourly Value:	0.00	ppm	on Oct 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Oct 1	Hours of Calibration:	38
Monthly Average:	0.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 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	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
Oct 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	S	C	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Oct 3	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	0.22	0.07	0.00	0.00	0.22	0.01
Oct 4	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
Oct 5	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
Oct 6	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 7	0.00	0.00	0.00	0.00	0.01	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 8	0.00	0.00	0.00	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	0.01	0.00
Oct 9	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
Oct 10	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
Oct 11	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 12	0.00	0.00	S	0.00	0.00	0.00	0.00	0.07	0.01	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	0.00	0.00	0.07	0.00
Oct 13	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	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Oct 14	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
Oct 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	S	0.00	0.00	0.01	0.00
Oct 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.01	0.00
Oct 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
Oct 20	0.00	0.00	0.00	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 21	0.00	0.00	0.00	0.00	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
Oct 22	0.00	0.00	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	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 23	0.00	0.00	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
Oct 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	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
Oct 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	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
Oct 26	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
Oct 27	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01
Oct 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**1.57**	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	**1.57**	**0.07**
Oct 29	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Oct 30	0.00	0.00	0.00	0.00	0.04	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Oct 31	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
Diurnal Maximum	0.00	0.05	0.00	0.01	0.04	0.01	0.00	0.07	1.57	0.00	0.00	0.07	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.04	0.00	0.22	0.07	0.00			
Diurnal Average	0.00	0.00	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	0.01	0.00	0.00			

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

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



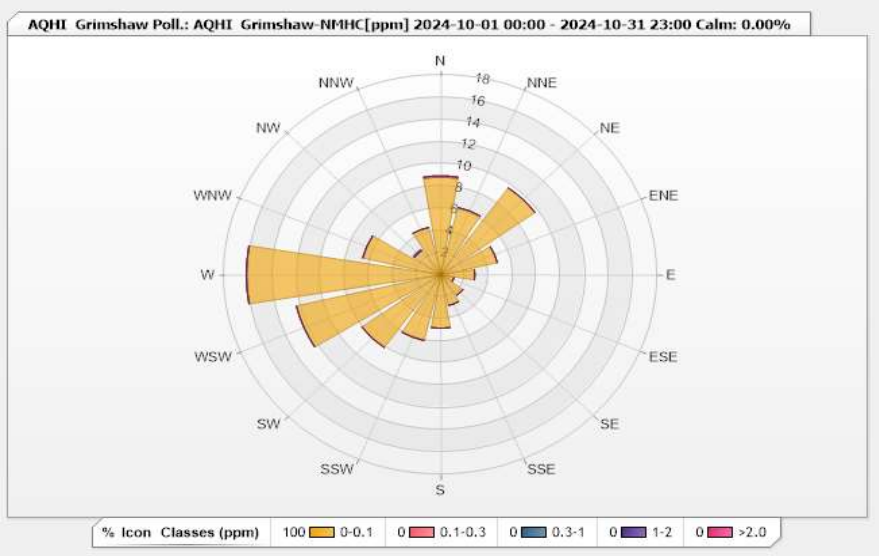


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 10-2024

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

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

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	8.78	0.14	0	0	0	8.92
NNE	6.23	0	0	0	0	6.23
NE	9.63	0	0	0	0	9.63
ENE	4.82	0	0	0	0	4.82
E	2.83	0	0	0	0	2.83
ESE	1.13	0	0	0	0	1.13
SE	2.27	0	0	0	0	2.27
SSE	2.83	0	0	0	0	2.83
S	4.82	0	0	0	0	4.82
SSW	6.09	0	0	0	0	6.09
SW	8.07	0	0	0	0	8.07
WSW	12.32	0	0	0	0	12.32
W	16.15	0	0	0	0	16.15
WNW	6.66	0	0	0	0	6.66
NW	2.69	0	0	0.14	0	2.83
NNW	4.39	0	0	0	0	4.39
Summary	100	0.14	0	0.14	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

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

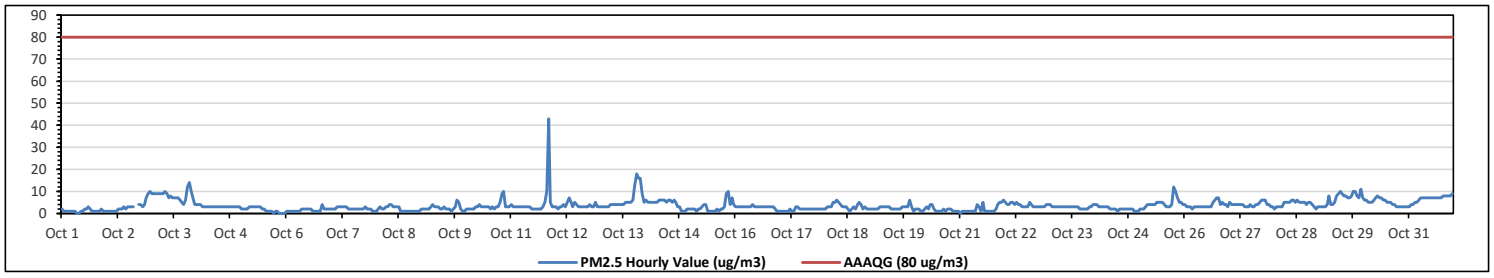
Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3

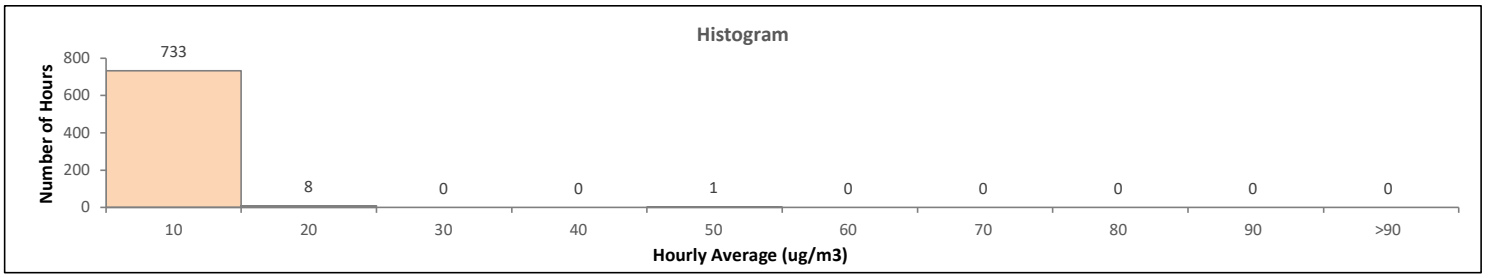
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0
Maximum Hourly Value:	43 µg/m^3 on Oct 11 at hr 20	Hours in Service:	744
Maximum Daily Value:	8.0 µg/m^3 on Oct 3	Hours of Data:	742
Minimum Hourly Value:	0 µg/m^3 on Oct 1 at hr 8	Hours of Missing Data:	0
Minimum Daily Value:	1 µg/m^3 on Oct 1	Hours of Calibration:	2
Monthly Average:	3.5 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			
Oct 1	2	1	1	1	1	1	1	1	0	0	1	1	2	2	3	2	1	1	1	1	1	2	1	1	**0**	3	**1.2**
Oct 2	1	1	1	1	1	1	2	2	2	3	2	3	3	3	3	C	C	4	4	3	4	7	9	10	1	10	3.2
Oct 3	9	9	9	9	9	9	9	10	9	7	8	7	7	7	7	6	5	4	6	12	14	10	7	4	4	14	**8.0**
Oct 4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3.1
Oct 5	2	2	2	2	3	3	3	3	3	3	3	2	2	1	1	1	1	0	1	1	0	0	0	0	**0**	3	1.6
Oct 6	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	4	2	2	2	2	1	4	1.5
Oct 7	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	1	3	2.2
Oct 8	1	2	3	2	2	3	3	4	4	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	4	2.0
Oct 9	2	2	2	2	2	3	4	3	3	3	2	2	3	2	2	2	1	2	3	6	5	2	1	1	1	6	2.5
Oct 10	2	2	2	2	2	3	3	4	3	3	3	3	3	2	3	2	3	3	5	9	10	3	3	3	2	10	3.4
Oct 11	4	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	5	10	**43**	5	3	3	2	**43**	4.9
Oct 12	3	2	3	3	4	3	5	7	5	3	5	4	3	3	3	3	3	3	4	3	3	5	3	3	2	7	3.6
Oct 13	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	6	13	18	16	16	9	5	3	18	6.3
Oct 14	6	5	5	5	5	5	5	6	6	6	6	5	6	6	5	6	5	3	3	1	1	1	2	2	1	6	4.4
Oct 15	2	2	2	1	2	2	3	4	4	1	1	1	1	1	2	1	2	2	3	9	10	4	7	4	1	10	3.0
Oct 16	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	1	1	1	4	2.8
Oct 17	1	1	1	1	1	2	1	1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	3	1.8
Oct 18	2	3	3	3	5	5	6	5	4	3	3	3	2	1	2	3	2	4	5	4	2	3	2	2	1	6	3.2
Oct 19	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	6	3	1	1	6	2.6
Oct 20	2	2	2	1	1	2	3	2	4	4	2	1	1	1	1	2	1	2	2	2	1	1	1	1	1	4	1.8
Oct 21	0	1	1	1	1	1	1	1	1	4	3	1	5	1	1	1	1	1	1	2	4	5	5	6	**0**	6	2.0
Oct 22	5	4	4	5	5	4	5	4	4	3	3	3	3	5	4	3	3	3	3	3	3	3	4	4	3	5	3.8
Oct 23	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	4	2	4	2.9
Oct 24	4	4	3	3	3	3	3	3	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	4	2.3
Oct 25	2	2	2	3	4	4	4	4	4	5	5	5	5	4	3	3	3	4	12	10	7	5	5	4	2	12	4.5
Oct 26	4	3	3	3	2	3	3	3	3	3	3	3	3	3	3	5	6	7	7	4	5	4	4	3	2	7	3.8
Oct 27	5	4	4	4	4	4	4	4	3	3	3	4	3	3	4	4	5	6	6	6	4	4	3	3	3	6	4.0
Oct 28	2	3	3	3	3	5	5	5	5	6	6	5	6	5	5	5	5	4	5	5	4	3	2	3	2	6	4.3
Oct 29	3	3	3	3	4	8	4	4	5	8	9	10	9	8	8	7	7	8	10	10	8	7	11	7	3	11	6.8
Oct 30	6	6	5	5	5	6	7	8	7	7	6	6	5	5	5	4	4	3	3	3	3	3	3	3	3	8	4.9
Oct 31	3	4	4	5	5	6	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	9	3	9	6.7
Diurnal Maximum	9	9	9	9	9	9	9	10	9	8	9	10	9	8	8	7	7	8	13	18	43	16	11	10			
Diurnal Average	3.0	2.9	2.9	2.9	3.1	3.5	3.7	3.8	3.7	3.7	3.6	3.4	3.4	3.1	3.2	3.1	3.0	3.2	4.2	4.9	5.7	4.0	3.5	3.1			

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: 10-2024

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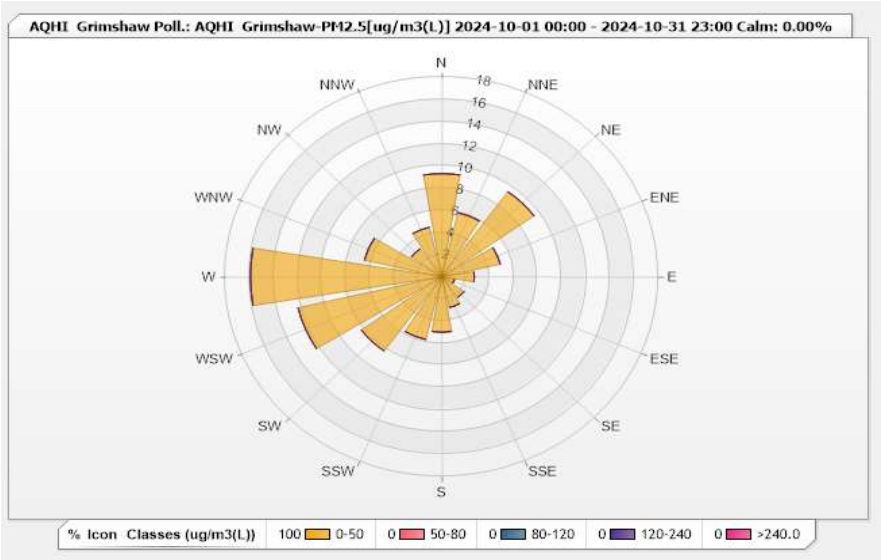
Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 99.73% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	9.3	0	0	0	0	9.3
NNE	5.93	0	0	0	0	5.93
NE	9.43	0	0	0	0	9.43
ENE	4.99	0	0	0	0	4.99
E	2.7	0	0	0	0	2.7
ESE	1.08	0	0	0	0	1.08
SE	2.29	0	0	0	0	2.29
SSE	2.83	0	0	0	0	2.83
S	4.99	0	0	0	0	4.99
SSW	5.8	0	0	0	0	5.8
SW	8.22	0	0	0	0	8.22
WSW	12.26	0	0	0	0	12.26
W	15.9	0	0	0	0	15.9
WNW	6.6	0	0	0	0	6.6
NW	3.1	0	0	0	0	3.1
NNW	4.58	0	0	0	0	4.58
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

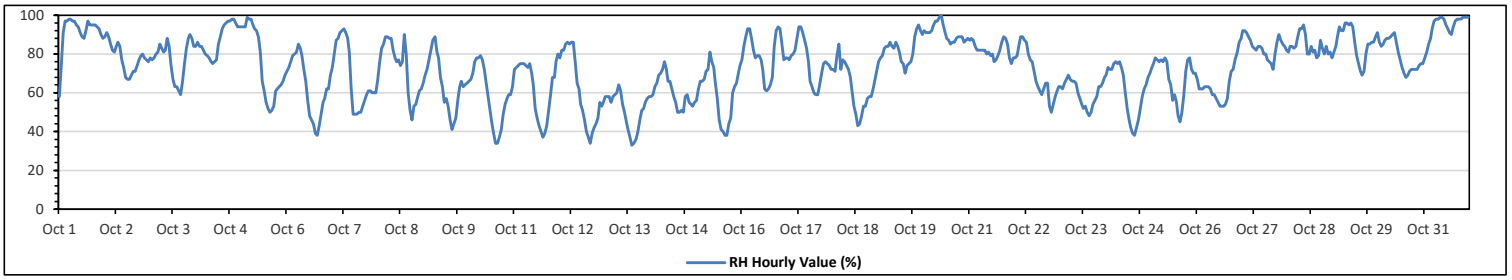
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Oct 20 at hr 9	Hours in Service:	744	
Maximum Daily Value:	94.3	%	on Oct 31	Hours of Data:	744	
Minimum Hourly Value:	33	%	on Oct 13 at hr 14	Hours of Missing Data:	0	
Minimum Daily Value:	50.8	%	on Oct 13	Hours of Calibration:	0	
Monthly Average:	72.8	%		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			
Oct 1	58	74	91	97	97	98	98	97	97	95	94	91	89	88	92	97	95	95	95	95	94	93	90	88	58	98	91.6
Oct 2	89	91	89	85	82	81	84	86	84	77	73	68	67	67	69	71	71	74	77	79	80	78	77	76	67	91	78.1
Oct 3	78	77	78	80	81	85	83	81	82	88	84	74	67	63	63	61	59	66	75	83	88	90	88	84	59	90	77.4
Oct 4	84	86	84	84	82	80	79	78	76	75	76	77	85	89	93	95	96	97	97	98	98	96	94	94	75	98	87.2
Oct 5	94	94	94	99	98	98	95	93	92	89	81	66	61	55	52	50	51	53	61	62	63	64	66	69	50	99	75.0
Oct 6	71	73	76	79	80	81	85	83	79	72	66	56	48	46	44	39	38	43	49	55	57	62	62	69	38	85	63.0
Oct 7	73	80	87	88	91	92	93	91	88	81	62	49	49	49	50	50	53	56	59	61	61	60	60	60	49	93	68.5
Oct 8	67	76	83	85	89	89	88	88	82	78	76	77	74	76	90	80	60	51	46	53	54	58	61	62	46	90	72.6
Oct 9	65	69	72	77	82	87	89	81	78	68	63	55	57	53	46	41	44	47	56	63	66	63	64	65	41	89	64.6
Oct 10	66	67	70	76	78	78	79	77	72	66	59	52	45	39	34	34	37	41	49	54	57	59	59	63	34	79	58.8
Oct 11	72	73	74	75	75	75	74	73	75	70	64	52	47	43	40	37	39	43	51	59	68	68	76	80	37	80	62.6
Oct 12	78	82	82	85	86	85	86	86	76	65	62	54	51	46	40	37	34	39	42	44	47	55	53	55	34	86	61.3
Oct 13	58	58	58	55	58	59	60	64	61	54	50	45	41	37	**33**	34	36	40	46	51	52	55	57	58	**33**	64	**50.8**
Oct 14	58	59	63	65	69	70	72	76	72	66	66	62	58	55	50	50	51	50	58	59	55	54	53	55	50	76	60.3
Oct 15	56	62	66	66	67	71	72	81	76	73	65	57	46	41	40	38	38	44	47	60	63	65	70	74	38	81	59.9
Oct 16	77	84	89	93	93	88	82	78	79	79	77	72	62	61	62	64	68	84	92	94	93	85	77	78	61	94	79.6
Oct 17	78	77	79	80	82	88	94	94	91	87	83	76	66	63	60	59	59	64	70	75	76	75	74	72	59	94	75.9
Oct 18	72	71	79	85	72	77	76	74	72	68	61	53	49	43	44	48	53	53	57	58	58	62	67	71	43	85	63.5
Oct 19	76	78	79	83	84	84	86	84	83	86	84	81	76	75	70	74	75	76	80	89	93	95	92	90	70	95	82.2
Oct 20	92	91	91	91	92	95	97	97	99	**100**	95	91	88	87	85	86	86	88	89	89	89	86	87	88	85	**100**	90.8
Oct 21	87	88	87	84	82	82	82	82	82	80	81	79	80	76	77	79	82	86	89	88	85	78	75	78	75	89	82.0
Oct 22	78	79	84	89	89	87	86	80	77	76	71	66	63	61	59	62	65	65	53	50	54	58	61	63	50	89	69.8
Oct 23	63	62	65	67	69	67	66	66	65	60	57	54	52	53	50	48	50	54	56	58	63	63	65	68	48	69	60.0
Oct 24	69	73	72	72	75	76	75	76	73	69	60	52	46	42	39	38	42	46	52	58	62	64	68	70	38	76	61.2
Oct 25	73	75	78	77	76	77	76	78	76	67	64	56	59	55	48	45	50	59	71	77	78	72	70	70	45	78	67.8
Oct 26	67	62	62	62	63	63	63	62	59	59	57	55	53	53	53	54	57	66	71	72	77	81	86	88	53	88	64.4
Oct 27	92	92	91	89	87	84	83	82	84	84	83	80	80	77	76	75	72	80	86	90	87	85	84	82	72	92	83.5
Oct 28	81	84	84	83	84	89	93	93	95	90	80	80	84	81	82	78	79	87	83	80	84	80	81	78	78	95	83.9
Oct 29	81	84	89	94	92	92	96	96	95	96	94	86	79	75	71	69	71	80	85	85	86	86	89	91	69	96	85.9
Oct 30	86	84	85	87	88	88	89	90	91	86	81	77	73	70	68	69	71	72	72	72	72	74	75	75	68	91	79.0
Oct 31	78	81	85	88	93	97	98	98	99	99	98	95	93	91	90	94	97	98	98	98	99	99	99	99	78	99	**94.3**
Diurnal Maximum	94	94	94	99	98	98	98	98	99	100	98	95	93	91	93	97	97	98	98	98	99	99	99	99			
Diurnal Average	74.7	77.0	79.5	81.3	81.8	82.7	83.2	82.7	81.0	77.5	73.1	67.4	64.1	61.6	60.3	59.9	60.6	64.4	68.1	71.3	72.9	73.0	73.5	74.6			

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

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



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

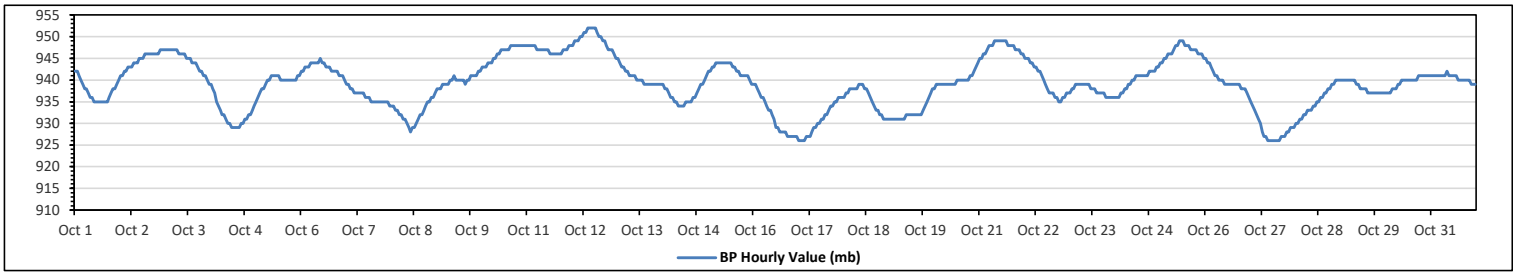
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	952	mb	on Oct 12 at hr 8	Hours in Service:	744	
Maximum Daily Value:	949	mb	on Oct 12	Hours of Data:	744	
Minimum Hourly Value:	926	mb	on Oct 17 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	928	mb	on Oct 27	Hours of Calibration:	0	
Monthly Average:	939	mb		Operational Uptime:	100.0	

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

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

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



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

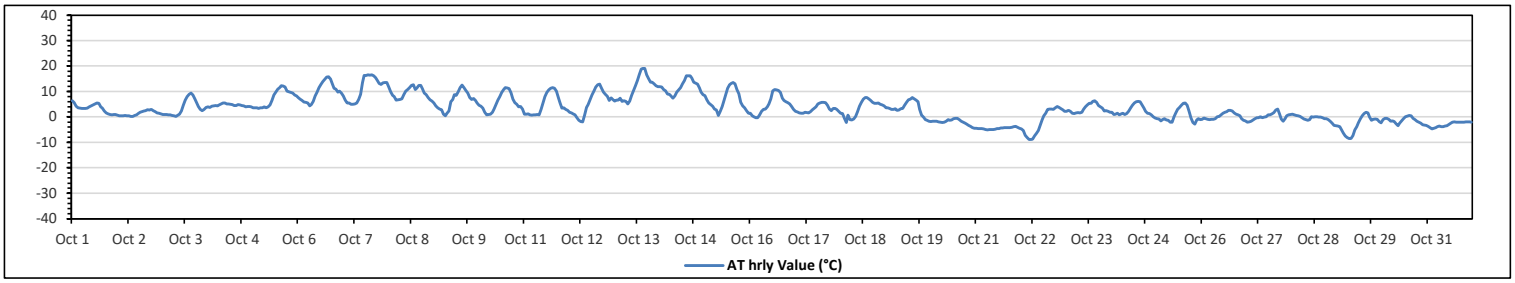
Maximum Hourly Value:	19.1	°C	on Oct 13 at hr 15	Hours in Service:	744	
Maximum Daily Value:	11.7	°C	on Oct 14	Hours of Data:	744	
Minimum Hourly Value:	-8.8	°C	on Oct 22 at hr 4	Hours of Missing Data:	0	
Minimum Daily Value:	-4.5	°C	on Oct 21	Hours of Calibration:	0	
Monthly Average:	3.5	°C		Operational 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			
Oct 1	6.4	5.6	4.2	3.7	3.5	3.3	3.3	3.3	3.5	3.9	4.4	4.8	5.2	5.4	5.3	3.9	3.5	2.4	1.6	1.2	1	0.9	1	1	0.9	6.4	3.4
Oct 2	0.7	0.4	0.4	0.5	0.6	0.5	0.4	0.2	0.2	0.6	0.9	1.3	1.8	2.1	2.4	2.5	2.8	2.7	2.9	2.5	2.1	1.6	1.4	1.2	0.2	2.9	1.4
Oct 3	1	1	1	0.9	0.8	0.6	0.4	0.2	0.7	1.1	2.4	4.6	6.6	7.9	8.9	9.3	8.6	7.1	5.5	4.1	2.9	2.5	3	3.8	0.2	9.3	3.5
Oct 4	3.9	3.8	4.2	4.4	4.5	4.4	4.8	5.1	5.5	5.4	5.2	5.1	5	4.9	4.5	4.5	4.9	4.7	4.5	4.3	3.9	4.1	4.1	3.9	3.8	5.5	4.6
Oct 5	3.7	3.7	3.6	3.4	3.6	3.7	4	3.7	3.9	4.8	6.5	8.6	9.7	10.9	11.6	12.2	12.1	11.8	10.1	9.9	9.6	9.3	8.7	8.2	3.4	12.2	7.4
Oct 6	7.7	7	6.5	5.9	5.7	5.5	4.4	4.9	6.1	8.3	9.8	11.6	12.8	13.9	14.7	15.7	15.9	14.9	13	11.3	10.9	9.7	10.2	9.3	4.4	15.9	9.8
Oct 7	8.2	6.6	5.5	5.4	5	5	5.1	5.4	6.9	8.9	13.5	16.3	16.3	16.5	16.4	16.5	16.1	15.5	14.5	13.2	12.8	13.4	13.5	13.5	5.0	16.5	11.3
Oct 8	11.8	9.9	8.5	8	6.6	6.7	6.9	7.1	8.8	10.1	10.7	11.5	12.4	12.6	10.8	11.4	12.4	12.4	11.2	9.4	8.8	7.7	6.7	6.3	6.3	12.6	9.5
Oct 9	5.5	4.3	3.6	3.1	2.8	1.1	0.4	1.5	2.4	6	6.9	8.8	8.5	9.9	11.6	12.5	11.6	10.5	9.3	7.6	6.8	7.3	6.5	5.5	0.4	12.5	6.4
Oct 10	4.6	4.2	3.5	1.8	0.9	1	1.1	1.8	3.1	4.9	6.6	7.9	9.6	10.8	11.6	11.4	11.2	9.5	7	5.6	5	4	4.1	3.1	0.9	11.6	5.6
Oct 11	1.1	1.1	1.2	0.9	0.7	0.8	0.9	1	0.9	2.9	5.4	8	9.6	10.6	11.3	11.6	11.3	10.1	7.6	5.6	3.5	3.6	2.9	2.6	0.7	11.6	4.8
Oct 12	1.9	1.6	1.2	0.8	-0.3	-1.3	-1.8	-1.9	0.7	3.8	4.9	6.7	8.7	10.2	11.8	12.6	12.9	11.3	9.8	8.9	8.1	6.5	7.5	6.9	-1.9	12.9	5.5
Oct 13	6.3	6.6	6.6	7.4	6.2	6.4	6.1	5.2	6.3	8.5	10.4	12.3	14.3	16.7	18.8	**19.1**	19	16.5	15	13.7	13.6	13.1	12.2	11.9	5.2	**19.1**	11.3
Oct 14	11.9	11.8	10.8	10.3	9.1	8.9	8.3	7.4	8.2	9.8	10.6	11.5	13.1	14.3	16.2	16.2	16.1	15.3	13.7	13.3	12.9	11.4	9.8	8.8	7.4	16.2	**11.7**
Oct 15	8.4	6.7	5.4	4.9	4.2	3.1	2.7	0.6	2.2	4.1	6.6	8.8	11.3	12.7	13.2	13.5	13.1	10.8	9.2	5.7	4.3	3.6	2.5	1.5	0.6	13.5	6.6
Oct 16	1.4	0.4	0.1	-0.3	-0.2	0.9	2.3	3	3.1	4	5.2	7.1	10.3	10.7	10.6	10.4	9.6	7.4	6.5	6	5.6	5.1	4.1	3	-0.3	10.7	4.8
Oct 17	2.2	2	1.6	1.5	1.5	1.9	1.7	1.6	2.1	2.8	3.4	4	5.2	5.5	5.8	5.8	5.6	4.6	3.1	2.5	3.4	3.3	2.9	2.3	1.5	5.8	3.2
Oct 18	1.5	1.3	-0.5	-2.2	0.7	-1.1	-1.2	-0.8	0.2	2.1	4.2	5.8	7	7.7	7.6	7.1	6.5	5.8	5.3	5.3	5.4	5	4.7	4.4	-2.2	7.7	3.4
Oct 19	3.6	3.7	3.4	3	3	3.2	2.6	2.7	3.2	3.4	4.6	5.7	6.7	7	7.7	7.1	6.6	6	2.9	0.7	-0.1	-1	-1.4	-1.6	-1.6	7.7	3.4
Oct 20	-1.8	-1.7	-1.7	-1.7	-1.9	-2.1	-2.2	-2	-1.6	-1.1	-1.3	-1.2	-0.7	-0.5	-0.5	-1	-1.6	-2.1	-2.5	-2.8	-3.3	-3.7	-4.2	-4.4	-4.4	-0.5	-2.0
Oct 21	-4.4	-4.6	-4.6	-4.6	-4.7	-5	-5.1	-5	-5	-4.9	-4.8	-4.6	-4.6	-4.3	-4.3	-4.2	-4.2	-4.2	-4.2	-4.1	-3.9	-3.7	-4.1	-4.4	-5.1	-3.7	**-4.5**
Oct 22	-4.7	-5.4	-7.2	-8.1	**-8.8**	**-8.8**	-8.7	-7.5	-6.5	-5.4	-3.1	-1	0.4	1.4	2.9	3.1	3.1	2.9	3.7	4.1	3.8	3.2	2.8	2.2	**-8.8**	4.1	-1.7
Oct 23	2.3	2.6	2.2	1.5	1.3	1.6	1.7	1.6	1.8	3	4	4.8	5.3	5.3	6.2	6.4	5.8	4.5	4	3.5	2.4	2.5	2.3	1.9	1.3	6.4	3.3
Oct 24	1.8	1	1.1	1.4	0.9	1.2	1.4	1	1.3	2.3	3.5	4.6	5.5	6	6.2	6	4.8	3.5	2.2	1.5	1.3	0.9	0.1	-0.4	-0.4	6.2	2.5
Oct 25	-0.6	-0.8	-1.5	-1	-0.7	-1.2	-1.3	-2.1	-2.1	0.1	1.4	3	3.8	4.6	5.3	5.5	4.6	2.2	-0.4	-2.2	-2.8	-1.2	-0.7	-1.1	-2.8	5.5	0.5
Oct 26	-0.9	-0.4	-0.6	-0.9	-1.1	-0.9	-0.9	-0.7	0	0.2	0.8	1.5	1.9	2.1	2.6	2.6	2.4	1.6	1.1	0.9	0.5	-0.7	-1.4	-1.5	-1.5	2.6	0.3
Oct 27	-2.1	-1.9	-1.6	-1.2	-0.7	-0.2	-0.2	0.1	-0.2	-0.1	0.1	0.8	0.8	1.2	1.7	2.7	3.1	1.1	-0.8	-1.6	-0.7	0.5	0.8	1	-2.1	3.1	0.1
Oct 28	1.1	0.8	0.6	0.4	0.2	-0.3	-0.8	-1.1	-1.4	-1	0	-0.1	0	0	-0.1	-0.1	-0.2	-0.7	-0.6	-1	-1.7	-2.4	-3.3	-3.4	-3.4	1.1	-0.6
Oct 29	-3.6	-3.8	-4.9	-6.3	-7.4	-8.1	-8.5	-8.4	-7.3	-5.1	-3.8	-2.3	-0.8	0.4	1.3	1.8	1.6	-0.1	-1.3	-0.9	-0.8	-0.9	-1.8	-2.3	-8.5	1.8	-3.1
Oct 30	-1.1	-0.5	-0.5	-0.9	-1.6	-1.5	-1.8	-2.7	-3.4	-2.5	-1.5	-0.6	0	0.3	0.6	0.4	-0.5	-1	-1.6	-2	-2.4	-3	-3.2	-3.3	-3.4	0.6	-1.4
Oct 31	-3.7	-4.2	-4.7	-4.4	-4.2	-3.8	-3.6	-3.8	-3.8	-3.6	-3.4	-2.9	-2.4	-2.1	-1.9	-2	-2	-2.1	-2.1	-2	-1.9	-1.9	-1.9	-2	-4.7	-1.9	-2.9
Diurnal Maximum	11.9	11.8	10.8	10.3	9.1	8.9	8.3	7.4	8.8	10.1	13.5	16.3	16.3	16.7	18.8	19.1	19.0	16.5	15.0	13.7	13.6	13.4	13.5	13.5			
Diurnal Average	2.4	2.0	1.5	1.2	1.0	0.8	0.7	0.7	1.3	2.5	3.7	4.9	5.9	6.6	7.1	7.2	7.0	6.0	4.8	4.0	3.6	3.2	2.9	2.5			

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

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

STATION TEMPERATURE (ST) in Degree Celsius

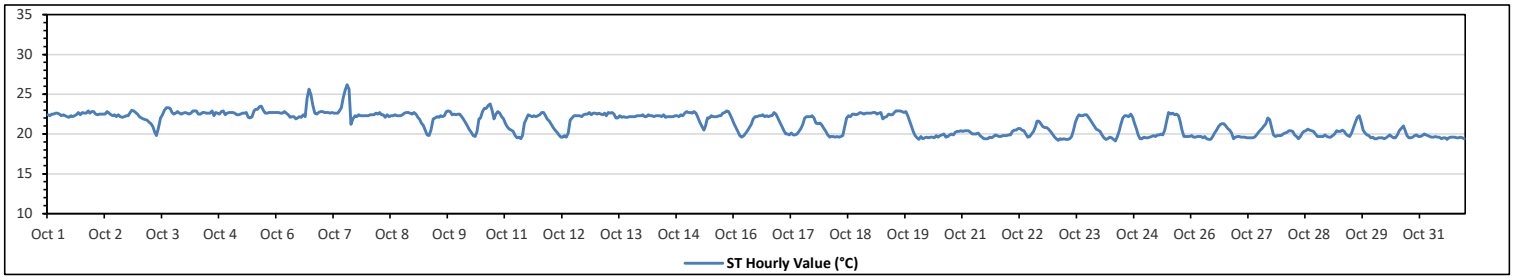
Maximum Hourly Value:	26.2	°C	on Oct 7 at hr 13	Hours in Service:	744	
Maximum Daily Value:	23.0	°C	on Oct 7	Hours of Data:	744	
Minimum Hourly Value:	19.1	°C	on Oct 24 at hr 8	Hours of Missing Data:	0	
Minimum Daily Value:	19.6	°C	on Oct 31	Hours of Calibration:	0	
Monthly Average:	21.4	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Oct 1	22.4	22.3	22.5	22.5	22.6	22.6	22.5	22.3	22.4	22.3	22.2	22.1	22.3	22.2	22.3	22.4	22.7	22.4	22.7	22.6	22.6	22.9	22.6	22.8	22.1	22.9	22.5
Oct 2	22.8	22.5	22.4	22.5	22.5	22.5	22.5	22.8	22.6	22.4	22.3	22.4	22.2	22.4	22.2	22.1	22.2	22.3	22.3	22.7	23.0	22.9	22.7	22.5	22.1	23.0	22.5
Oct 3	22.2	22.0	21.9	21.8	21.7	21.5	21.3	20.9	20.2	19.8	20.7	22.0	22.4	23.0	23.3	23.3	23.2	22.7	22.5	22.6	22.8	22.6	22.5	22.6	19.8	23.3	22.1
Oct 4	22.7	22.6	22.5	22.6	22.9	22.9	22.9	22.5	22.5	22.7	22.7	22.6	22.6	22.6	22.9	22.3	22.7	22.6	22.5	22.8	22.9	22.4	22.6	22.7	22.3	22.9	22.7
Oct 5	22.7	22.7	22.6	22.4	22.4	22.5	22.6	22.6	22.7	22.1	22.0	22.2	22.9	23.1	23.1	23.4	23.5	23.0	22.6	22.6	22.7	22.7	22.7	22.7	22.0	23.5	22.7
Oct 6	22.7	22.7	22.6	22.6	22.8	22.6	22.4	22.1	22.2	22.2	21.9	22.0	22.2	22.1	22.4	22.2	24.5	25.6	24.9	23.6	22.6	22.5	22.7	22.8	21.9	25.6	22.8
Oct 7	22.8	22.7	22.7	22.7	22.6	22.7	22.6	22.6	22.6	22.9	23.3	24.6	25.5	**26.2**	25.6	21.2	21.9	22.3	22.2	22.4	22.3	22.3	22.3	22.3	21.2	**26.2**	**23.0**
Oct 8	22.3	22.4	22.4	22.4	22.6	22.5	22.7	22.4	22.4	22.1	22.4	22.2	22.3	22.3	22.4	22.3	22.3	22.3	22.4	22.6	22.7	22.7	22.6	22.5	22.1	22.7	22.4
Oct 9	22.7	22.5	22.1	21.8	21.4	21.1	20.5	19.9	19.8	20.5	21.9	22.0	22.2	22.1	22.3	22.2	22.3	22.8	22.9	22.8	22.4	22.5	22.4	22.5	19.8	22.9	21.9
Oct 10	22.5	22.2	21.9	21.5	21.1	20.6	20.2	19.8	19.7	20.3	21.9	22.0	22.8	23.2	23.2	23.6	23.8	23.0	21.9	22.5	22.8	22.6	22.2	21.9	19.7	23.8	22.0
Oct 11	21.4	20.9	20.6	20.5	20.3	19.8	19.5	19.6	19.4	19.8	21.4	21.9	22.4	22.3	22.2	22.3	22.2	22.3	22.4	22.7	22.7	22.3	21.9	21.6	19.4	22.7	21.4
Oct 12	21.2	20.8	20.5	20.2	19.9	19.6	19.6	19.8	19.6	20.1	21.7	22.0	22.3	22.3	22.3	22.3	22.2	22.4	22.5	22.5	22.7	22.4	22.6	22.6	19.6	22.7	21.4
Oct 13	22.5	22.6	22.5	22.4	22.6	22.3	22.7	22.6	22.7	22.5	22.0	22.0	22.3	22.1	22.2	22.1	22.1	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.0	22.7	22.3
Oct 14	22.4	22.2	22.2	22.4	22.3	22.3	22.2	22.3	22.3	22.3	22.2	22.4	22.1	22.2	22.2	22.2	22.2	22.3	22.3	22.2	22.4	22.3	22.6	22.8	22.1	22.8	22.3
Oct 15	22.7	22.7	22.6	22.8	22.6	22.1	21.5	21.0	20.5	21.0	22.0	22.0	22.3	22.2	22.2	22.2	22.3	22.3	22.6	22.7	22.9	22.8	22.4	21.9	20.5	22.9	22.2
Oct 16	21.3	20.8	20.3	19.8	19.6	19.8	20.1	20.4	20.8	21.2	21.9	22.2	22.2	22.3	22.3	22.4	22.2	22.3	22.2	22.3	22.3	22.7	22.5	22.0	19.6	22.7	21.5
Oct 17	21.5	20.9	20.4	20.0	20.0	19.9	20.1	19.9	19.9	20.0	20.3	20.7	21.2	22.0	22.2	22.2	22.2	22.3	22.0	21.4	21.3	21.4	21.1	20.7	19.9	22.3	21.0
Oct 18	20.3	19.9	19.6	19.7	19.7	19.6	19.7	19.6	19.7	19.8	20.9	22.0	22.3	22.2	22.5	22.5	22.4	22.5	22.7	22.6	22.5	22.6	22.6	22.6	19.6	22.7	21.3
Oct 19	22.6	22.7	22.7	22.5	22.6	22.7	21.9	22.1	22.2	22.5	22.4	22.4	22.7	22.9	22.9	22.9	22.8	22.7	22.8	22.3	21.6	20.9	20.3	19.8	19.8	22.9	22.2
Oct 20	19.5	19.3	19.7	19.4	19.5	19.6	19.5	19.6	19.6	19.5	19.8	19.6	19.8	19.9	20.0	19.6	19.7	19.9	20.0	19.9	20.2	20.3	20.3	20.4	19.3	20.4	19.8
Oct 21	20.3	20.4	20.4	20.4	20.2	20.0	20.0	20.0	20.1	19.8	19.6	19.4	19.4	19.4	19.6	19.5	19.7	19.9	19.8	19.7	19.7	19.8	19.8	19.8	19.4	20.4	19.9
Oct 22	19.9	19.9	20.3	20.5	20.5	20.7	20.7	20.5	20.4	20.0	19.6	19.7	20.0	20.3	20.9	21.6	21.6	21.3	20.9	20.8	20.8	20.6	20.3	20.0	19.6	21.6	20.5
Oct 23	19.6	19.4	19.2	19.4	19.3	19.4	19.3	19.3	19.4	19.7	20.5	21.5	22.1	22.4	22.3	22.3	22.4	22.4	22.1	21.7	21.3	20.9	20.6	20.5	19.2	22.4	20.7
Oct 24	20.3	19.9	19.5	19.3	19.4	19.6	19.5	19.3	**19.1**	19.7	20.4	21.2	22.0	22.3	22.3	22.2	22.5	22.1	21.3	20.6	19.9	19.4	19.4	19.6	**19.1**	22.5	20.5
Oct 25	19.5	19.5	19.6	19.7	19.8	19.7	19.9	19.9	20.0	19.9	20.5	21.6	22.7	22.5	22.6	22.4	22.5	22.3	21.6	20.5	19.7	19.7	19.7	19.7	19.5	22.7	20.6
Oct 26	19.8	19.6	19.6	19.7	19.7	19.7	19.5	19.7	19.4	19.3	19.3	19.7	20.1	20.5	20.9	21.2	21.3	21.3	21.0	20.7	20.5	20.1	19.4	19.6	19.3	21.3	20.1
Oct 27	19.7	19.7	19.6	19.6	19.6	19.5	19.5	19.5	19.5	19.6	19.9	20.2	20.5	20.7	21.0	21.3	22.0	21.8	20.8	19.9	19.7	19.8	19.8	19.8	19.5	22.0	20.1
Oct 28	20.0	20.1	20.2	20.4	20.4	20.3	19.9	19.7	19.4	19.7	20.1	20.3	20.4	20.6	20.5	20.4	20.3	20.0	19.7	19.7	19.7	19.7	19.9	19.7	19.4	20.6	20.0
Oct 29	19.6	19.6	19.8	20.0	20.4	20.3	20.3	20.5	20.3	20.0	19.8	19.7	20.1	20.8	21.5	22.1	22.3	21.5	20.5	20.1	19.9	19.8	19.5	19.6	19.5	22.3	20.3
Oct 30	19.4	19.4	19.5	19.5	19.5	19.4	19.5	19.7	19.9	19.7	19.5	19.5	19.9	20.4	20.7	21.0	20.5	19.8	19.5	19.5	19.6	19.8	19.9	19.7	19.4	21.0	19.8
Oct 31	19.7	19.8	20.0	19.9	19.8	19.7	19.6	19.6	19.7	19.6	19.6	19.4	19.5	19.5	19.3	19.5	19.6	19.6	19.6	19.5	19.5	19.6	19.5	19.4	19.3	20.0	**19.6**
Diurnal Maximum	22.8	22.7	22.7	22.8	22.9	22.9	22.9	22.8	22.7	22.9	23.3	24.6	25.5	26.2	25.6	23.6	24.5	25.6	24.9	23.6	23.0	22.9	22.7	22.8			
Diurnal Average	21.3	21.1	21.0	21.0	21.0	20.9	20.8	20.7	20.7	20.7	21.1	21.4	21.7	21.9	22.0	21.9	22.1	22.0	21.8	21.6	21.5	21.5	21.3	21.3			

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 - October 2024

Summary of Hourly Averages

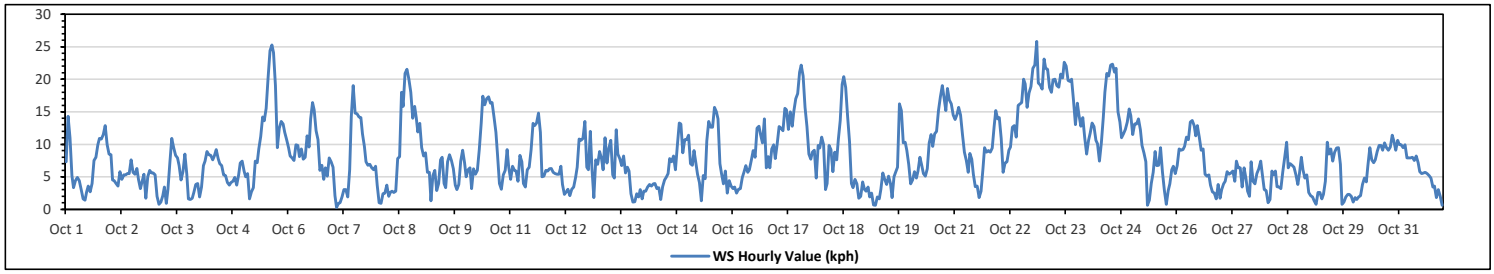
VECTOR WIND SPEED (VWS) in km/hr

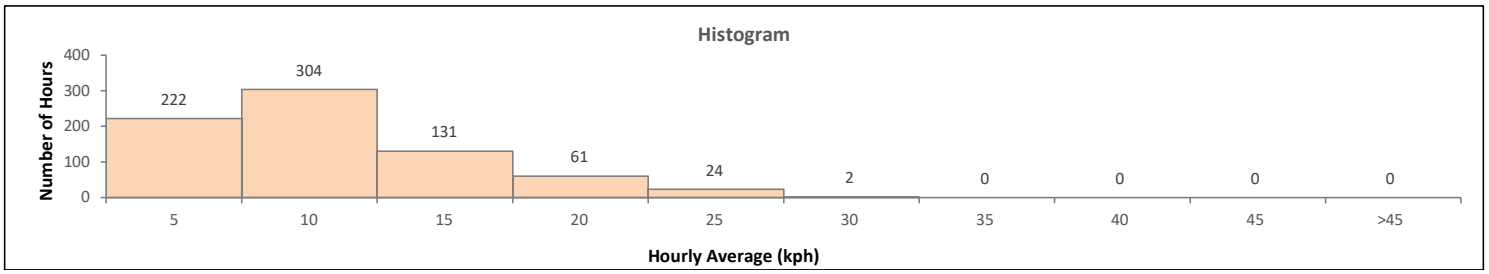
Maximum Hourly Value:	25.8	kph	on Oct 22 at hr 20	Hours in Service:	744	
Maximum Daily Value:	18.0	kph	on Oct 23	Hours of Data:	744	
Minimum Hourly Value:	0.3	kph	on Oct 7 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	4.2	kph	on Oct 29	Hours of Calibration:	0	
Monthly Average:	8.2	kph		Operational 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			
Oct 1	7.3	14.3	11.0	5.2	3.3	4.4	4.9	4.4	3.0	1.6	1.4	2.7	3.6	2.7	4.0	7.5	8.0	9.9	10.9	10.8	11.5	12.9	10.0	8.5	1.4	14.3	6.8
Oct 2	8.4	4.5	4.4	4.0	3.6	5.8	4.6	5.3	5.3	5.5	5.5	7.6	5.7	5.4	6.3	4.6	3.2	4.2	5.4	1.7	5.0	6.0	5.6	5.6	1.7	8.4	5.1
Oct 3	5.3	2.0	0.8	1.1	2.1	3.4	0.9	3.0	7.1	10.9	9.5	8.3	7.9	6.7	4.5	5.8	8.5	5.4	1.6	1.5	1.7	2.6	3.8	4.0	0.8	10.9	4.5
Oct 4	1.9	3.4	6.7	7.4	8.9	8.4	8.3	7.6	8.2	9.2	7.8	7.0	6.7	5.3	5.2	4.1	3.7	4.1	4.3	4.9	3.7	5.3	7.1	7.4	1.9	9.2	6.1
Oct 5	5.9	5.0	5.5	1.6	2.7	3.3	7.4	7.2	9.3	11.2	14.2	13.6	15.5	20.2	24.4	25.3	24.1	19.0	9.5	12.5	13.5	13.1	11.8	10.7	1.6	25.3	11.9
Oct 6	9.5	8.2	7.9	7.5	9.9	9.8	8.1	9.3	7.7	8.0	11.3	9.6	13.9	16.4	15.3	12.1	10.7	6.0	6.8	4.6	6.4	5.1	7.9	7.3	4.6	16.4	9.1
Oct 7	6.5	2.1	**0.3**	0.9	1.0	1.9	3.0	3.0	1.9	6.1	14.2	19.0	14.8	14.7	14.2	14.1	11.6	9.7	7.3	6.8	6.9	6.4	6.1	6.6	**0.3**	19.0	7.5
Oct 8	3.7	1.0	0.9	2.4	2.5	3.7	2.0	2.6	2.8	2.6	2.8	7.8	8.1	18.0	15.8	20.9	21.5	20.0	18.0	14.0	15.8	14.1	11.9	13.2	0.9	21.5	9.4
Oct 9	9.5	8.2	8.7	5.7	5.7	1.3	5.2	6.0	2.9	4.0	7.6	8.0	4.0	3.3	7.3	8.4	7.5	6.2	3.7	3.0	3.8	7.4	9.1	7.2	1.3	9.5	6.0
Oct 10	5.0	6.1	6.4	3.2	6.2	5.4	6.0	9.2	13.2	17.4	16.1	17.0	17.3	16.3	16.4	14.2	11.8	8.4	4.0	3.1	5.3	6.0	9.2	6.5	3.1	17.4	9.6
Oct 11	4.6	6.6	6.0	5.9	4.3	8.3	7.3	4.0	3.4	6.1	6.5	9.2	13.2	12.9	13.3	14.8	11.8	5.0	5.1	6.0	5.9	6.2	6.3	5.7	3.4	14.8	7.4
Oct 12	5.5	5.4	5.4	6.6	3.8	2.3	2.7	3.1	2.1	3.1	3.4	4.9	6.5	10.8	10.6	10.9	13.5	6.5	6.1	12.0	6.4	1.8	7.6	6.9	1.8	13.5	6.2
Oct 13	8.9	7.8	6.1	11.0	7.1	9.4	10.6	5.3	4.8	12.2	8.5	7.8	6.7	8.2	5.6	6.5	5.9	2.4	1.1	1.2	2.4	1.9	3.0	1.6	1.1	12.2	6.1
Oct 14	2.8	2.8	3.4	3.8	3.6	3.9	4.0	3.2	3.3	1.5	3.5	4.5	4.9	5.5	7.8	7.3	8.2	6.1	9.8	13.3	13.1	8.7	10.7	10.7	1.5	13.3	6.1
Oct 15	11.4	7.0	6.8	9.0	7.4	5.4	4.1	1.3	5.2	4.7	10.5	13.5	12.6	12.6	15.7	15.0	13.9	7.0	5.5	3.9	5.9	2.5	4.4	3.6	1.3	15.7	7.9
Oct 16	3.2	3.4	2.5	3.1	3.2	4.9	5.7	6.7	5.7	6.1	7.5	9.0	8.0	12.5	12.8	11.5	10.2	13.9	6.4	8.1	6.4	9.3	9.9	7.8	2.5	13.9	7.4
Oct 17	10.1	12.7	12.5	12.1	15.5	15.3	12.3	15.0	12.8	15.1	17.0	17.8	21.1	22.2	20.5	15.7	12.7	8.5	7.7	8.8	9.1	4.8	9.8	9.4	4.8	22.2	13.3
Oct 18	11.1	9.9	3.0	4.0	9.8	9.2	5.8	8.8	7.6	10.7	13.7	19.2	20.4	18.7	14.3	10.4	4.0	3.3	4.6	3.9	1.7	2.0	4.2	3.0	1.7	20.4	8.5
Oct 19	2.8	3.4	1.9	2.5	0.7	0.6	1.9	1.6	3.1	5.6	4.6	3.8	5.1	4.0	1.8	5.0	5.7	6.5	16.2	15.2	10.2	10.3	9.1	6.9	0.6	16.2	5.4
Oct 20	3.9	4.5	5.8	4.8	5.9	8.0	6.9	5.5	5.1	6.2	10.2	11.5	9.7	11.6	12.0	15.2	17.3	19.0	17.3	15.2	18.6	16.8	16.2	14.5	3.9	19.0	10.9
Oct 21	13.8	14.6	15.7	14.5	11.5	8.8	7.5	5.7	8.6	7.7	5.4	3.5	3.6	1.8	2.8	6.2	9.5	8.8	9.0	8.8	9.4	12.8	15.2	13.9	1.8	15.7	9.1
Oct 22	14.1	10.9	5.7	7.1	7.3	9.1	9.6	12.6	12.9	11.1	16.0	16.2	16.4	20.0	19.3	15.7	17.9	18.9	21.7	22.2	**25.8**	19.4	19.1	18.5	5.7	**25.8**	15.3
Oct 23	23.1	21.7	21.5	18.7	18.0	19.9	20.0	19.0	18.8	20.8	20.2	22.6	22.0	19.8	19.7	20.0	16.7	13.0	16.3	14.5	12.8	14.1	11.0	8.5	8.5	23.1	**18.0**
Oct 24	10.6	11.7	13.3	12.7	10.6	10.1	7.4	10.2	14.1	18.0	20.9	20.5	22.2	22.3	21.1	21.7	15.0	13.4	11.0	11.6	12.3	13.4	15.4	14.4	7.4	22.3	14.7
Oct 25	11.5	13.1	13.1	13.9	12.2	9.8	8.7	7.3	0.6	1.4	4.0	5.7	8.9	6.7	6.8	9.5	5.7	2.9	0.8	2.9	3.9	6.1	6.6	5.5	0.6	13.9	7.0
Oct 26	6.7	9.3	9.1	9.2	9.7	11.1	10.7	13.4	13.7	12.9	11.3	12.9	11.1	9.1	9.3	5.4	5.1	5.3	3.7	2.7	2.5	1.6	3.8	1.7	1.6	13.7	8.0
Oct 27	3.0	3.9	4.3	5.8	5.4	5.6	5.9	4.3	7.4	6.4	6.4	3.4	6.4	4.7	2.8	2.0	7.3	4.3	3.9	5.5	6.2	7.4	5.4	3.0	2.0	7.4	5.0
Oct 28	2.9	1.0	1.5	5.9	5.3	5.9	3.5	3.4	3.2	5.8	8.0	10.3	6.4	7.0	6.8	6.5	5.3	3.8	5.5	8.0	6.1	4.8	5.3	2.6	1.0	10.3	5.2
Oct 29	2.1	1.9	1.3	0.8	2.6	2.6	1.6	2.3	4.3	10.3	8.5	9.3	7.4	8.8	9.4	9.5	6.9	0.8	1.1	1.9	2.3	2.3	2.0	1.1	0.8	10.3	**4.2**
Oct 30	1.8	1.5	1.9	2.1	3.8	4.8	4.2	6.8	9.5	7.6	7.2	7.6	8.9	9.8	9.8	9.1	10.2	9.5	9.1	9.6	11.4	10.5	9.1	10.6	1.5	11.4	7.4
Oct 31	10.0	9.9	9.5	9.9	7.9	7.9	7.9	8.0	7.5	8.2	7.2	5.8	5.5	5.6	5.7	5.5	5.2	4.8	3.4	3.6	1.8	3.0	2.0	0.6	0.6	10.0	6.1
Diurnal Maximum	23.1	21.7	21.5	18.7	18.0	19.9	20.0	19.0	18.8	20.8	20.9	22.6	22.2	22.3	24.4	25.3	24.1	20.0	21.7	22.2	25.8	19.4	19.1	18.5			
Diurnal Average	7.3	7.0	6.5	6.5	6.5	6.8	6.4	6.6	6.9	8.3	9.4	10.3	10.5	11.1	11.0	11.0	10.3	8.3	7.6	7.8	8.0	7.7	8.3	7.3			

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.



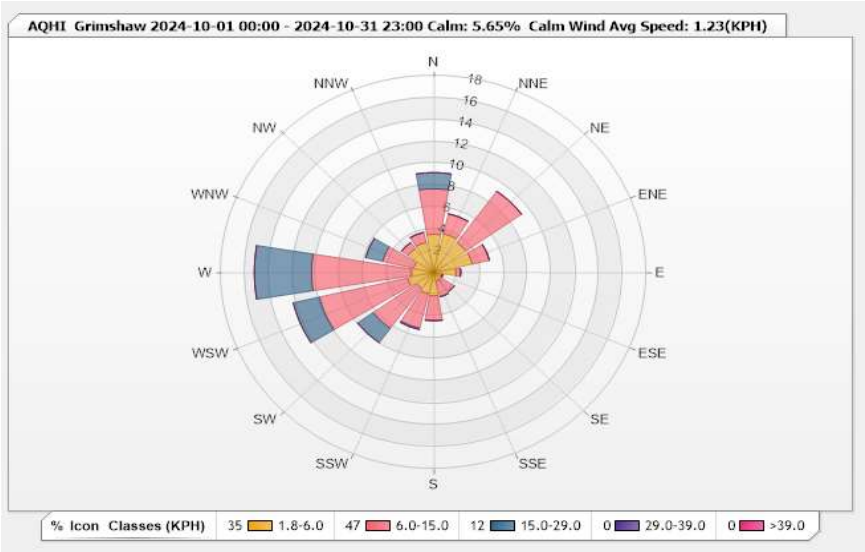


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 10-2024

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

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

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	3.49	4.17	1.48	0	0	9.14
NNE	3.63	1.88	0	0	0	5.51
NE	3.36	5.78	0	0	0	9.14
ENE	3.36	1.48	0	0	0	4.84
E	1.88	0.4	0	0	0	2.28
ESE	0.67	0.13	0	0	0	0.8
SE	0.81	1.34	0	0	0	2.15
SSE	0.81	1.48	0	0	0	2.29
S	2.15	2.28	0	0	0	4.43
SSW	2.02	3.23	0.13	0	0	5.38
SW	1.75	4.57	1.61	0	0	7.93
WSW	2.28	7.66	2.28	0	0	12.22
W	1.88	8.47	4.84	0	0	15.19
WNW	1.75	2.69	1.48	0	0	5.92
NW	2.69	0.67	0	0	0	3.36
NNW	2.82	0.94	0	0	0	3.76
Summary	35.35	47.17	11.82	0	0	94.34



Peace River Area Monitoring Program

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

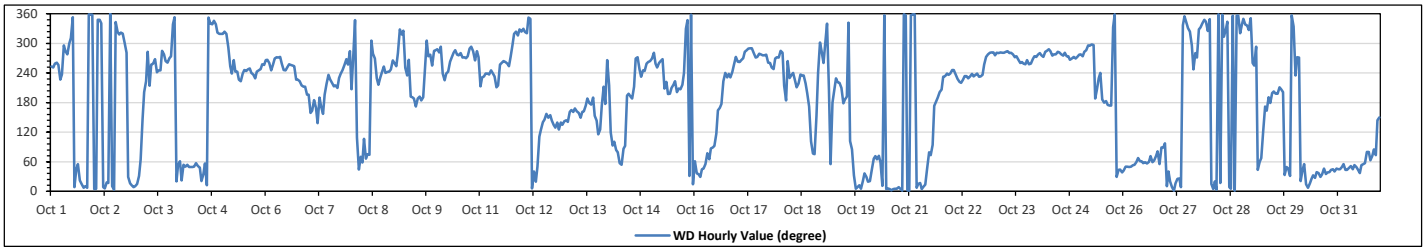
WIND DIRECTION (VWD) in sector

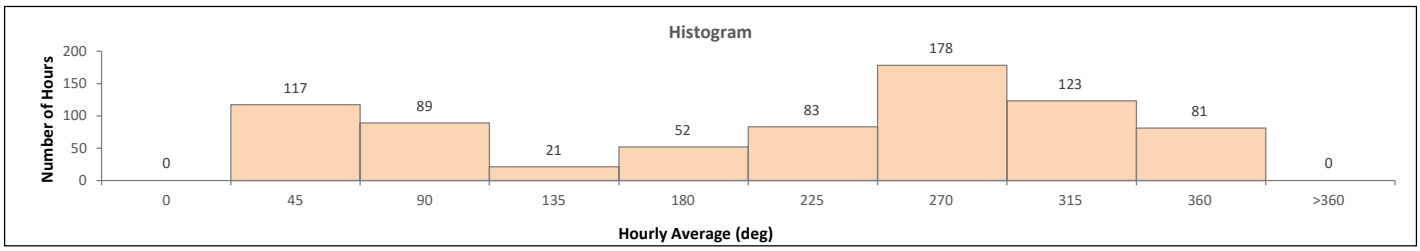
Monthly Average:	286 (WNW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Oct 1	WSW	WSW	WSW	W	WSW	SW	SW	WNW	WNW	W	WNW	NW	N	N	NE	NE	NNE	NNE	N	N	N	N	N	N	322	NW
Oct 2	N	N	NNW	NNW	NNW	N	N	NNE	NNE	N	N	N	NNW	NW	NW	NW	NW	WNW	W	NNE	NNE	NNE	N	N	352	N
Oct 3	NNE	NNE	ENE	SE	SSW	SW	W	SSW	WSW	WSW	W	WSW	WSW	WSW	WNW	W	W	W	W	W	NNW	N	NNE	NE	275	W
Oct 4	ENE	NNE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NE	NNE	NE	NE	NNE	N	NNW	NNW	NNW	NNW	NW	NW	NW	23	NNE
Oct 5	NW	NW	NW	WNW	WSW	WSW	W	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	254	WSW
Oct 6	W	W	WSW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SSW	SSW	SSW	SSW	247	WSW
Oct 7	SSW	SSE	SSE	S	SSE	SE	S	S	SSE	SSW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WNW	210	SSW
Oct 8	SSW	W	NNW	ESE	NE	ENE	ENE	ESE	ENE	ENE	ENE	NW	W	W	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	252	WSW
Oct 9	WSW	WSW	W	NNW	NW	NW	WSW	SW	W	S	S	S	S	S	S	S	S	WSW	NW	W	W	WSW	WNW	WNW	248	WSW
Oct 10	WNW	W	WNW	WSW	SW	WSW	WSW	W	W	W	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	W	WNW	W	272	W
Oct 11	SSW	SW	SW	WSW	WSW	SW	WSW	WSW	SW	SSW	SSW	WSW	WSW	W	W	WSW	WSW	W	WNW	NW	NW	NW	NNW	NW	260	WSW
Oct 12	NNW	NW	NW	N	N	N	NE	NNE	NE	ESE	SE	SE	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	108	ESE
Oct 13	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSE	SE	ESE	SE	S	SSW	S	W	165	SSE
Oct 14	SSW	ESE	E	E	E	ENE	ENE	NE	E	E	SSW	SSW	S	S	SSW	W	W	WSW	SW	WSW	WSW	WSW	W	W	196	SSW
Oct 15	W	W	WSW	WSW	WSW	W	W	SSW	SW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SW	WSW	NNW	NNW	NNE	N	NNE	246	WSW
Oct 16	ENE	NE	NE	NNE	NE	NE	NE	ENE	ENE	E	E	E	ESE	SSE	SSE	S	SW	WSW	SW	SW	WSW	WSW	WSW	W	109	ESE
Oct 17	W	W	W	W	W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	W	W	W	273	W
Oct 18	WNW	W	SSW	S	W	SW	SW	WSW	SW	SSW	SW	SW	SW	SW	SW	SSW	S	E	ENE	ENE	SSE	WSW	WNW	WNW	226	SW
Oct 19	WSW	WNW	NNW	SSW	NE	S	SSW	SW	SW	SW	SSW	S	S	S	NNW	E	E	N	NNE	N	NNE	N	NNE	NE	288	WNW
Oct 20	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	20	NNE
Oct 21	N	N	N	N	N	NNE	NNE	N	N	NNE	NE	ENE	ENE	E	S	S	S	SSW	SSW	SW	SW	WSW	SW	WSW	355	N
Oct 22	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	WSW	W	W	W	W	W	244	WSW
Oct 23	W	W	W	W	W	W	W	WNW	W	W	W	W	W	W	WSW	W	WSW	WSW	W	WSW	WSW	W	W	W	272	W
Oct 24	W	W	W	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	277	W
Oct 25	W	W	W	WNW	WNW	WNW	WNW	WNW	S	SSW	SW	WSW	S	S	S	S	S	S	NNW	N	NNE	NE	NE	NE	259	WSW
Oct 26	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	E	NE	E	E	E	62	ENE
Oct 27	N	NE	NNE	N	N	NNE	NNE	NNE	N	NNW	N	NNW	NNW	NW	WNW	WSW	W	W	NNW	NNW	NNW	NNW	NNW	NW	344	NNW
Oct 28	NNW	NNE	N	NNE	N	N	NNE	N	NW	NW	NNW	N	N	N	N	N	N	NW	NNW	N	NNW	NNW	NW	N	351	N
Oct 29	WSW	WSW	WNW	NE	ENE	ENE	ESE	S	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NNE	NE	NE	NNE	N	NNW	179	S
Oct 30	SW	W	W	NNE	NE	NE	NNE	N	NNE	NNE	NNE	NNE	NE	NE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	28	NNE
Oct 31	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	E	E	E	ENE	ENE	E	ENE	SE	SSE	61	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

AQHI - Grimshaw Station - October 2024

Summary of Hourly Averages

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

WIND SPEED

Maximum Hourly Value:	25.8	kph	on Oct 22 at hr 20	Hours in Service:	744
Maximum Daily Value:	18.0	kph	on Oct 23	Hours of Data:	744
Minimum Hourly Value:	0.3	kph	on Oct 7 at hr 2	Hours of Missing Data:	0
Minimum Daily Value:	4.2	kph	on Oct 29	Hours of Calibration:	0
Monthly Average:	8.2	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 286 degree (WNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Oct 1	7.3	14.3	11.0	5.2	3.3	4.4	4.9	4.4	3.0	1.6	1.4	2.7	3.6	2.7	4.0	7.5	8.0	9.9	10.9	10.8	11.5	12.9	10.0	8.5	1.4	14.3	6.8
	WSW	WSW	WSW	W	WSW	SW	SW	WNW	WNW	W	WNW	NW	N	N	NE	NE	NNE	NNE	N	N	N	N	N	N			322(NW)
Oct 2	8.4	4.5	4.4	4.0	3.6	5.8	4.6	5.3	5.3	5.5	5.5	7.6	5.7	5.4	6.3	4.6	3.2	4.2	5.4	1.7	5.0	6.0	5.6	5.6	1.7	8.4	5.1
	N	N	NNW	NNW	NNW	N	N	NNE	NNE	N	N	N	NNW	NW	NW	NW	NW	WNW	W	NNE	NNE	NNE	N	N			352(N)
Oct 3	5.3	2.0	0.8	1.1	2.1	3.4	0.9	3.0	7.1	10.9	9.5	8.3	7.9	6.7	4.5	5.8	8.5	5.4	1.6	1.5	1.7	2.6	3.8	4.0	0.8	10.9	4.5
	NNE	NNE	ENE	SE	SSW	SW	W	SSW	WSW	WSW	W	WSW	WSW	WSW	WNW	W	W	W	W	W	NNW	N	NNE	NE			275(W)
Oct 4	1.9	3.4	6.7	7.4	8.9	8.4	8.3	7.6	8.2	9.2	7.8	7.0	6.7	5.3	5.2	4.1	3.7	4.1	4.3	4.9	3.7	5.3	7.1	7.4	1.9	9.2	6.1
	ENE	NNE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NE	NNE	NE	NE	NNE	N	NNW	NNW	NNW	NNW	NW	NW	NW			23(NNE)
Oct 5	5.9	5.0	5.5	1.6	2.7	3.3	7.4	7.2	9.3	11.2	14.2	13.6	15.5	20.2	24.4	25.3	24.1	19.0	9.5	12.5	13.5	13.1	11.8	10.7	1.6	25.3	11.9
	NW	NW	NW	WNW	WSW	WSW	W	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW			254(WSW)
Oct 6	9.5	8.2	7.9	7.5	9.9	9.8	8.1	9.3	7.7	8.0	11.3	9.6	13.9	16.4	15.3	12.1	10.7	6.0	6.8	4.6	6.4	5.1	7.9	7.3	4.6	16.4	9.1
	W	W	WSW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SSW	SSW	SSW	SSW			247(WSW)
Oct 7	6.5	2.1	**0.3**	0.9	1.0	1.9	3.0	3.0	1.9	6.1	14.2	19.0	14.8	14.7	14.2	14.1	11.6	9.7	7.3	6.8	6.9	6.4	6.1	6.6	**0.3**	19.0	7.5
	SSW	SSE	SSE	S	SSE	SE	S	S	SSE	SSW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW	WSW	WSW	W	WSW	WNW			210(SSW)
Oct 8	3.7	1.0	0.9	2.4	2.5	3.7	2.0	2.6	2.8	2.6	2.8	7.8	8.1	18.0	15.8	20.9	21.5	20.0	18.0	14.0	15.8	14.1	11.9	13.2	0.9	21.5	9.4
	SSW	W	NNW	ESE	NE	ENE	ENE	ESE	ENE	ENE	ENE	NW	W	W	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W			252(WSW)
Oct 9	9.5	8.2	8.7	5.7	5.7	1.3	5.2	6.0	2.9	4.0	7.6	8.0	4.0	3.3	7.3	8.4	7.5	6.2	3.7	3.0	3.8	7.4	9.1	7.2	1.3	9.5	6.0
	WSW	WSW	W	NNW	NW	NW	WSW	SW	W	S	S	S	S	S	S	S	S	WSW	NW	W	W	WSW	WNW	WNW			248(WSW)
Oct 10	5.0	6.1	6.4	3.2	6.2	5.4	6.0	9.2	13.2	17.4	16.1	17.0	17.3	16.3	16.4	14.2	11.8	8.4	4.0	3.1	5.3	6.0	9.2	6.5	3.1	17.4	9.6
	WNW	W	WNW	WSW	SW	WSW	WSW	W	W	W	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	W	WNW	W			272(W)
Oct 11	4.6	6.6	6.0	5.9	4.3	8.3	7.3	4.0	3.4	6.1	6.5	9.2	13.2	12.9	13.3	14.8	11.8	5.0	5.1	6.0	5.9	6.2	6.3	5.7	3.4	14.8	7.4
	SSW	SW	SW	WSW	WSW	SW	WSW	WSW	SW	SSW	SSW	WSW	WSW	W	W	WSW	WSW	W	WNW	NW	NW	NW	NNW	NW			260(WSW)
Oct 12	5.5	5.4	5.4	6.6	3.8	2.3	2.7	3.1	2.1	3.1	3.4	4.9	6.5	10.8	10.6	10.9	13.5	6.5	6.1	12.0	6.4	1.8	7.6	6.9	1.8	13.5	6.2
	NNW	NW	NW	N	N	N	NE	NNE	NE	ESE	SE	SE	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE			108(ESE)
Oct 13	8.9	7.8	6.1	11.0	7.1	9.4	10.6	5.3	4.8	12.2	8.5	7.8	6.7	8.2	5.6	6.5	5.9	2.4	1.1	1.2	2.4	1.9	3.0	1.6	1.1	12.2	6.1
	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSE	SE	ESE	SE	S	SSW	S	W			165(SSE)
Oct 14	2.8	2.8	3.4	3.8	3.6	3.9	4.0	3.2	3.3	1.5	3.5	4.5	4.9	5.5	7.8	7.3	8.2	6.1	9.8	13.3	13.1	8.7	10.7	10.7	1.5	13.3	6.1
	SSW	ESE	E	E	E	ENE	ENE	NE	E	E	SSW	SSW	S	S	SSW	W	W	WSW	SW	WSW	WSW	WSW	W	W			196(SSW)
Oct 15	11.4	7.0	6.8	9.0	7.4	5.4	4.1	1.3	5.2	4.7	10.5	13.5	12.6	12.6	15.7	15.0	13.9	7.0	5.5	3.9	5.9	2.5	4.4	3.6	1.3	15.7	7.9
	W	W	WSW	WSW	WSW	W	W	SSW	SW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SW	WSW	NNW	NNW	NNE	N	NNE			246(WSW)
Oct 16	3.2	3.4	2.5	3.1	3.2	4.9	5.7	6.7	5.7	6.1	7.5	9.0	8.0	12.5	12.8	11.5	10.2	13.9	6.4	8.1	6.4	9.3	9.9	7.8	2.5	13.9	7.4
	ENE	NE	NE	NNE	NE	NE	NE	ENE	ENE	E	E	E	ESE	SSE	SSE	S	SW	WSW	SW	SW	SW	WSW	WSW	W			109(ESE)
Oct 17	10.1	12.7	12.5	12.1	15.5	15.3	12.3	15.0	12.8	15.1	17.0	17.8	21.1	22.2	20.5	15.7	12.7	8.5	7.7	8.8	9.1	4.8	9.8	9.4	4.8	22.2	13.3
	W	W	W	W	W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	WSW	WSW	WSW	W	W	W			273(W)
Oct 18	11.1	9.9	3.0	4.0	9.8	9.2	5.8	8.8	7.6	10.7	13.7	19.2	20.4	18.7	14.3	10.4	4.0	3.3	4.6	3.9	1.7	2.0	4.2	3.0	1.7	20.4	8.5
	WNW	W	SSW	S	W	SW	SW	WSW	SW	SSW	SW	SW	SW	SW	SW	SSW	S	E	ENE	ENE	SSE	WSW	WNW	WNW			226(SW)
Oct 19	2.8	3.4	1.9	2.5	0.7	0.6	1.9	1.6	3.1	5.6	4.6	3.8	5.1	4.0	1.8	5.0	5.7	6.5	16.2	15.2	10.2	10.3	9.1	6.9	0.6	16.2	5.4
	WSW	WNW	NNW	SSW	NE	S	SSW	SW	SW	SW	SSW	S	S	S	NNW	E	E	NNE	N	N	NNE	N	NNE	NE			288(WNW)
Oct 20	3.9	4.5	5.8	4.8	5.9	8.0	6.9	5.5	5.1	6.2	10.2	11.5	9.7	11.6	12.0	15.2	17.3	19.0	17.3	15.2	18.6	16.8	16.2	14.5	3.9	19.0	10.9
	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	NNE	N	N	N	N	N	N	N	N	N	N	N	N	N	N			20(NNE)
Oct 21	13.8	14.6	15.7	14.5	11.5	8.8	7.5	5.7	8.6	7.7	5.4	3.5	3.6	1.8	2.8	6.2	9.5	8.8	9.0	8.8	9.4	12.8	15.2	13.9	1.8	15.7	9.1
	N	N	N	N	N	NNE	NNE	N	N	NNE	NE	ENE	ENE	E	S	S	S	SSW	SSW	SW	SW	WSW	SW	WSW			355(N)
Oct 22	14.1	10.9	5.7	7.1	7.3	9.1	9.6	12.6	12.9	11.1	16.0	16.2	16.4	20.0	19.3	15.7	17.9	18.9	21.7	22.2	**25.8**	19.4	19.1	18.5	5.7	**25.8**	15.3
	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	WSW	W	W	W	W	W			244(WSW)
Oct 23	23.1	21.7	21.5	18.7	18.0	19.9	20.0	19.0	18.8	20.8	20.2	22.6	22.0	19.8	19.7	20.0	16.7	13.0	16.3	14.5	12.8	14.1	11.0	8.5	8.5	23.1	**18.0**
	W	W	W	W	W	W	W	WNW	W	W	W	W	W	W	WSW	W	WSW	WSW	W	WSW	WSW	W	W	W			272(W)
Oct 24	10.6	11.7	13.3	12.7	10.6	10.1	7.4	10.2	14.1	18.0	20.9	20.5	22.2	22.3	21.1	21.7	15.0	13.4	11.0	11.6	12.3	13.4	15.4	14.4	7.4	22.3	14.7
	W	W	W	W	W	WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W			277(W)
Oct 25	11.5	13.1	13.1	13.9	12.2	9.8	8.7	7.3	0.6	1.4	4.0	5.7	8.9	6.7	6.8	9.5	5.7	2.9	0.8	2.9	3.9	6.1	6.6	5.5	0.6	13.9	7.0
	W	W	W	WNW	WNW	WNW	WNW	WNW	S	SSW	SW	WSW	S	S	S	S	S	S	NNW	N	NNE	NE	NE	NE			259(WSW)
Oct 26	6.7	9.3	9.1	9.2	9.7	11.1	10.7	13.4	13.7	12.9	11.3	12.9	11.1	9.1	9.3	5.4	5.1	5.3	3.7	2.7	2.5	1.6	3.8	1.7	1.6	13.7	8.0
	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	E	NE	E	E	E			62(ENE)
Oct 27	3.0	3.9	4.3	5.8	5.4	5.6	5.9	4.3	7.4	6.4	6.4	3.4	6.4	4.7	2.8	2.0	7.3	4.3	3.9	5.5	6.2	7.4	5.4	3.0	2.0	7.4	5.0
	N	NE	NNE	N	N	NNE	NNE	NNE	N	NNW	N	NNW	NNW	NW	WNW	WSW	W	W	NNW	NNW	NNW	NNW	NNW	NW			344(NNW)
Oct 28	2.9	1.0	1.5	5.9	5.3	5.9	3.5	3.4	3.2	5.8	8.0	10.3	6.4	7.0	6.8	6.5	5.3	3.8	5.5	8.0	6.1	4.8	5.3	2.6	1.0	10.3	5.2
	NNW	NNE	N	NNE	N	N	NNE	N	NW	NW	NNW	N	N	N	N	N	N	NW	NNW	N	NNW	NNW	NW	N			351(N)
Oct 29	2.1	1.9	1.3	0.8	2.6	2.6	1.6	2.3	4.3	10.3	8.5	9.3	7.4	8.8	9.4	9.5	6.9	0.8	1.1	1.9	2.3	2.3	2.0	1.1	0.8	10.3	**4.2**
	WSW	WSW	WNW	NE	ENE	ENE	ESE	S	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	NNE	NE	NE	NNE	N	NNW			179(S)
Oct 30	1.8	1.5	1.9	2.1	3.8	4.8	4.2	6.8	9.5	7.6	7.2	7.6	8.9	9.8	9.8	9.1	10.2	9.5	9.1	9.6	11.4	10.5	9.1	10.6	1.5	11.4	7.4
	SW	W	W	NNE	NE	NE	NNE	N	NNE	NNE	NNE	NNE	NE	NE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE			28(NNE)
Oct 31	10.0	9.9	9.5	9.9	7.9	7.9	7.9	8.0	7.5	8.2	7.2	5.8	5.5	5.6	5.7	5.5	5.2	4.8	3.4	3.6	1.8	3.0	2.0	0.6	0.6	10.0	6.1
	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	E	E	ENE	ENE	E	ENE	SE	SSE			61(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 (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, 151 of 151, ends the October 2024 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202410-01561

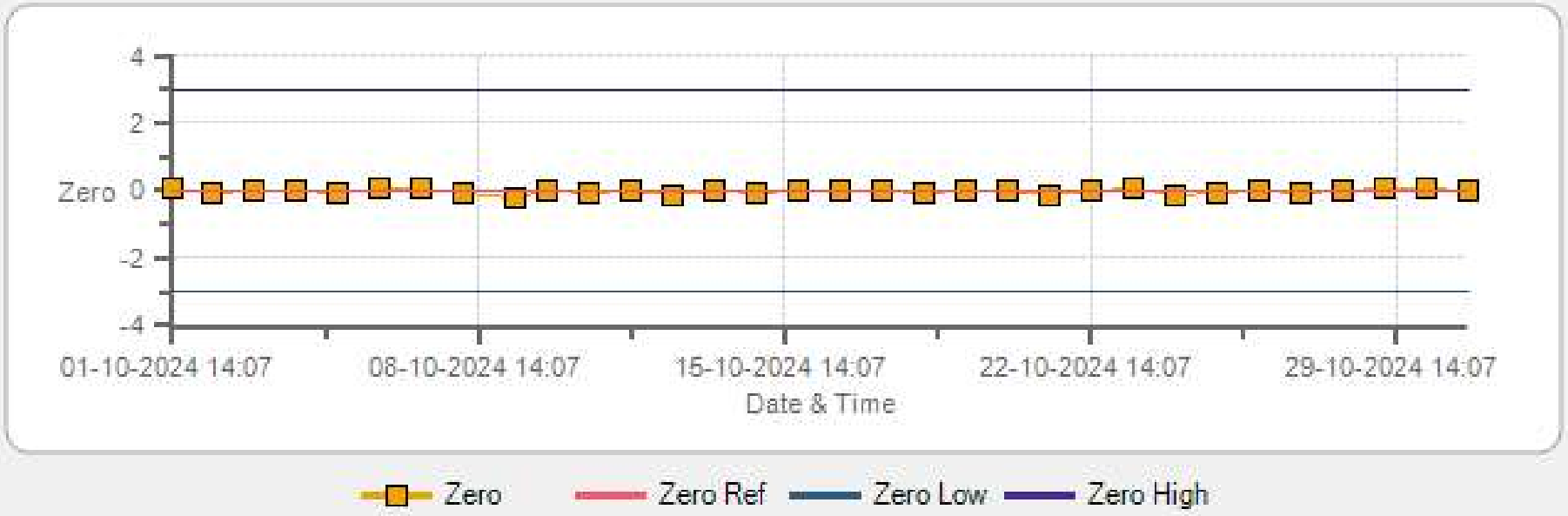
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

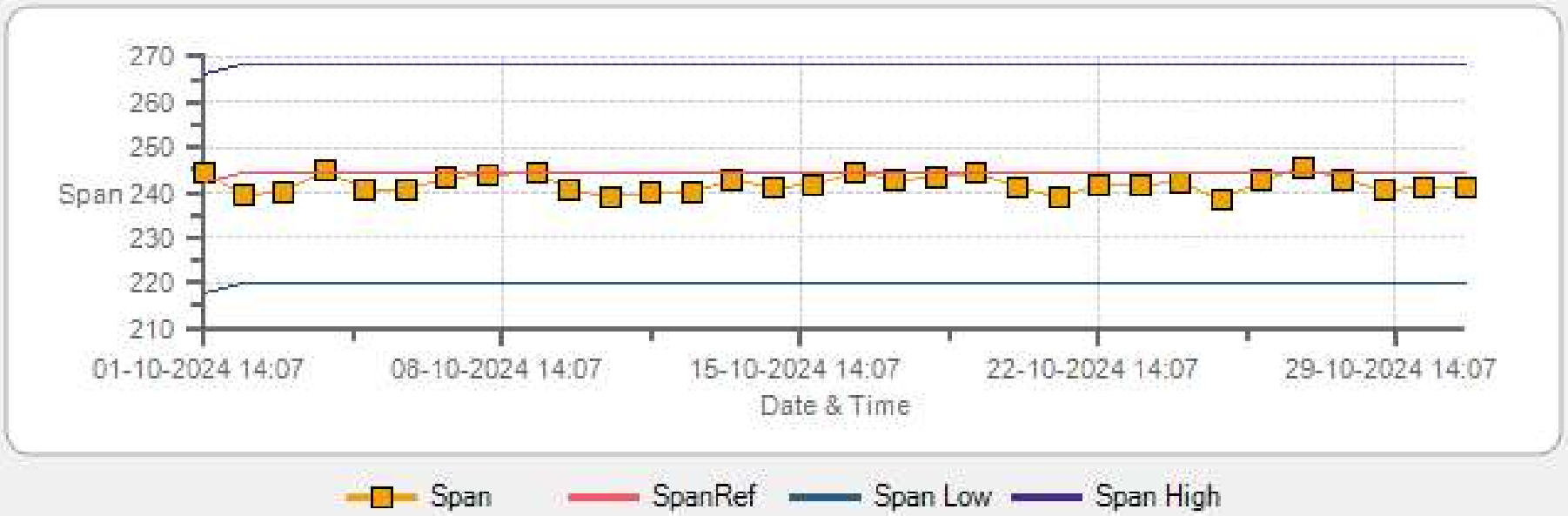
November 21, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

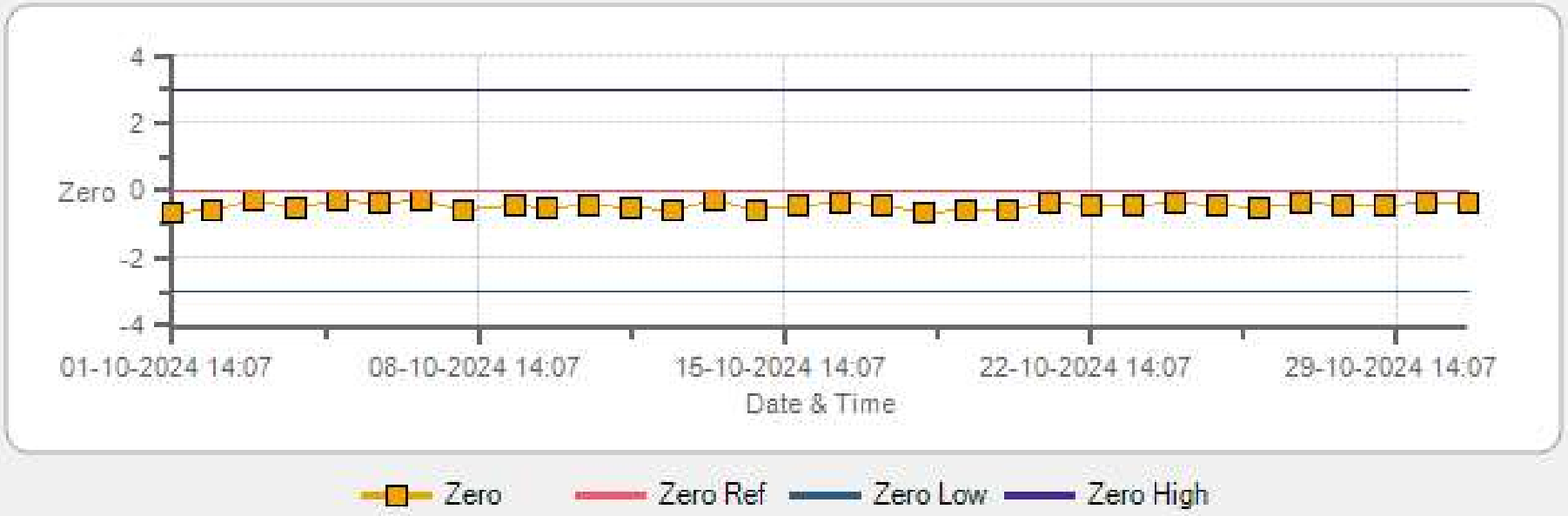
SO2[ppb] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Zero



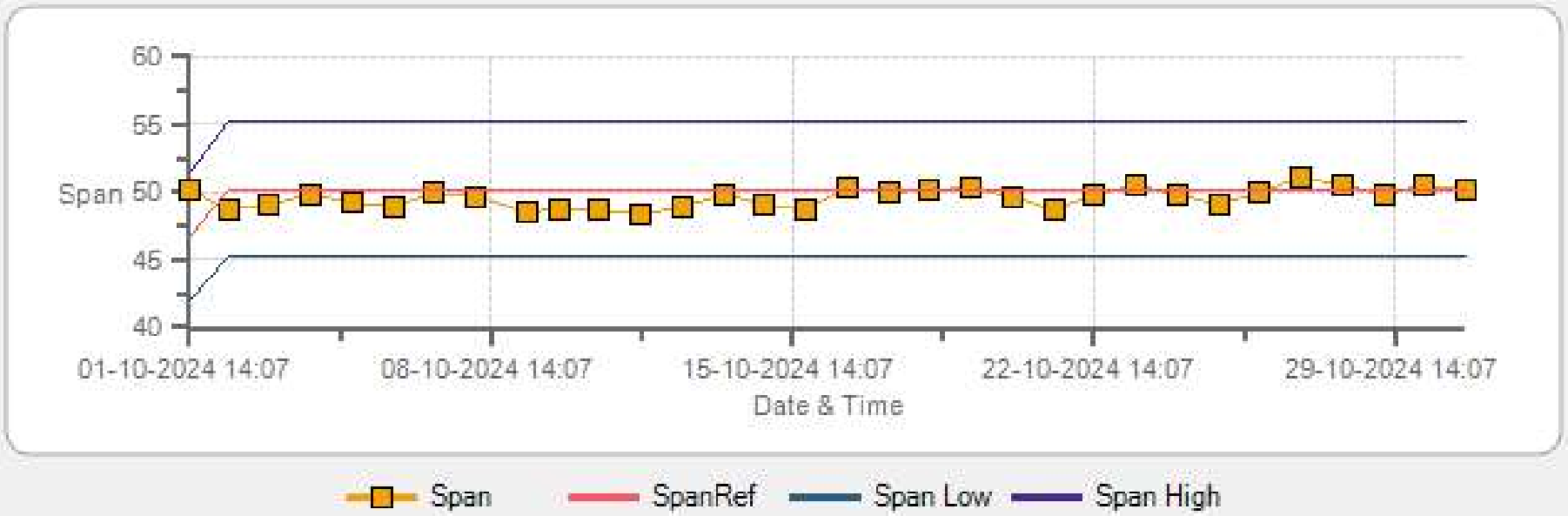
SO2[ppb] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Span



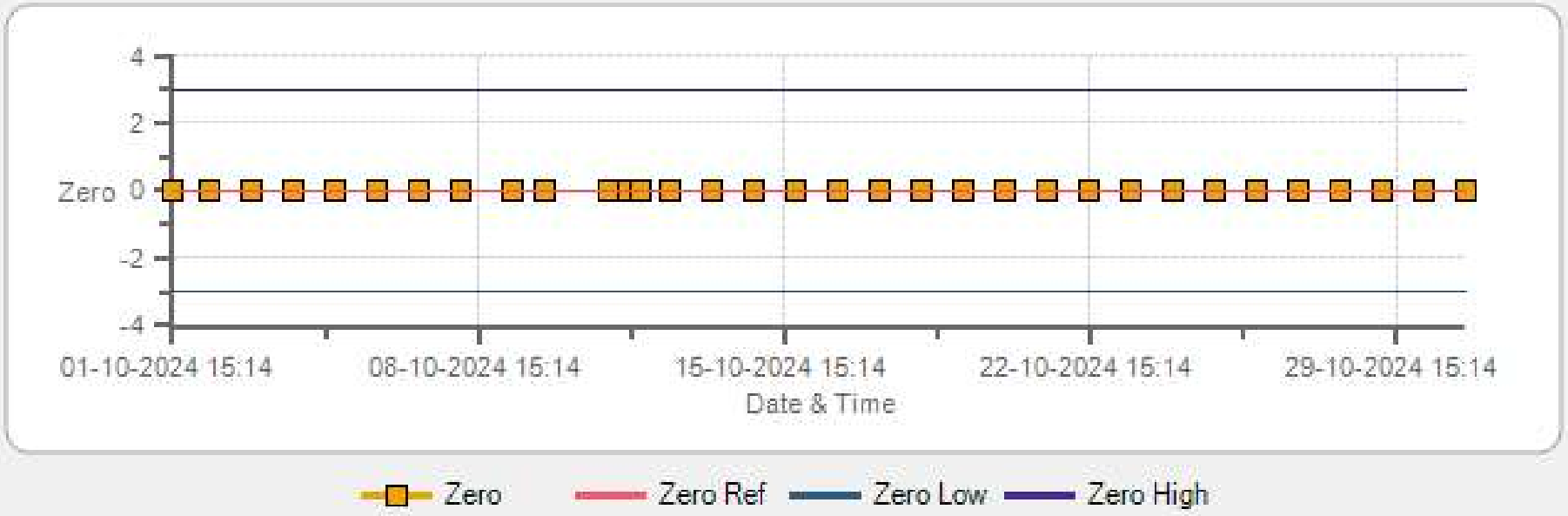
TRS[ppb] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Zero



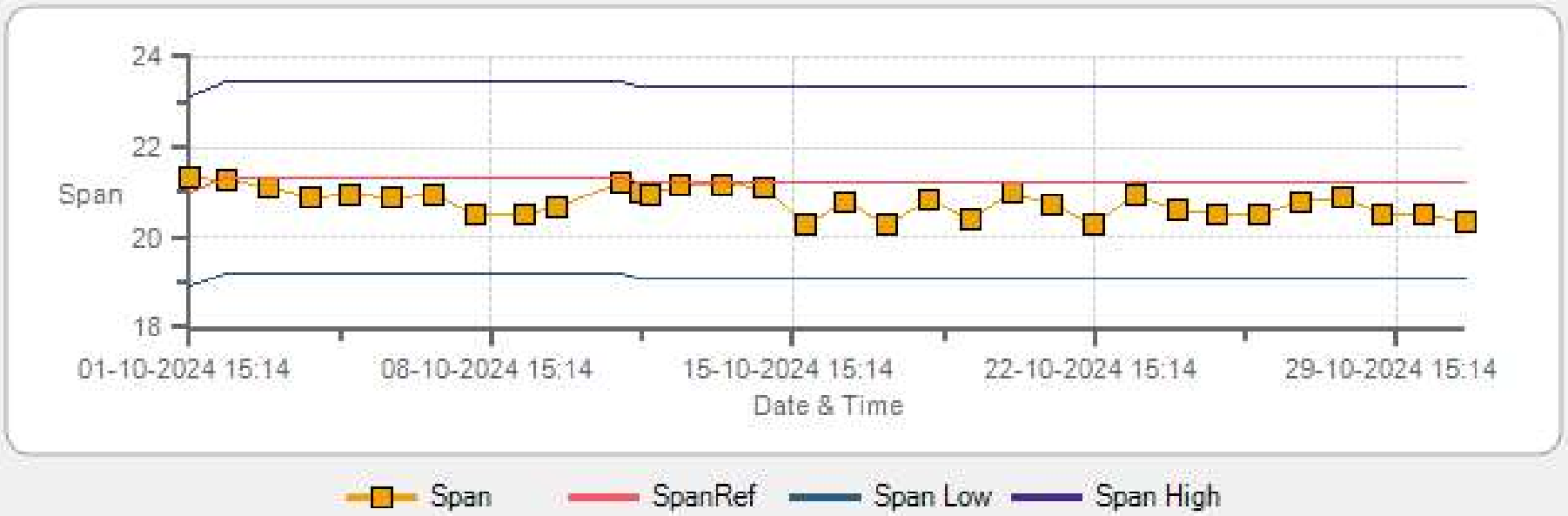
TRS[ppb] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Span



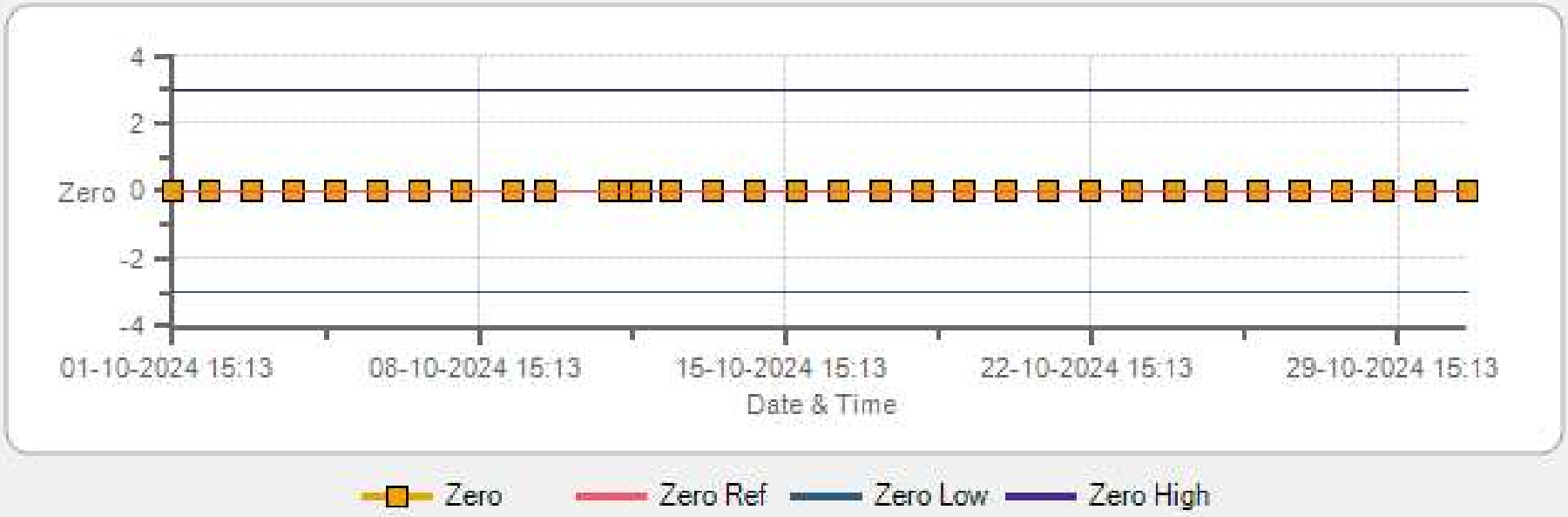
THC55[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Zero



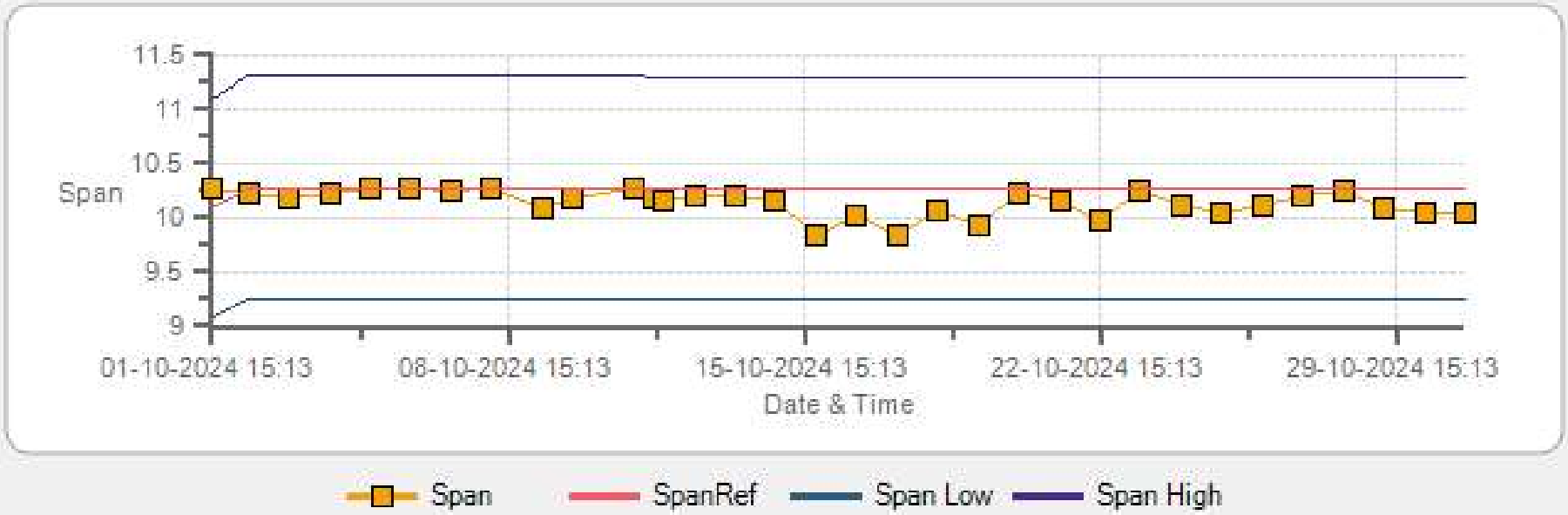
THC55[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Span



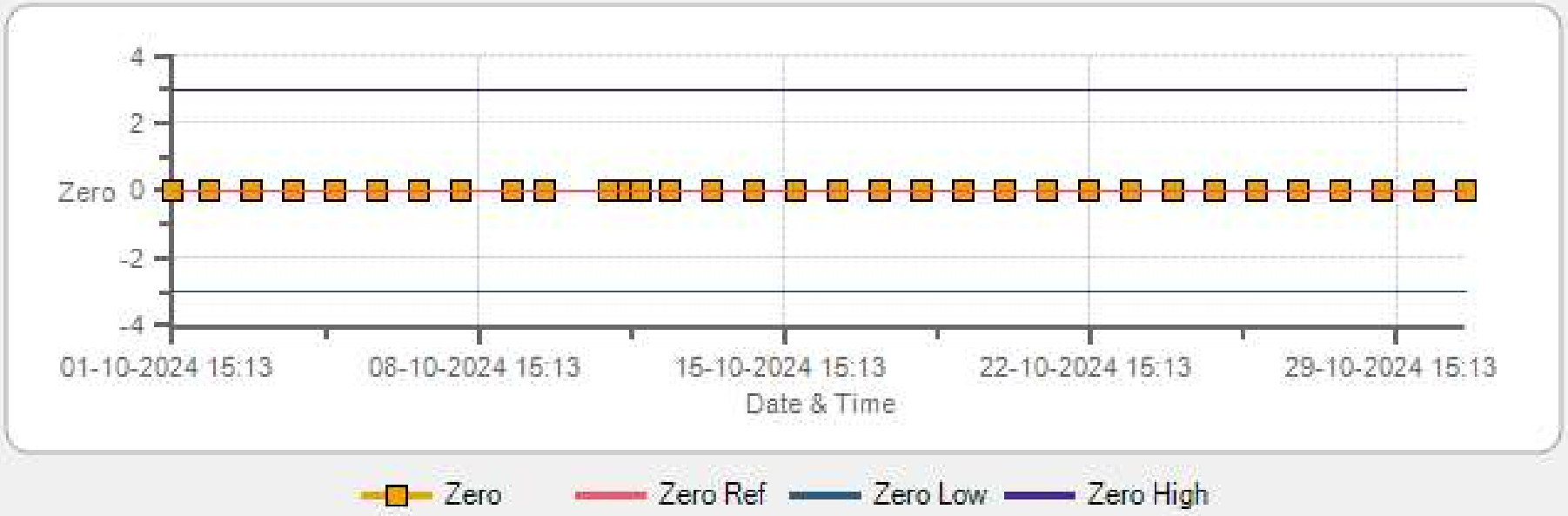
CH4[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Zero



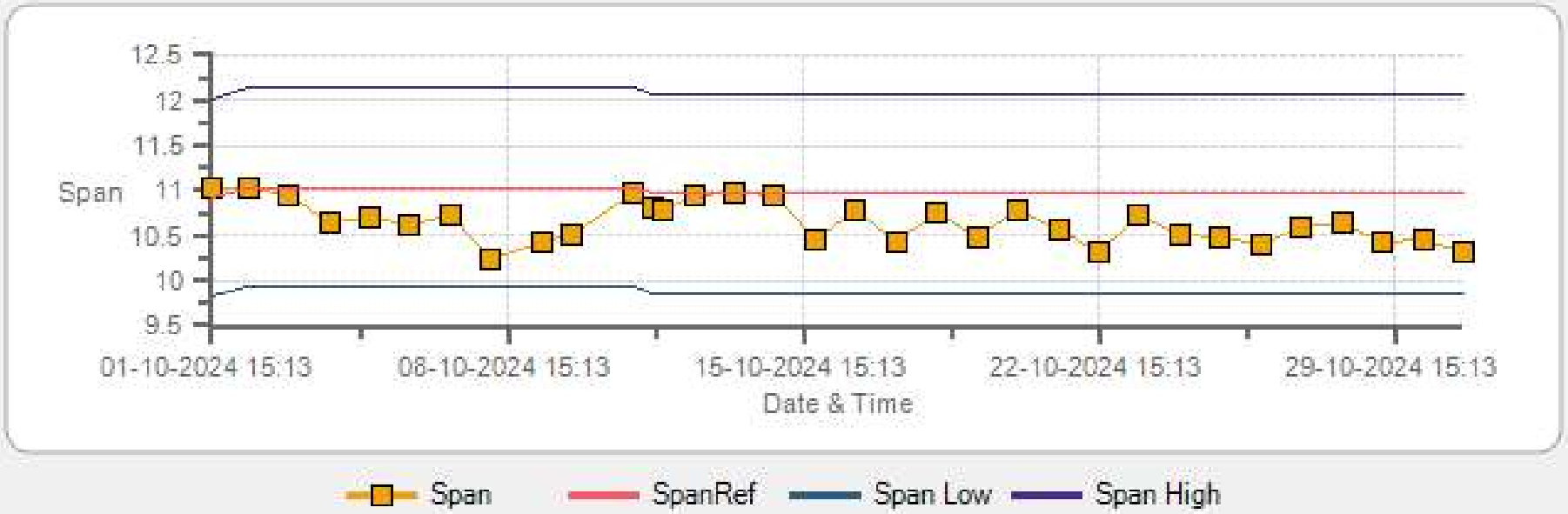
CH4[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 10-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	01-Oct-2024	PREVIOUS CALIBRATION DATE:	04-Sep-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	842b	BAROMETRIC (mBar):	934
PURPOSE	Routine	START TIME (MST):	09:35
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:07

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	1200736629	FLOW (mL/min)	423
INITIAL		FINAL	
BKG/OFFSET	8.9	BKG/OFFSET	9
COEF/SLOPE	1.137	COEF/SLOPE	1.121
Expected (reference) Value	242	Expected (reference) Value	244.1

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	2000	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	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		
4000		4000	0.00	-0.1	0		
3938	60.60	3999	380.36	382.1	379.7	0.995	1.002
3970	28.70	3999	180.14	n/a	182	n/a	0.990
3986	14.40	4000	90.36	n/a	90.7	n/a	0.996

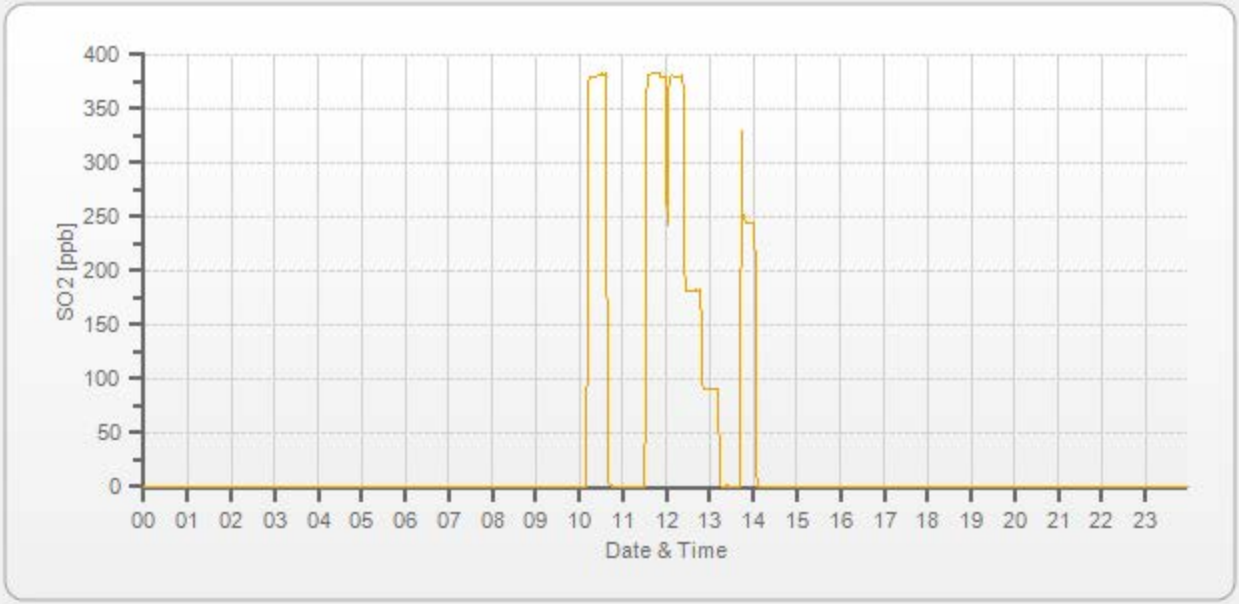
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.1%

COMMENTS:

Sample Filter Changed
12:00= Daily ZS. Adjusted high point restarted

SO2[ppb] Station: PRAMP 842-B Daily: 2024-10-01 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	01-Oct-2024	PREVIOUS CALIBRATION DATE:	04-Sep-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.994
CLIENT:	PRAMP	TEMPERATURE (°C):	22.6
LOCATION:	842b	BAROMETRIC (mBar):	934
PURPOSE	Routine	START TIME (MST):	09:35
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:07

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	1200736630	FLOW (mL/min)	375
INITIAL		FINAL	
BKG/OFFSET	15.9	BKG/OFFSET	15.9
COEF/SLOPE	0.962	COEF/SLOPE	0.957
Expected (reference) Value	46.71	Expected (reference) Value	50.27

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	850	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	-0.16	0		
3968	30.90	3999	77.96	77.61	77.87	1.003	1.001
3984	15.10	3999	38.10	n/a	37.64	n/a	1.012
3993	7.50	4000	18.92	n/a	18.63	n/a	1.015

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.999	-0.2%

COMMENTS:

Sample Filter Changed
TRS Converter CDNOVA CDN #552
12:00 = Daily ZS. Adjusted high restarted

TRS[ppb] Station: PRAMP 842-B Daily: 2024-10-01 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:	01-Oct-2024	PREVIOUS CALIBRATION DATE:	04-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	842b	BAROMETRIC (mBar):	934
PURPOSE	Routine	START TIME (MST):	09:35
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	10:52

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1066
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.001	0.994	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	No
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.09	10.91	21.00		n/a	n/a	n/a

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3501		3501	0.00	0.00	0.00	0.00	0.00	0.00	n/a	n/a	n/a						
3443	56.80	3500	14.56	13.43	27.99	14.33	12.04	26.37	n/a	n/a	n/a	1.016	**1.116**	1.061	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	#DIV/0!	#DIV/0!	#DIV/0!
NMHC	#DIV/0!	#DIV/0!	#DIV/0!
THC	#DIV/0!	#DIV/0!	#DIV/0!

Comments:

Calibration failed at as-found high due to baseline drift.

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	01-Oct-2024	PREVIOUS CALIBRATION DATE:	04-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.3
LOCATION:	842b	BAROMETRIC (mBar):	934
PURPOSE	Install/Post-Repair	START TIME (MST):	12:19
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:13

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1501663728	1071
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	n/a	n/a	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	600		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	Yes

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	n/a	n/a	n/a		10.28	11.04	21.32

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3501		3501	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	n/a	n/a	n/a	14.59	13.54	28.13	n/a	n/a	n/a	0.998	0.992	0.995
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.21	6.71	13.92	n/a	n/a	n/a	1.009	1.001	1.005
3488	14.20	3502	3.64	3.36	6.99	n/a	n/a	n/a	3.60	3.30	6.89	n/a	n/a	n/a	1.010	1.017	1.015

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.003	-0.2%
NMHC	1.000	1.010	-0.2%
THC	1.000	1.006	-0.2%

Comments:

Sample filter Changed
Post-repair after setting/using zero chrom

Station: PRAMP 842-B Daily: 2024-10-01 Type: AVG 1 Min. [1 Min.]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	11-Oct-2024	PREVIOUS CALIBRATION DATE:	n/a
CLIENT:	PRAMP	TEMPERATURE (°C):	23.5
LOCATION:	842b	BAROMETRIC (mBar):	945
PURPOSE	Install/Post-Repair	START TIME (MST):	09:39
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:56

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1119
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	n/a	n/a	n/a

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	600		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	Yes

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	n/a	n/a	n/a		10.27	10.96	21.23

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3501		3501	0.00	0.00	0.00	n/a	n/a	n/a	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	n/a	n/a	n/a	14.57	13.42	27.99	n/a	n/a	n/a	0.999	1.001	1.000
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.33	6.83	14.16	n/a	n/a	n/a	0.993	0.983	0.988
3488	14.20	3502	3.64	3.36	6.99	n/a	n/a	n/a	3.69	3.50	7.20	n/a	n/a	n/a	0.986	0.959	0.971

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	0.1%
NMHC	1.000	0.996	0.4%
THC	1.000	0.998	0.3%

Comments:

Initial attempts non-linear (fail at low).
Set ZERO CHROM = YES and restarted Calibration from Adjusted high.

Station: PRAMP 842-B Daily: 2024-10-11 Type: AVG 1 Min. [1 Min.]

Meteorological System Checklist

Date:	October 1, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP 842b		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15878
Temperature Sensor:	Rotronic	HC2A-S3	20370767
Barometric Pressure Sensor:	MetOne	92	Y23362
Relative Humidity Sensor:	Rotronic	HC2A-S3	20370767
Anemometer:	RM Young	05305AQ	174802

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	September 4, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Oct 3-test time:10:02-10:05
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	September 4, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025
Reference Temperature (^{o}C):	4.1
Station - Ambient Temperature (^{o}C):	3.9
Temperature Difference (^{o}C):	0.2

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	September 4, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	933
Station Pressure - Units/Reading:	millibar	933
Pressure Tolerance +/- 15% of error:	793 - 1073	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	September 4, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	85.30	
Station Hygrometer % RH- Reading:	99.00	
RH Tolerance +/- 15% of difference:	72.51 - 98.10	-16.1%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Wind Speed Observed (kph):	10-~20	Wind Direction Observed:	N
Wind speed on Data Logger (kph):	12	Wind Direction on Data Logger:	N
		Wind Direction Pass/Fail?:	Pass

Comments

Swapped TPX/RH Probe. New = #24010202
New RH= 91.2, TPX=3.8

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	842b	**Reviewed By:**	Limin Li
Audit Date:	August 22, 2024	**Start/End Time (mst):**	14:11 - 15:14
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:	August 3, 2023	**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	1	354	1.0	1.0	1.0
30	330	28	333	2.0	-3.0	2.5
60	300	57	305	3.0	-5.0	4.0
90	270	86	275	4.0	-5.0	4.5
120	240	115	244	5.0	-4.0	4.5
150	210	145	209	5.0	1.0	3.0
180	180	177	178	3.0	2.0	2.5
210	150	208	147	2.0	3.0	2.5
240	120	242	116	-2.0	4.0	3.0
270	90	275	86	-5.0	4.0	4.5
300	60	304	57	-4.0	3.0	3.5
330	30	332	28	-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=**			**3.0**

Comments:

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

END OF REPORT

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202410-01562

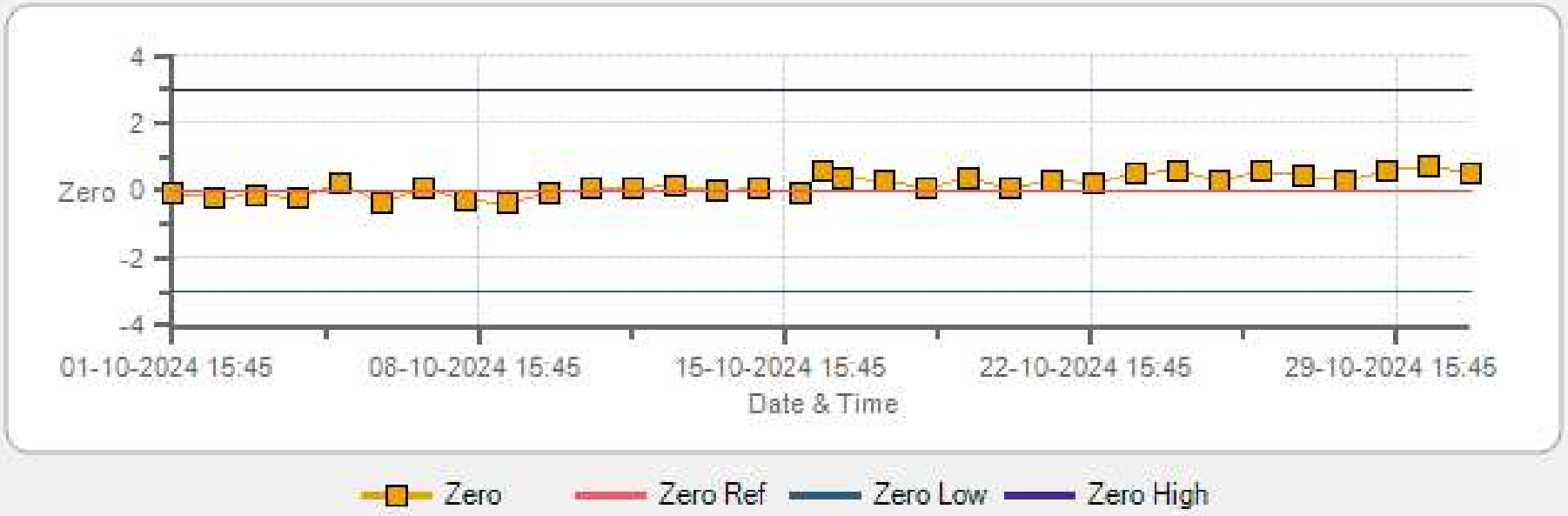
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

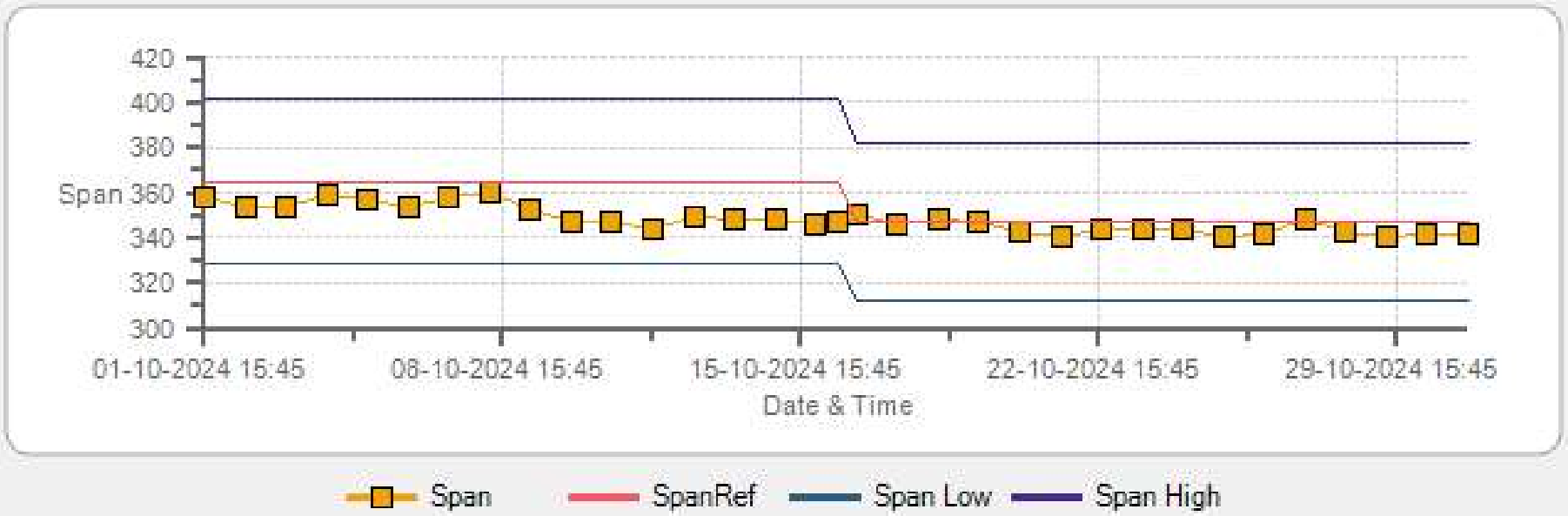
November 21, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

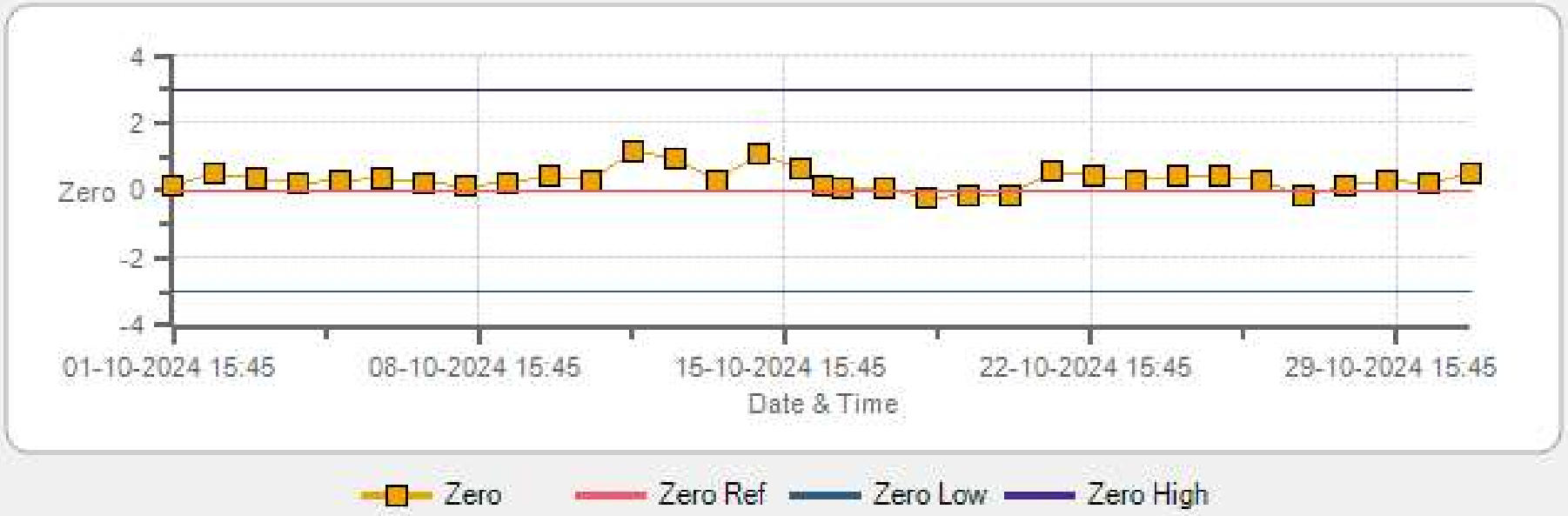
SO2[ppb] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Zero



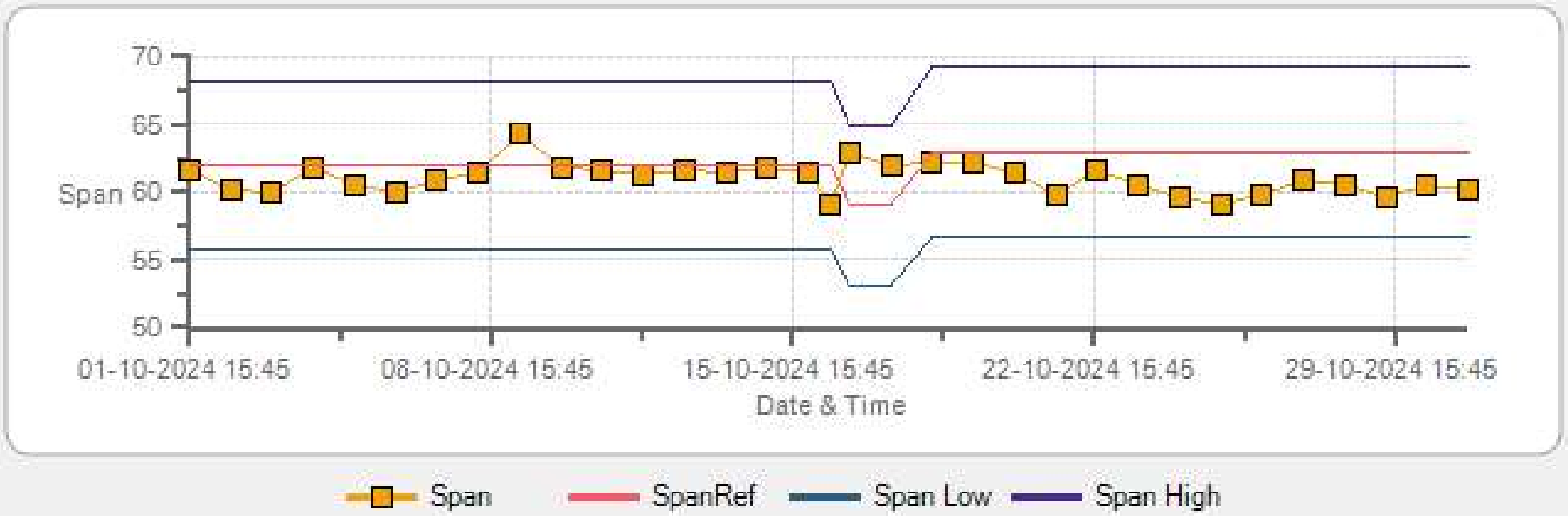
SO2[ppb] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Span



TRS[ppb] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Zero

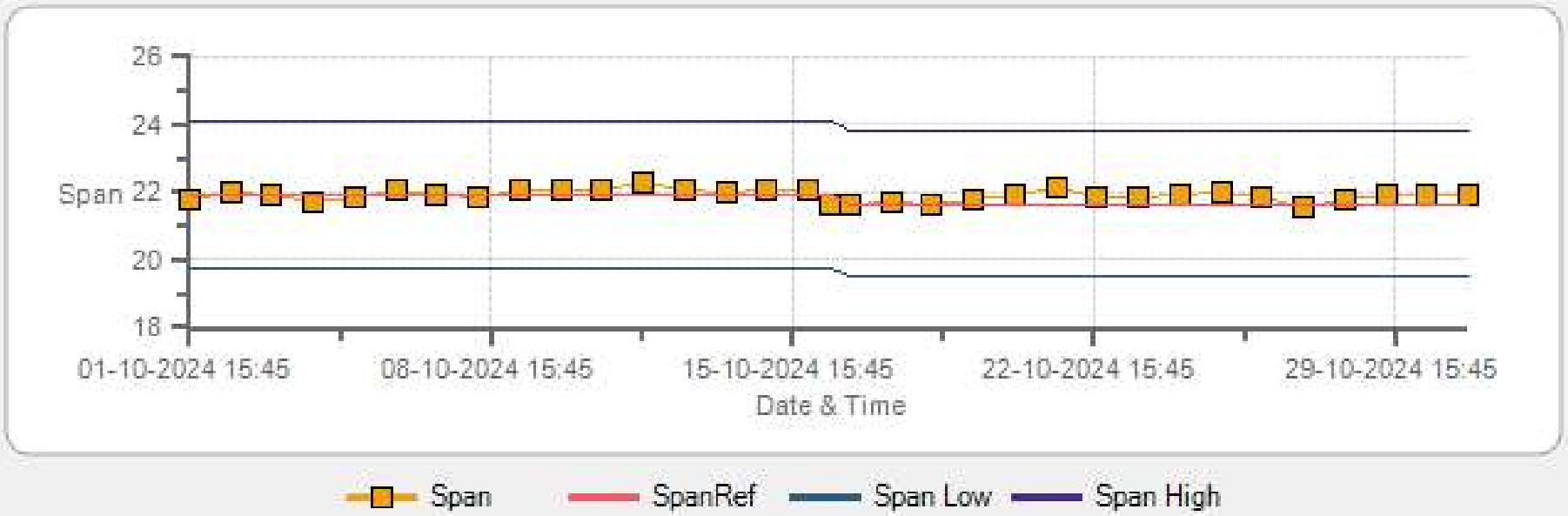


TRS[ppb] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Span



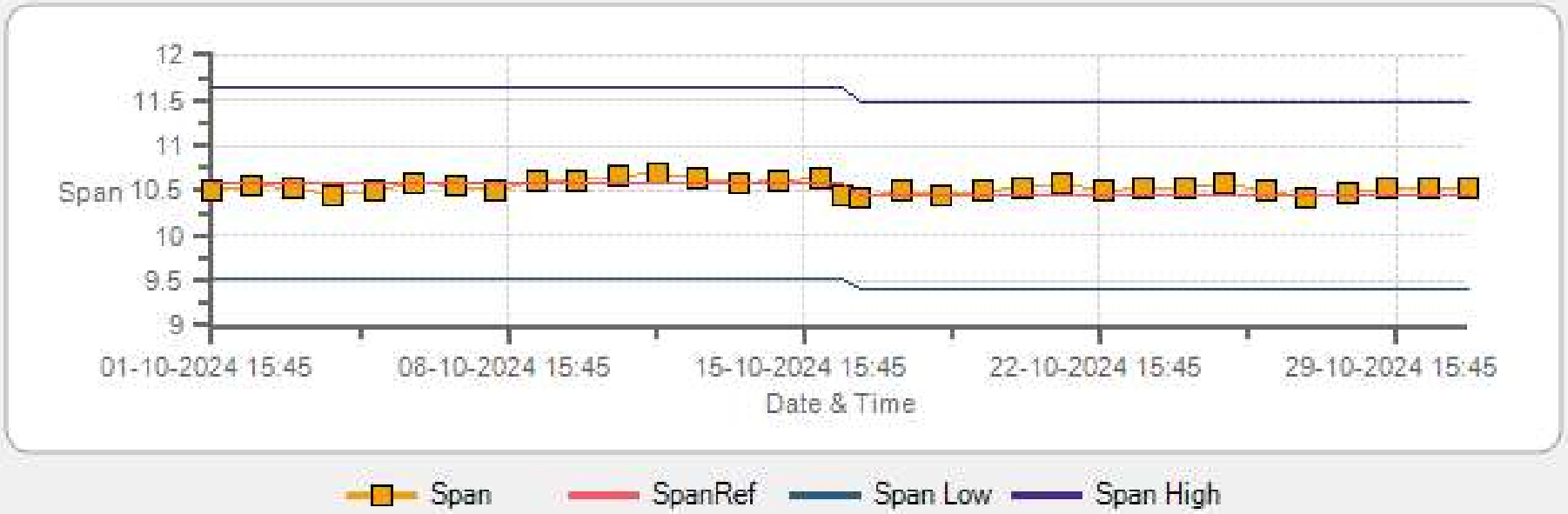
THC55[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Zero

THC55[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Span



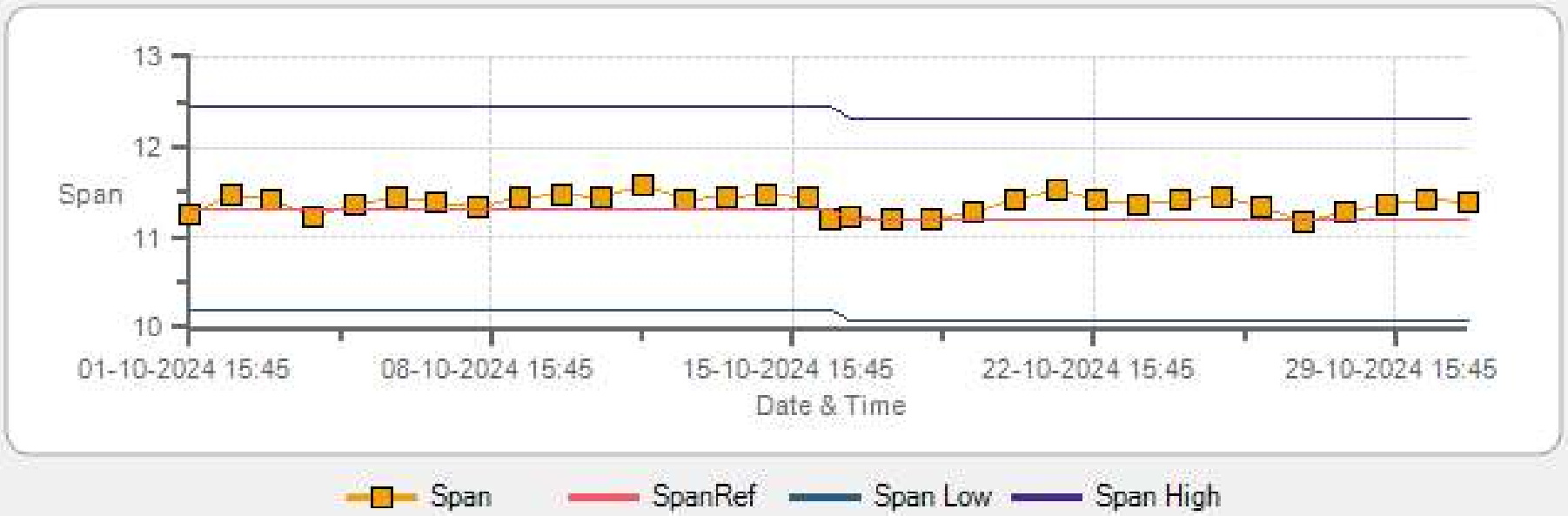
CH4[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Zero

CH4[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Zero

NMHC[ppm] Calibration: PRAMP 986-C Monthly: 10-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	16-Oct-2024	PREVIOUS CALIBRATION DATE:	18-Sep-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	986C	BAROMETRIC (mBar):	933
PURPOSE	Routine	START TIME (MST):	09:08
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:21

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	1193585646	FLOW (mL/min)	427
INITIAL		FINAL	
BKG/OFFSET	20.3	BKG/OFFSET	20
COEF/SLOPE	1.036	COEF/SLOPE	1.028
Expected (reference) Value	364.6	Expected (reference) Value	347.1

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1800	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	-0.2	0		
3939	60.60	4000	380.27	378.9	379.6	1.003	1.002
3972	28.70	4001	180.05	n/a	184.2	n/a	0.977
3992	14.40	4006	90.22	n/a	92.6	n/a	0.974

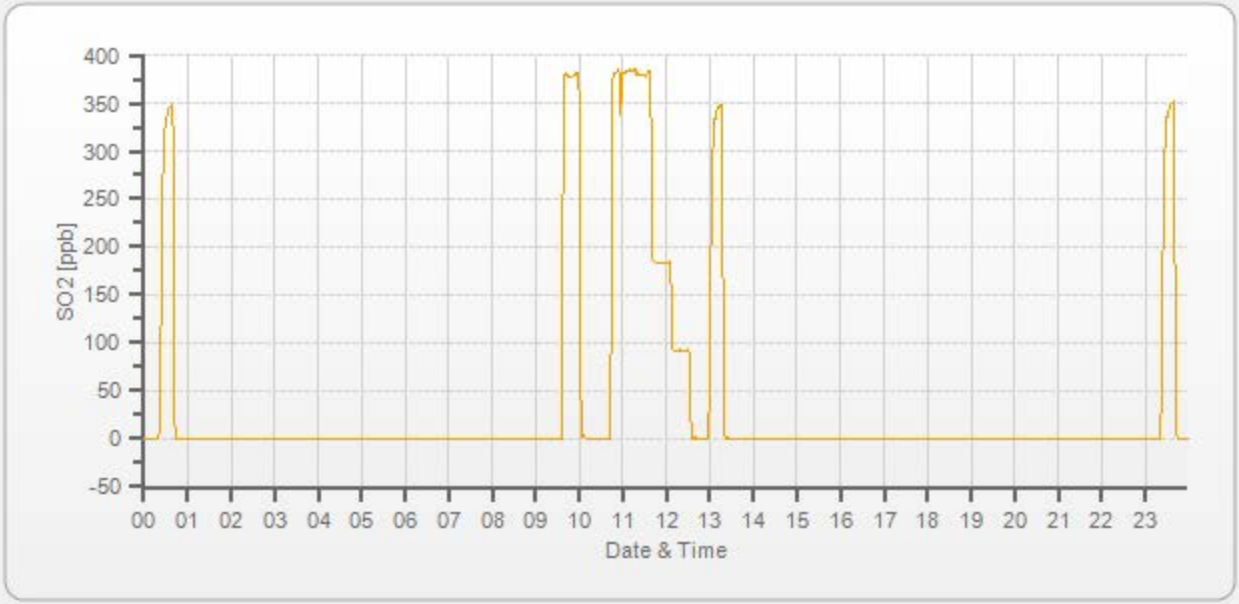
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.997	0.4%

COMMENTS:

Sample Filter Changed
10:55 = Checked Calibration line due to TRS Response

SO2[ppb] Station: PRAMP 986-C Daily: 2024-10-16 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	16-Oct-2024	PREVIOUS CALIBRATION DATE:	18-Sep-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	986C	BAROMETRIC (mBar):	933
PURPOSE	Routine	START TIME (MST):	09:08
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:21

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	1191833341	FLOW (mL/min)	422
INITIAL		FINAL	
BKG/OFFSET	17.8	BKG/OFFSET	18.9
COEF/SLOPE	1.049	COEF/SLOPE	1.065
Expected (reference) Value	61.98	Expected (reference) Value	59.04

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	800	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.49	0		
3969	30.90	4000	77.95	78.42	78.16	1.000	0.997
3986	15.10	4001	38.08	n/a	38.02	n/a	1.002
3992	7.50	3999	18.92	n/a	18.7	n/a	1.012

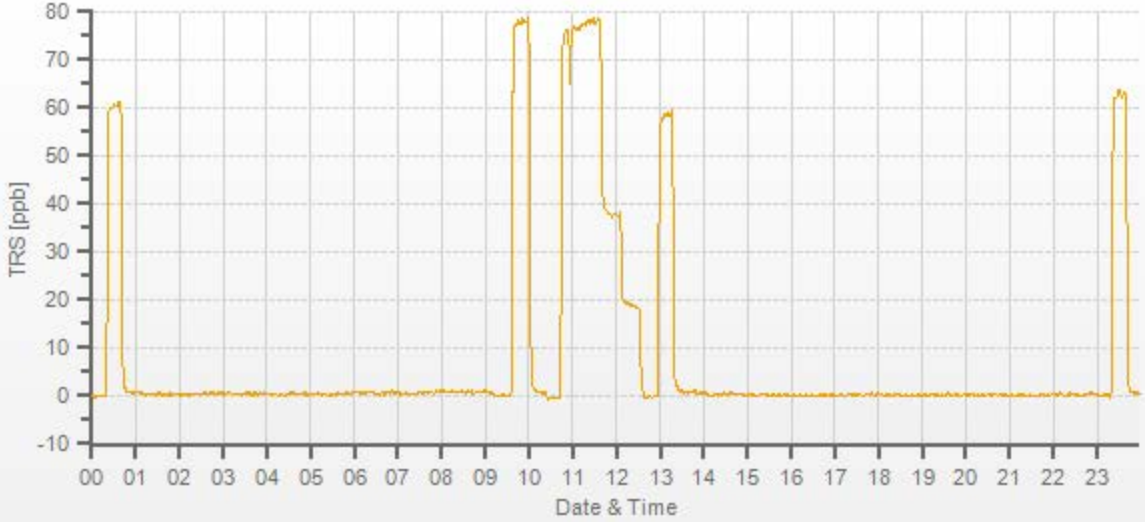
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.004	-0.1%

COMMENTS:

Sample Filter Changed
TRS Converter CDNOVA CDN101 #530
10:55 = Checked Calibration line due to slow response

TRS[ppb] Station: PRAMP 986-C Daily: 2024-10-16 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	16-Oct-2024	PREVIOUS CALIBRATION DATE:	18-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	23.4
LOCATION:	986C	BAROMETRIC (mBar):	933
PURPOSE	Routine	START TIME (MST):	09:08
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:09

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1022143392	1011
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.000	1.000	1.000

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	600		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.58	11.32	21.90		10.45	11.20	21.66

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
3500		3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.67	13.55	28.21	14.55	13.42	27.97	0.992	0.991	0.992	1.000	1.001	1.001
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.31	6.69	14.00	n/a	n/a	n/a	0.995	1.004	0.999
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.69	3.35	7.04	n/a	n/a	n/a	0.986	1.002	0.994

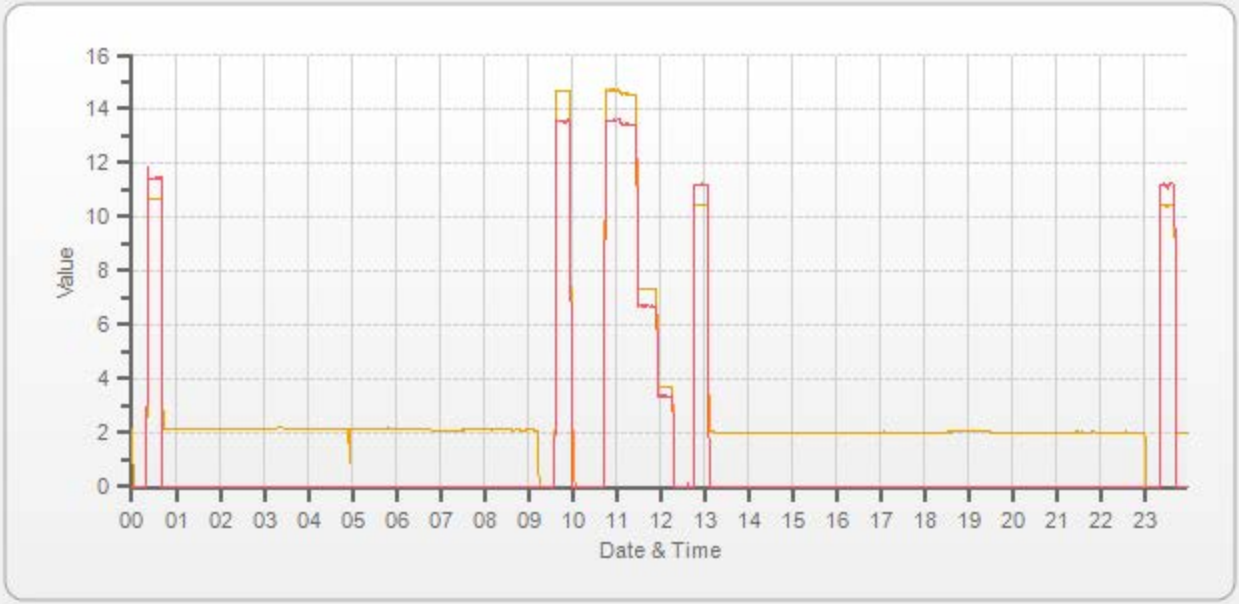
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.999	0.1%
NMHC	1.000	0.999	0.0%
THC	1.000	0.999	0.1%

Comments:

Sample Filter Changed

Station: PRAMP 986-C Daily: 2024-10-16 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

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

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	September 18, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Tested: 12:57-13:00
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	September 18, 2024	
Parameter:	Temperature @ 2 metres	
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025	
Reference Temperature (^{o}C):	9.7	
Station - Ambient Temperature (^{o}C):	9.5	
Temperature Difference (^{o}C):	0.2	

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	September 18, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	927
Station Pressure - Units/Reading:	millibar	928
Pressure Tolerance +/- 15% of error:	788 - 1066	-0.11%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	September 18, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	71.60	
Station Hygrometer % RH- Reading:	74.70	
RH Tolerance +/- 15% of difference:	60.86 - 82.34	-4.3%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	September 18, 2024	Previous check date:	September 18, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	S
Wind speed on Data Logger (kph):	16.9	Wind Direction on Data Logger:	S
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	986C	**Reviewed By:**	Limin Li
Audit Date:	August 22, 2024	**Start/End Time (mst):**	17:37 / 18:34
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 #:	180340	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 3, 2023	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

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

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

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

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

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	30	329	0.0	1.0	0.5
60	300	58	302	2.0	-2.0	2.0
90	270	87	270	3.0	0.0	1.5
120	240	118	238	2.0	2.0	2.0
150	210	146	206	4.0	4.0	4.0
180	180	175	176	5.0	4.0	4.5
210	150	206	146	4.0	4.0	4.0
240	120	238	118	2.0	2.0	2.0
270	90	271	88	-1.0	2.0	1.5
300	60	302	58	-2.0	2.0	2.0
330	30	331	32	-1.0	-2.0	1.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.2**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues
Potentiometer noisy, replacment needed

END OF REPORT

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202410-01563

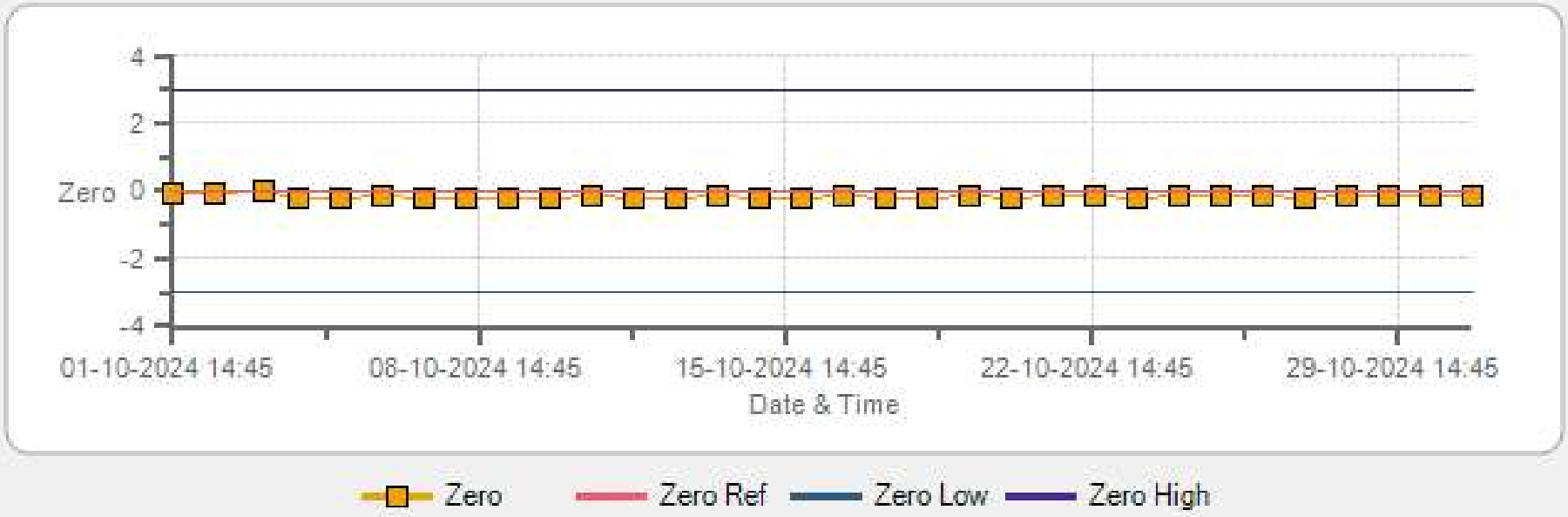
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

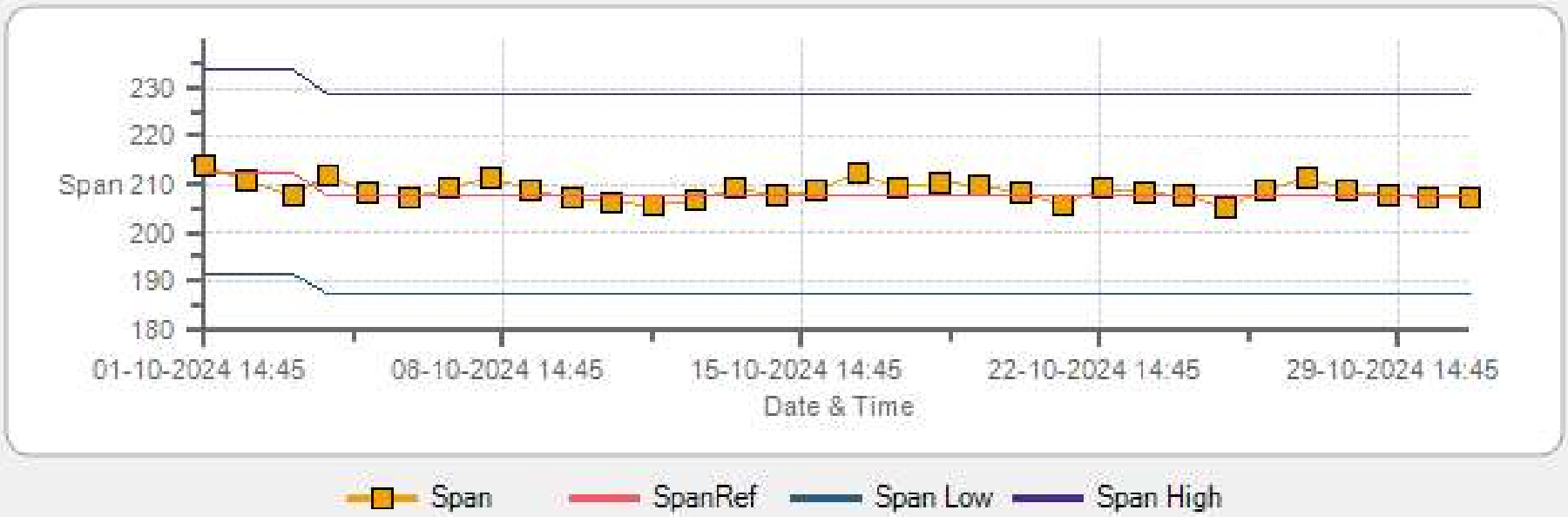
November 21, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

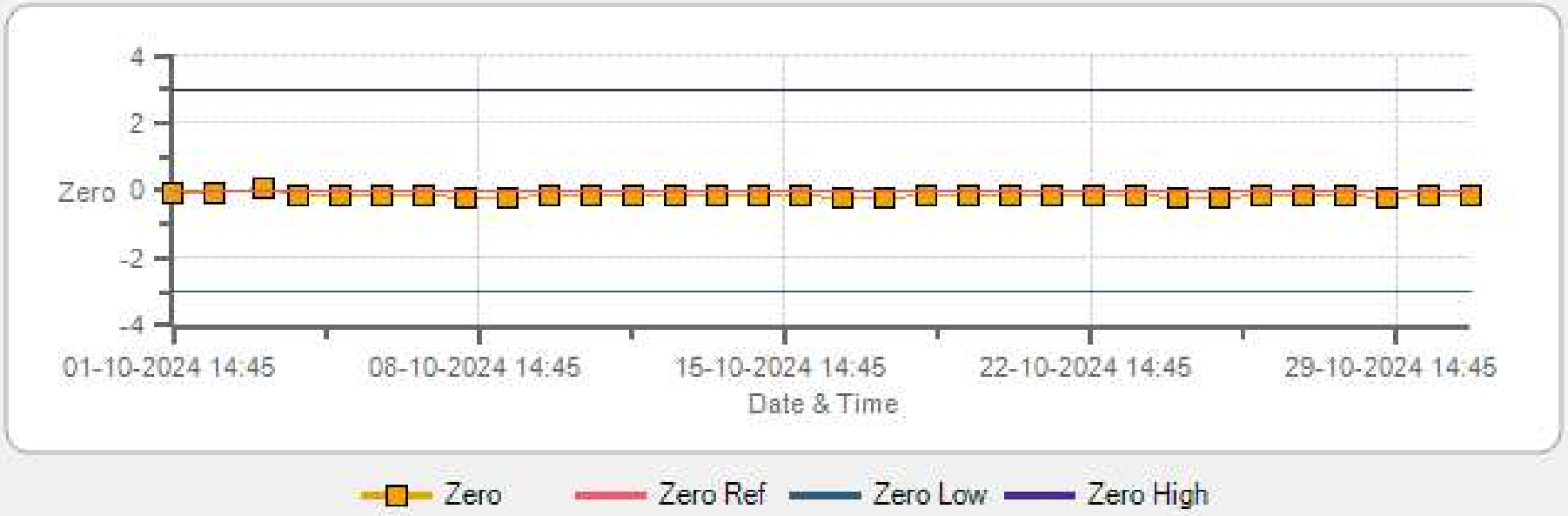
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Zero



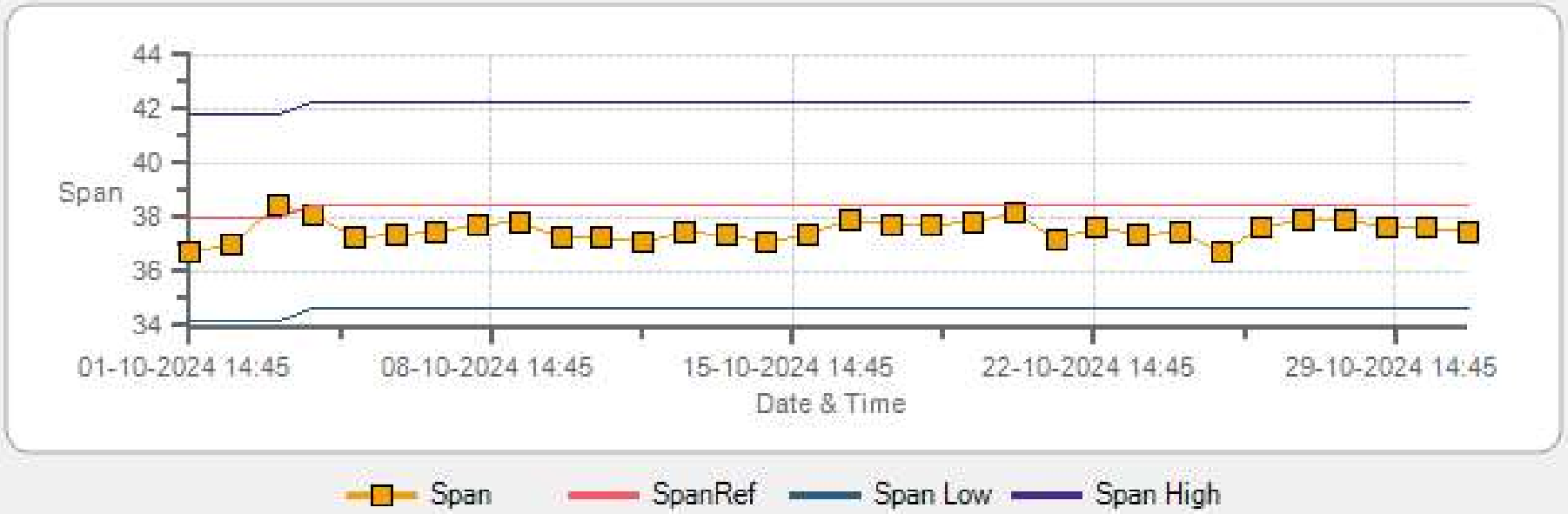
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Span



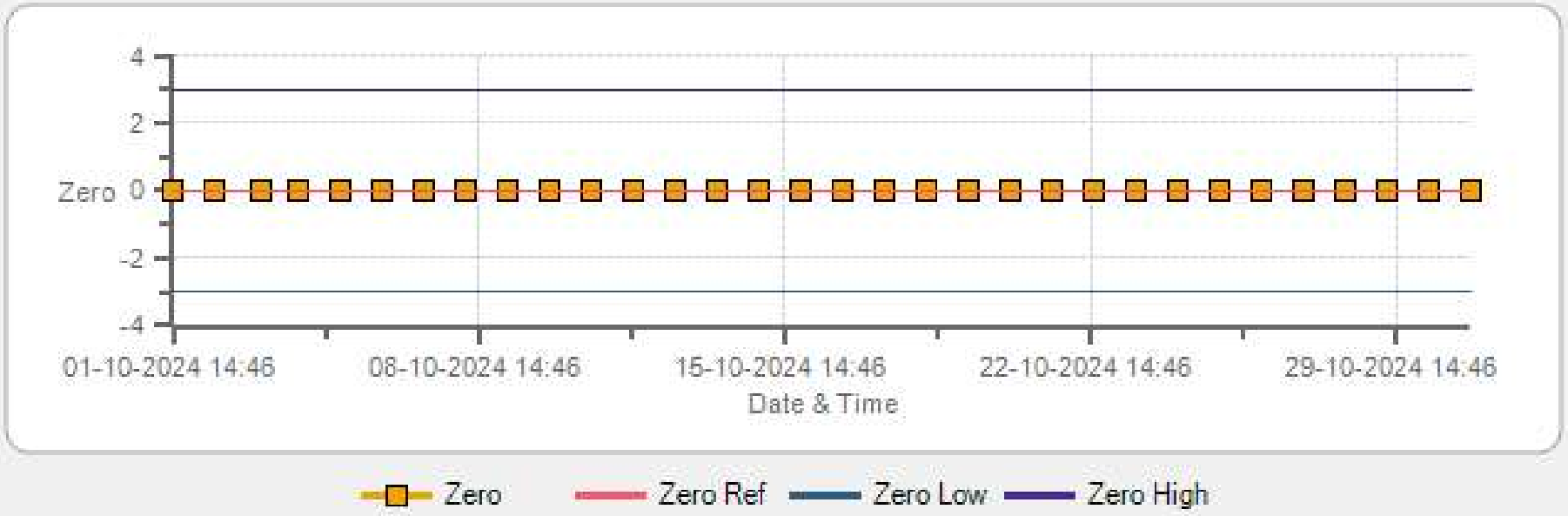
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Zero



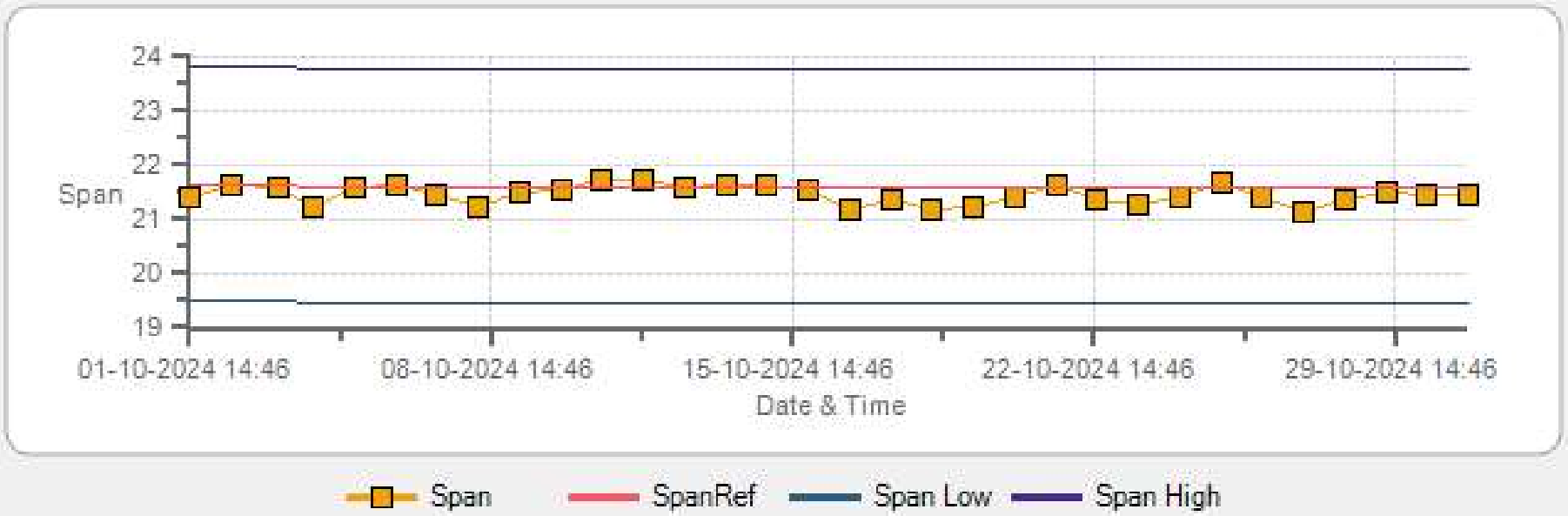
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Span



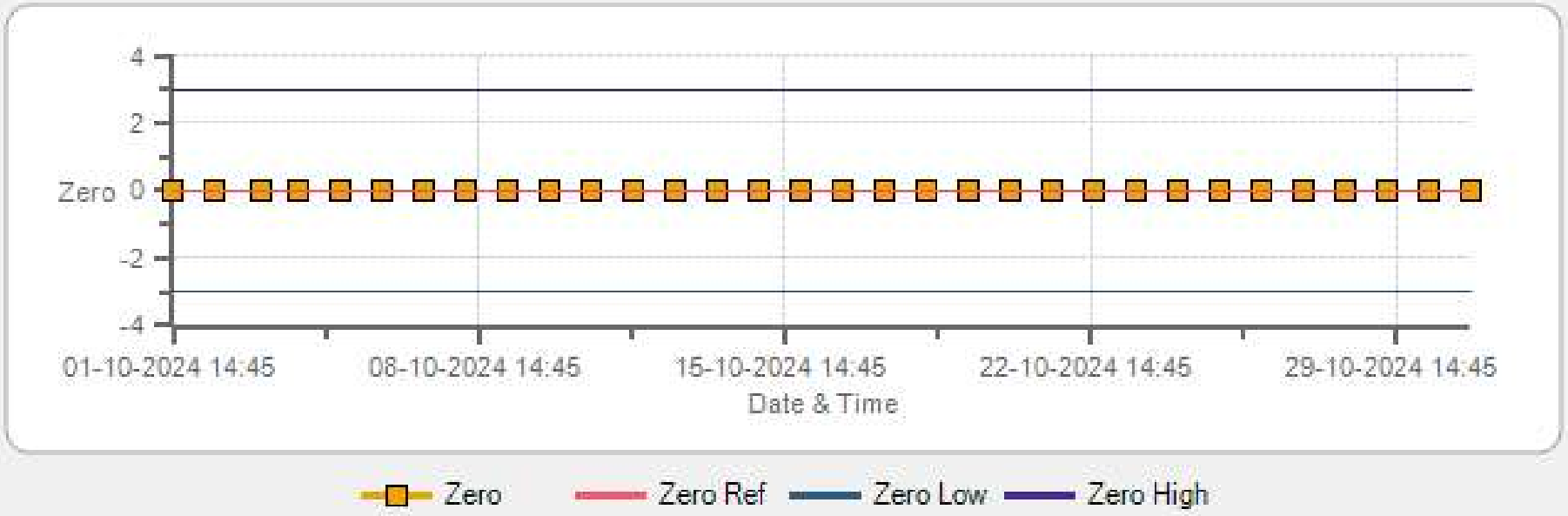
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Zero



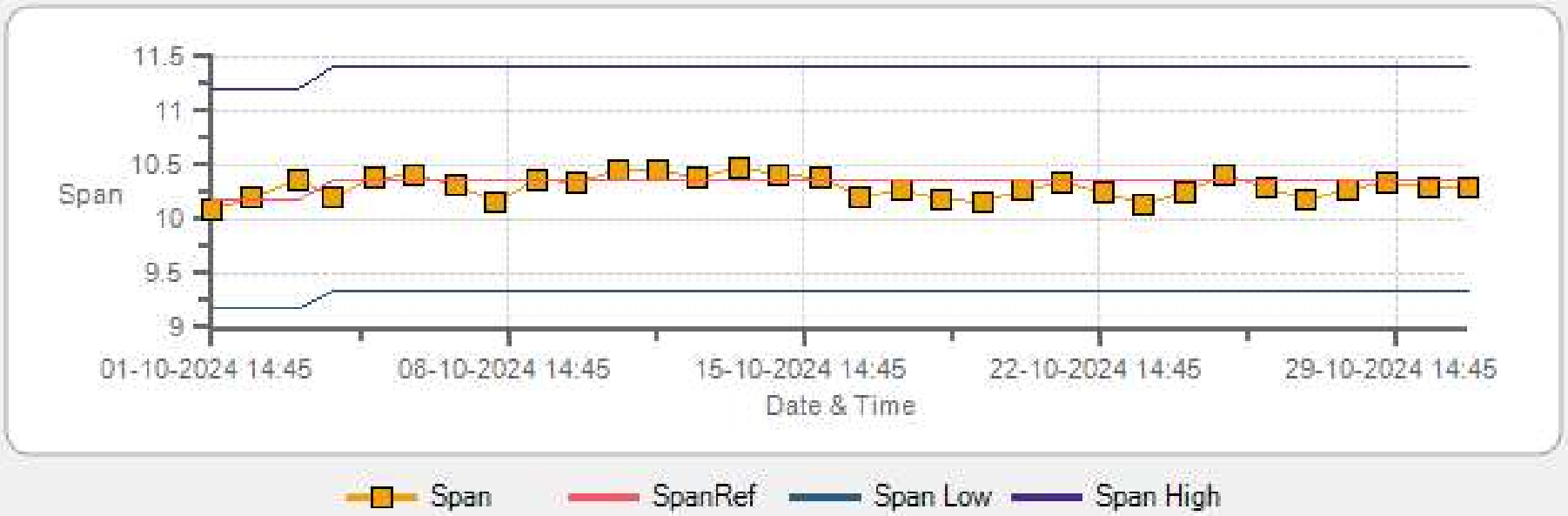
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Span



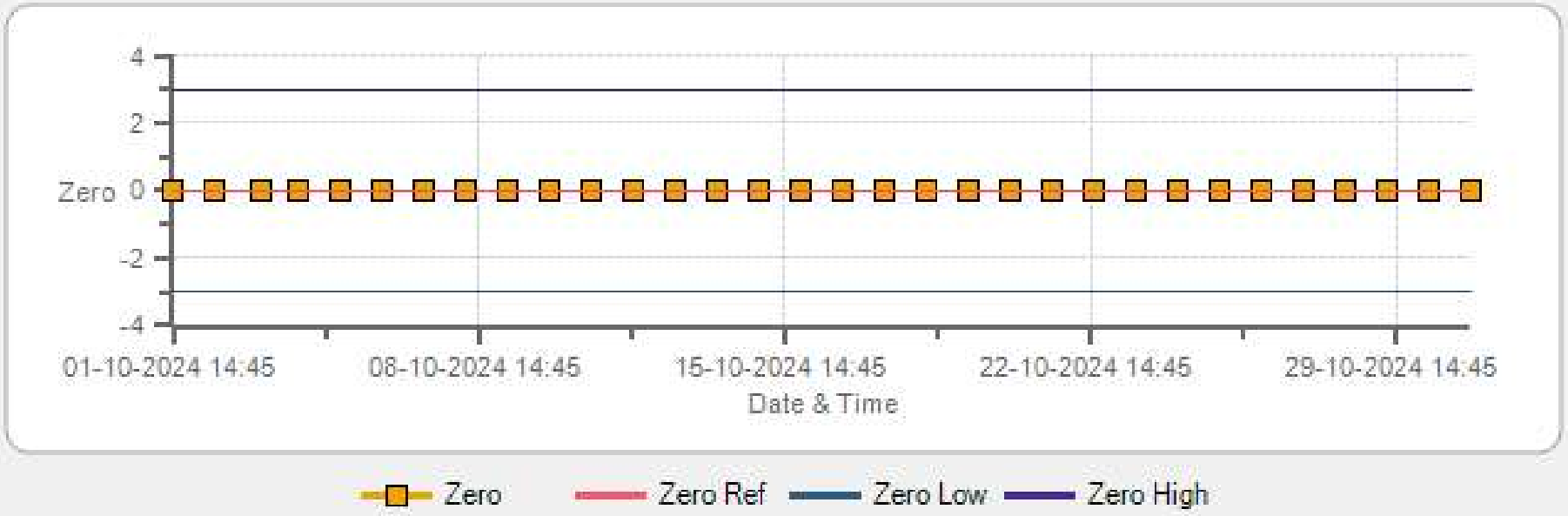
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Zero



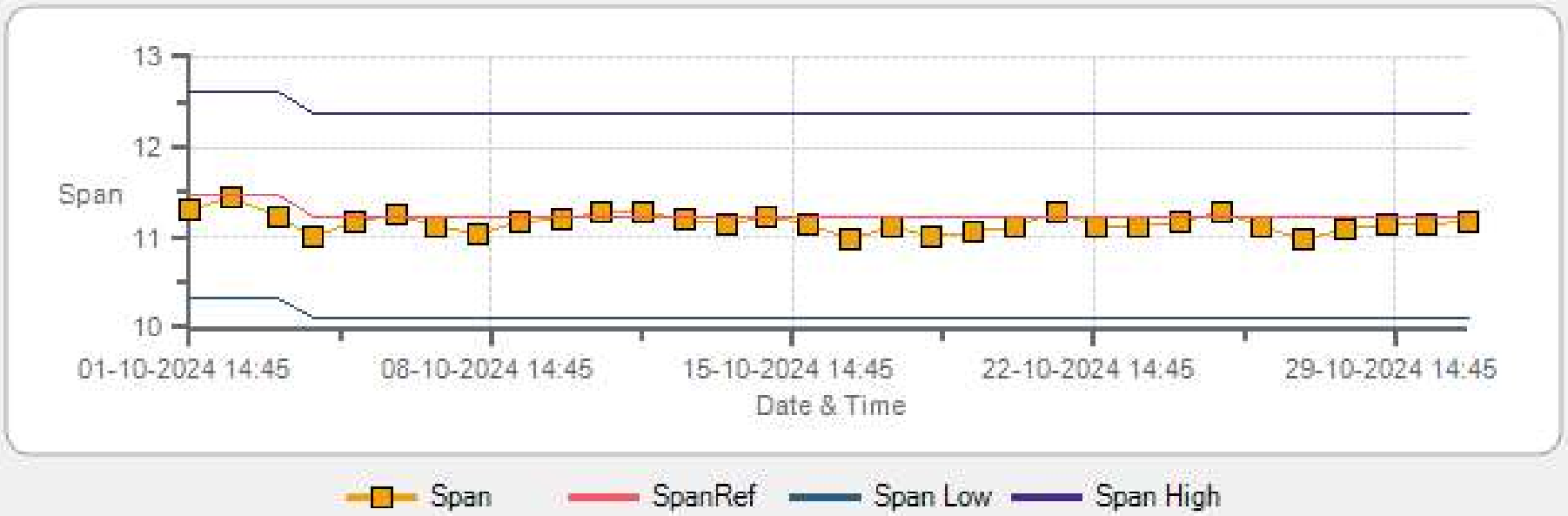
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 10-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	03-Oct-2024	PREVIOUS CALIBRATION DATE:	06-Sep-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	12:25
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:21

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500 ppb
SERIAL #	12101910505	FLOW (mL/min)	437
INITIAL		FINAL	
BKG/OFFSET	1.3	BKG/OFFSET	1.38
COEF/SLOPE	0.9	COEF/SLOPE	0.884
Expected (reference) Value	212.5	Expected (reference) Value	207.7

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	2000	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	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:

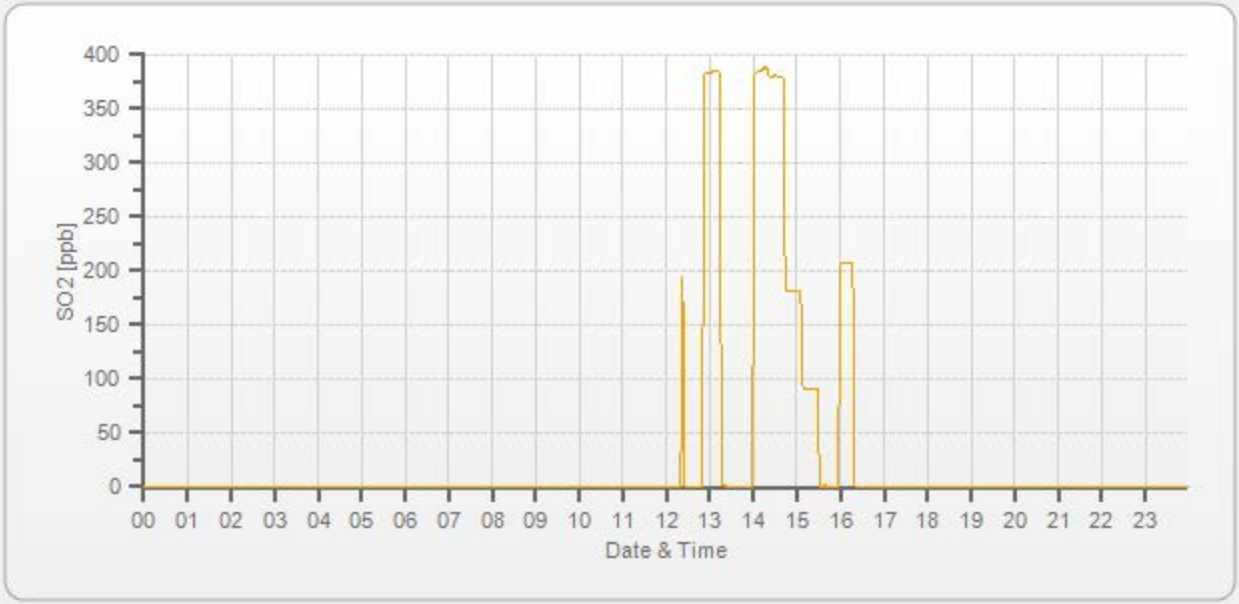
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	0.1	0		
3939	60.60	4000	380.27	384.9	380.1	0.988	1.000
3971	28.70	4000	180.09	n/a	182	n/a	0.990
3985	14.40	3999	90.38	n/a	90.1	n/a	1.003

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample filter changed


SO2[ppb] Station: PRAMP RENO-B Daily: 2024-10-03 Type: AVG 1 Min. [1 Min.]
SO2 [ppb]
400
350
300
250
200
150
100
50
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
SO2 [ppb]

TRS Analyzer Calibration by Dilution

DATE:	03-Oct-2024	PREVIOUS CALIBRATION DATE:	06-Sep-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	12:25
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:22

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	12101910504	FLOW (mL/min)	389
INITIAL		FINAL	
BKG/OFFSET	1.09	BKG/OFFSET	1.23
COEF/SLOPE	0.904	COEF/SLOPE	0.919
Expected (reference) Value	37.99	Expected (reference) Value	38.46

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	1000	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	0.1	0		
3969	30.90	4000	77.95	77.01	78.18	1.013	0.997
3985	15.10	4000	38.09	n/a	38.12	n/a	0.999
3992	7.50	3999	18.92	n/a	19.15	n/a	0.988

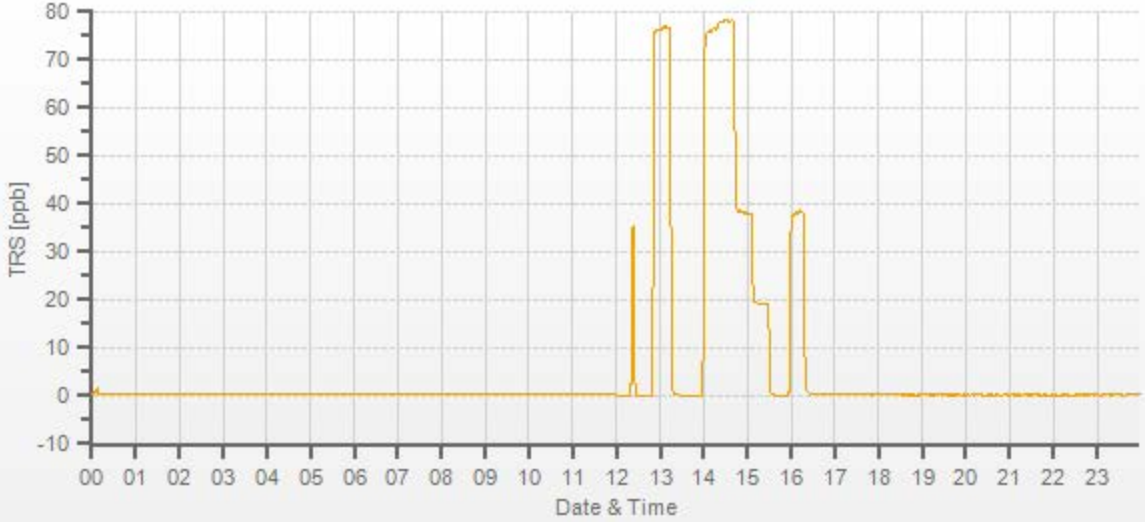
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.1%

COMMENTS:

Sample filter changed

TRS[ppb] Station: PRAMP RENO-B Daily: 2024-10-03 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	03-Oct-2024	PREVIOUS CALIBRATION DATE:	06-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.0
LOCATION:	Reno-B	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	12:25
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:59

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1193585652	1087
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.998	0.996	0.997

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	600		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	No
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	n/a

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.19	11.46	21.65		10.37	11.24	21.61

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
3499		3499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.21	13.24	27.44	14.58	13.41	27.99	1.024	1.015	1.020	0.998	1.002	1.000
3472	28.40	3500	7.28	6.72	14.00	n/a	n/a	n/a	7.31	6.69	14.00	n/a	n/a	n/a	0.996	1.004	1.000
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.66	3.35	7.00	n/a	n/a	n/a	0.994	1.002	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.1%
NMHC	1.000	0.998	0.0%
THC	1.000	1.000	0.0%

Comments:

Sample filter Changed

Station: PRAMP RENO-B Daily: 2024-10-03 Type: AVG 1 Min. [1 Min.]

Meteorological System Checklist

Date:	October 3, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP Reno-B		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15877
Temperature Sensor:	Rotronic	HC2-S3	20467597
Barometric Pressure Sensor:	MetOne	92	A17940
Relative Humidity Sensor:	Rotronic	HC2-S3	20467597
Anemometer:	RM Young	05305AQ	174795

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	September 6, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Audit:16:00-16:01
Is the screen on the housing? (screen should be on between July and September	yes	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

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

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

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	September 6, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	FS 181341226 expires July 24, 2025
Reference Temperature (^{o}C):	8.5
Station - Ambient Temperature (^{o}C):	8.7
Temperature Difference (^{o}C):	-0.2

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	September 6, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	942
Station Pressure - Units/Reading:	millibar	942.3
Pressure Tolerance +/- 15% of error:	801 - 1083	-0.03%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	September 6, 2024	
Reference Hygrometer ID:	FS 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	64.80	
Station Hygrometer % RH- Reading:	67.40	
RH Tolerance +/- 15% of difference:	55.08 - 74.52	-4.0%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	W
Wind speed on Data Logger (kph):	9	Wind Direction on Data Logger:	W
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Reno-B	**Reviewed By:**	Limin Li
Audit Date:	August 23, 2024	**Start/End Time (mst):**	09:46 - 10:48
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 #:	174795	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 1, 2023	**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	1	354	1.0	1.0	1.0
30	330	30	332	0.0	-2.0	1.0
60	300	59	304	1.0	-4.0	2.5
90	270	88	273	2.0	-3.0	2.5
120	240	120	242	0.0	-2.0	1.0
150	210	150	213	0.0	-3.0	1.5
180	180	181	182	-1.0	-2.0	1.5
210	150	209	151	1.0	-1.0	1.0
240	120	240	119	0.0	1.0	0.5
270	90	272	88	-2.0	2.0	2.0
300	60	304	60	-4.0	0.0	2.0
330	30	331	30	-1.0	0.0	0.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.4**

Comments:

Declination = 15 deg East
Physical inspection completed. Repalced horizontal bearings

END OF REPORT

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202410-01689

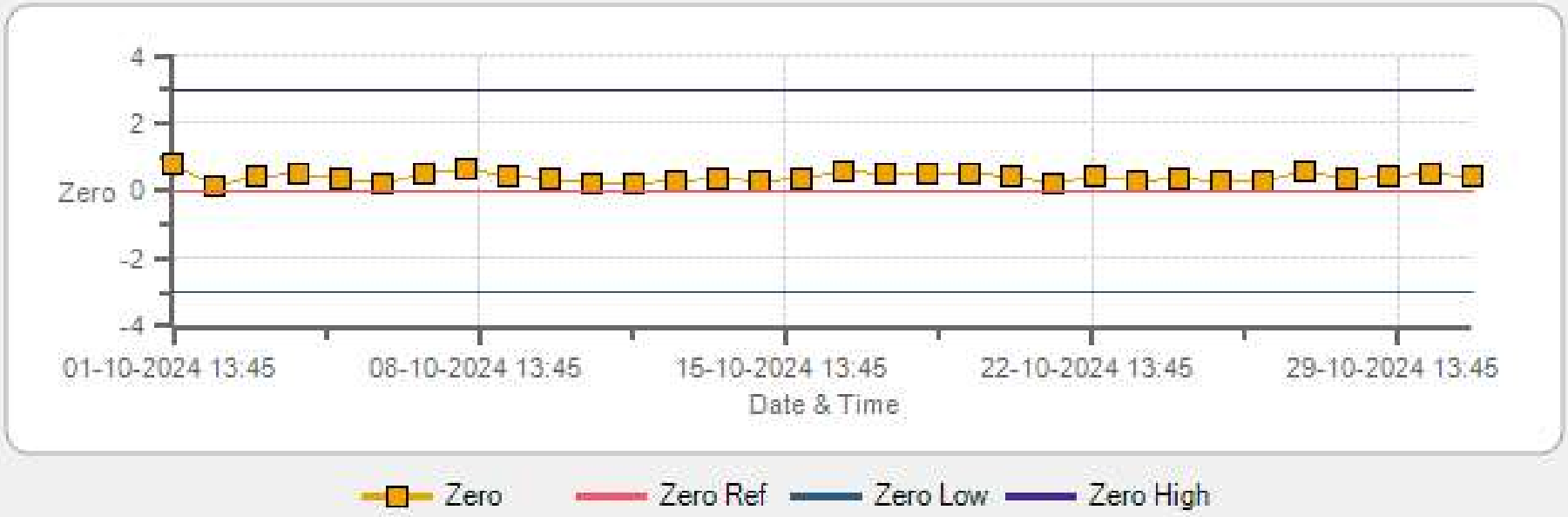
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

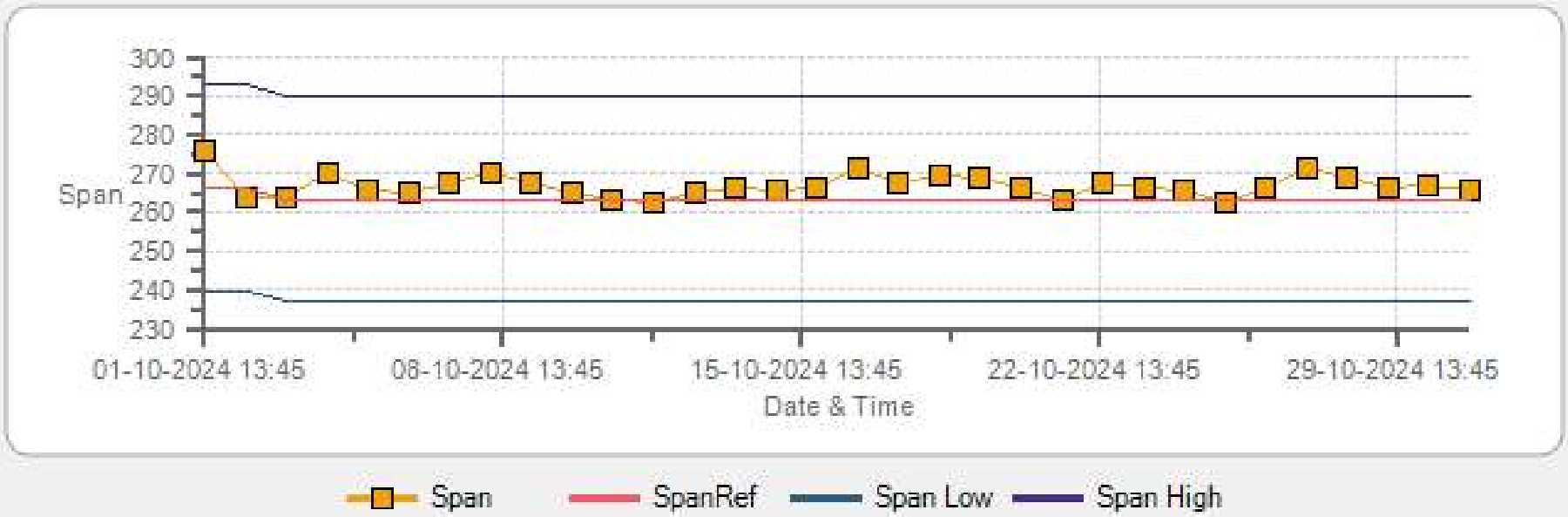
November 21, 2024

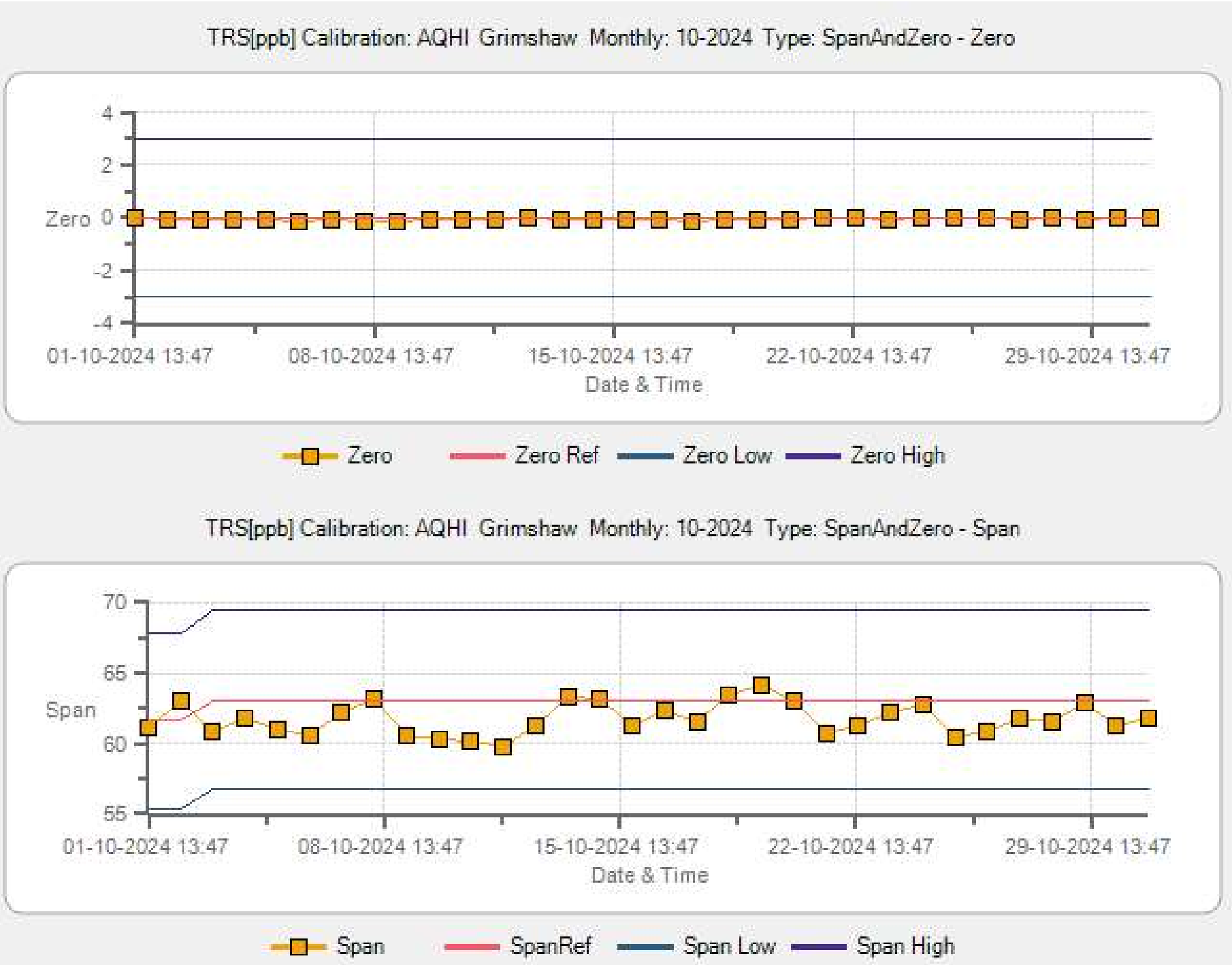
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero

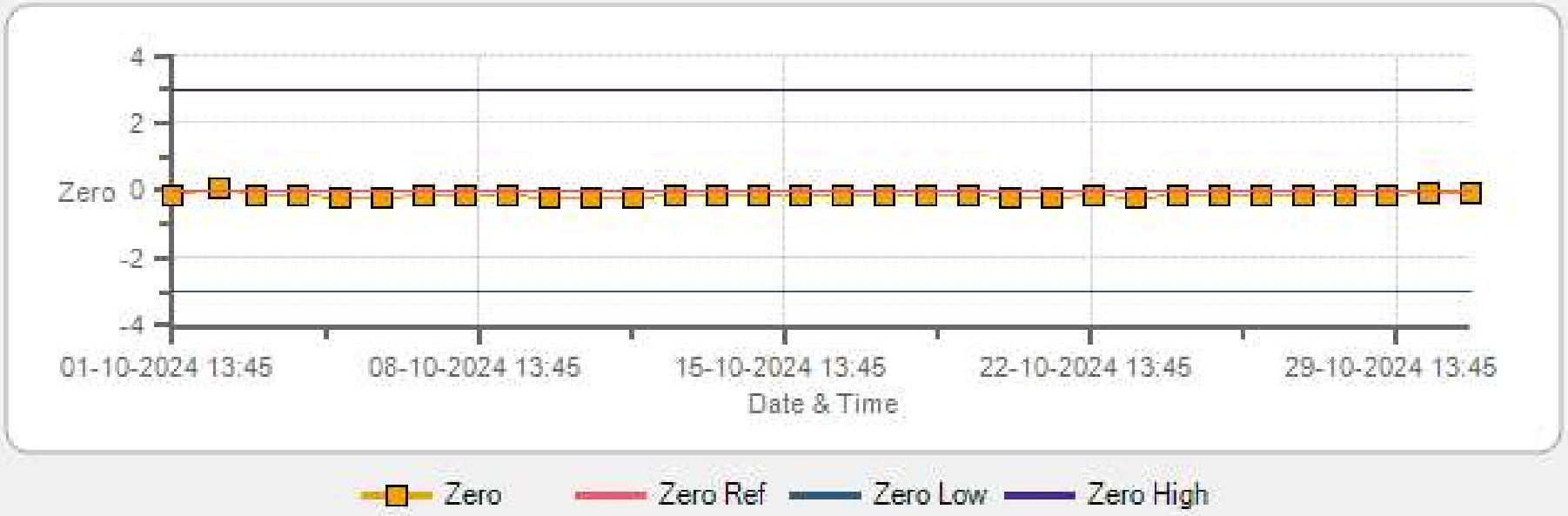


SO2[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span

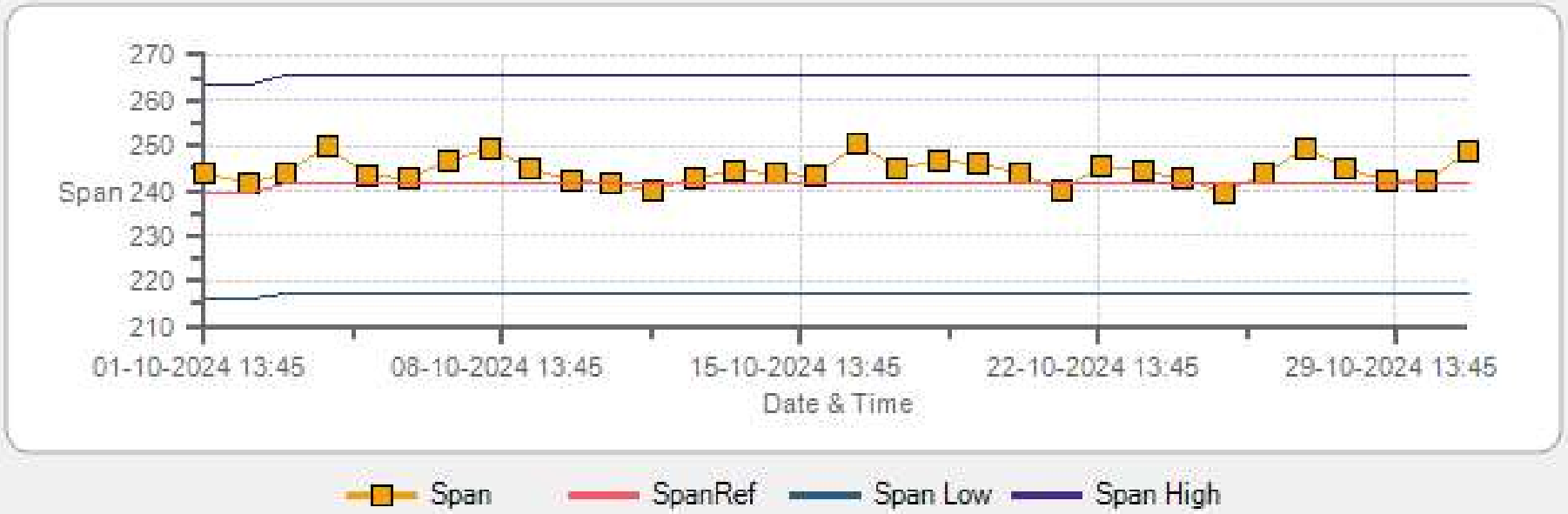



TRS[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-10-2024 13:47
08-10-2024 13:47
15-10-2024 13:47
22-10-2024 13:47
29-10-2024 13:47
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span
70
65
Span
60
55
01-10-2024 13:47
08-10-2024 13:47
15-10-2024 13:47
22-10-2024 13:47
29-10-2024 13:47
Date & Time
Span
SpanRef
Span Low
Span High

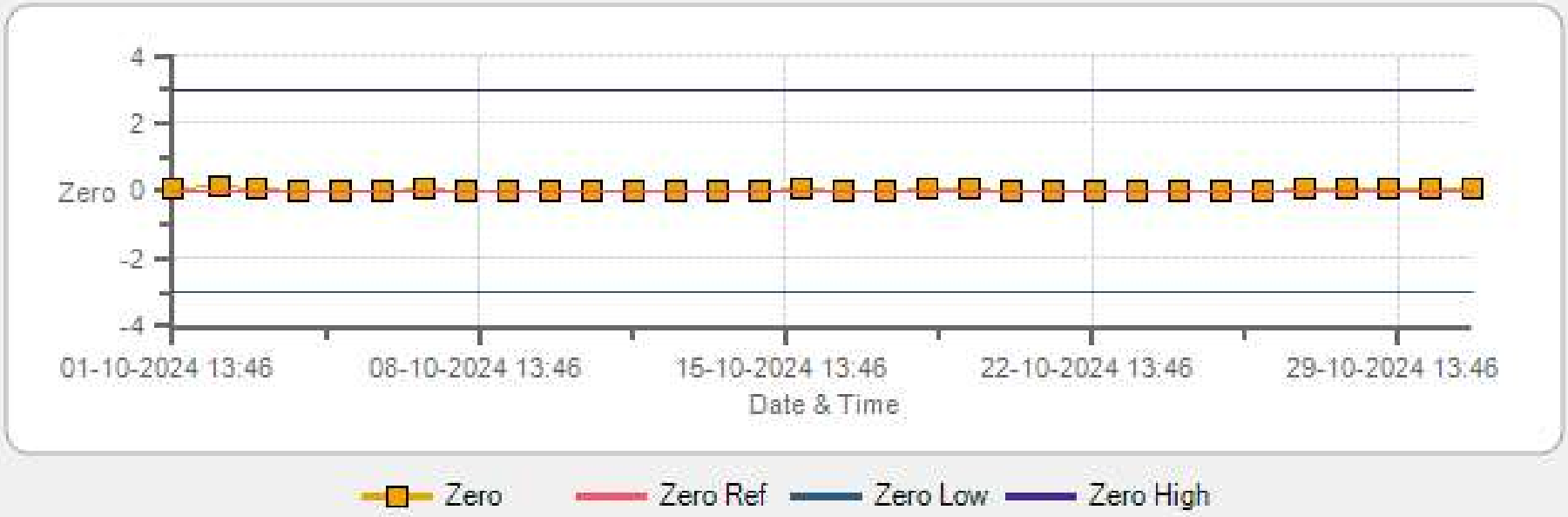
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



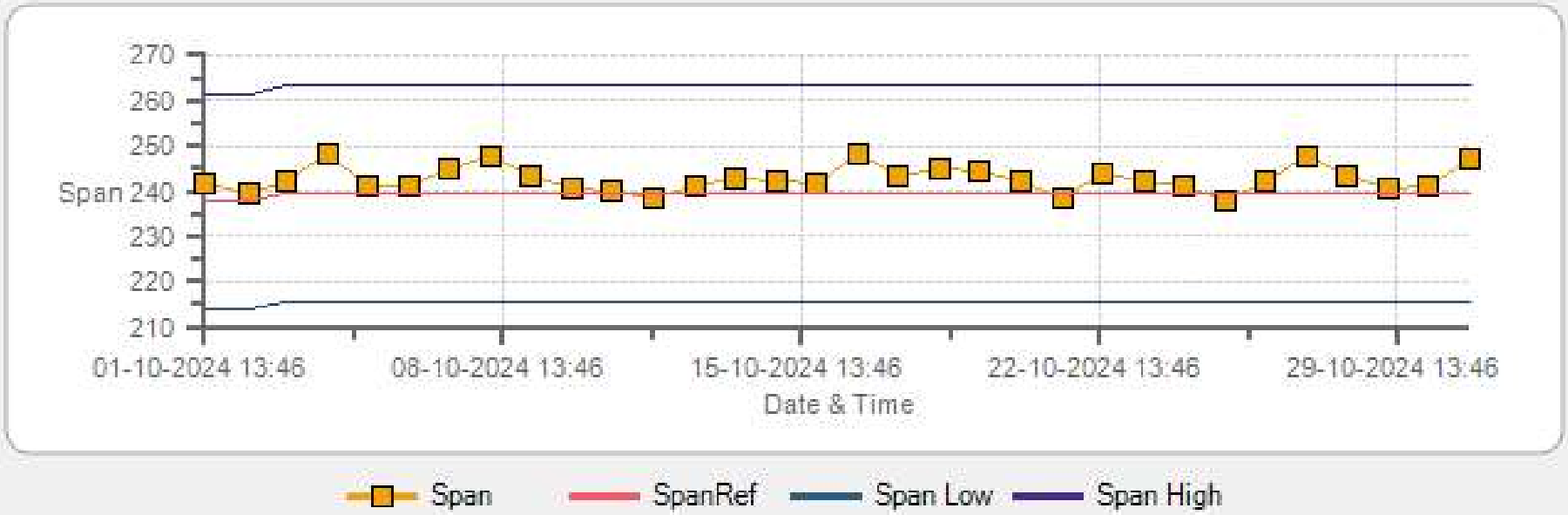
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



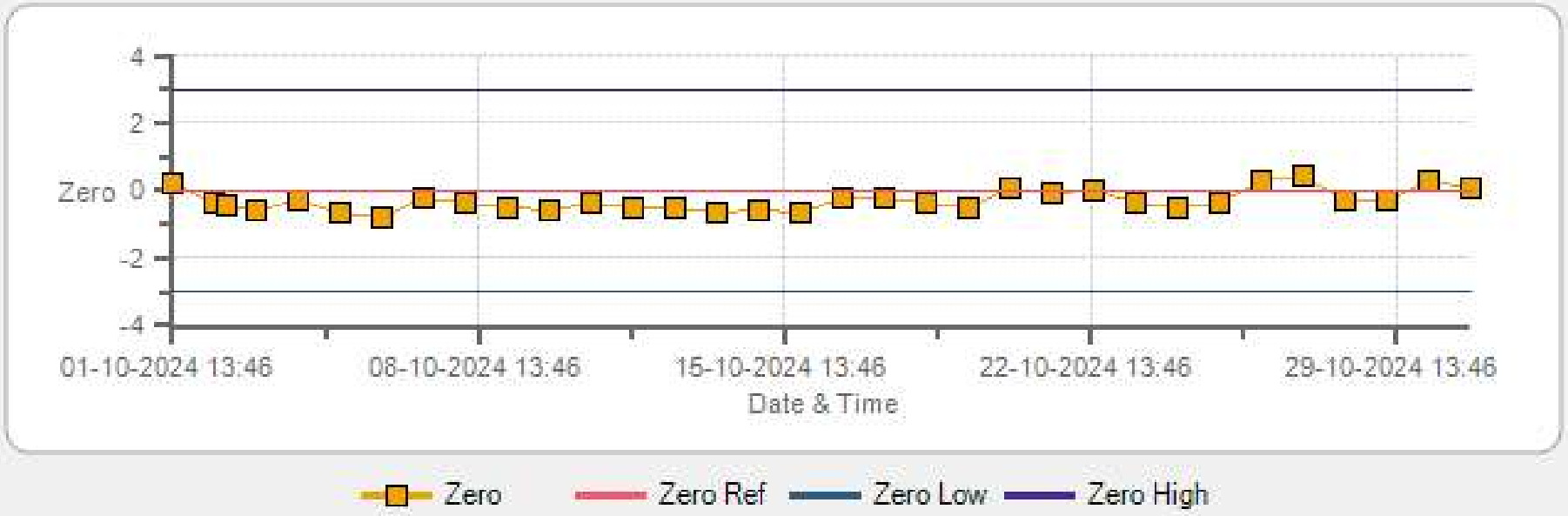
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



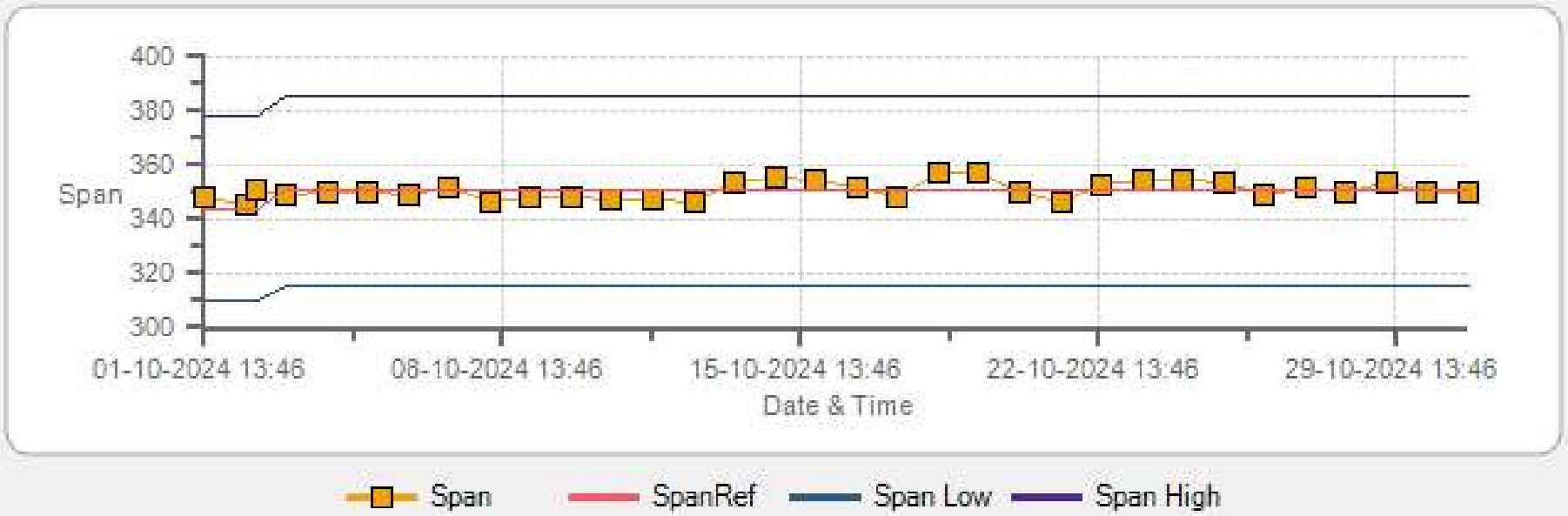
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



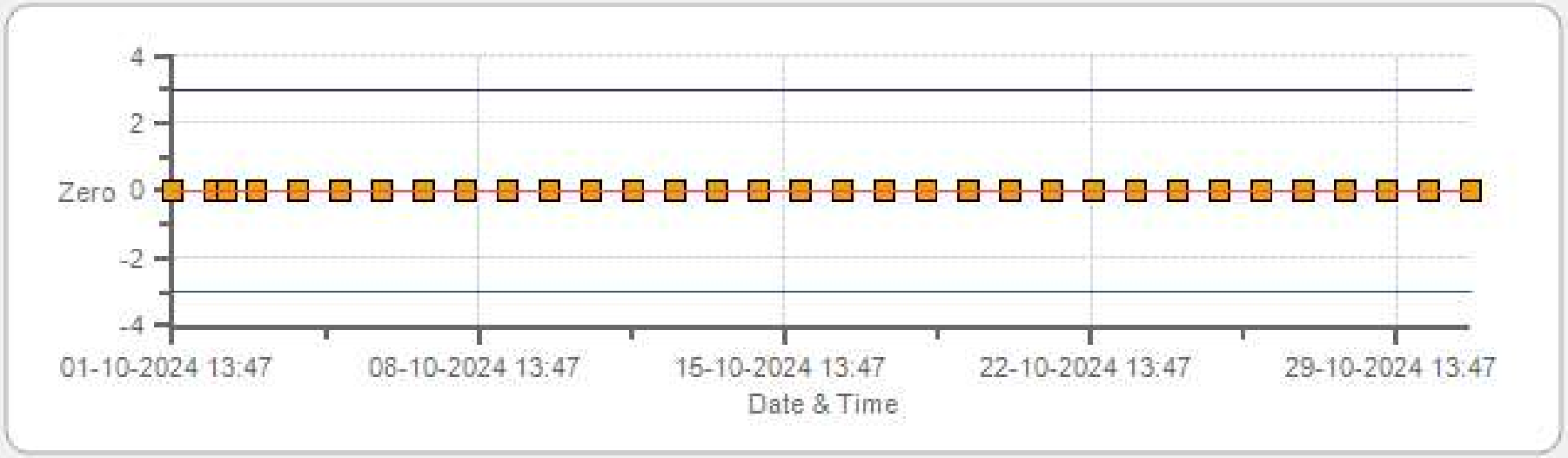
O3[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



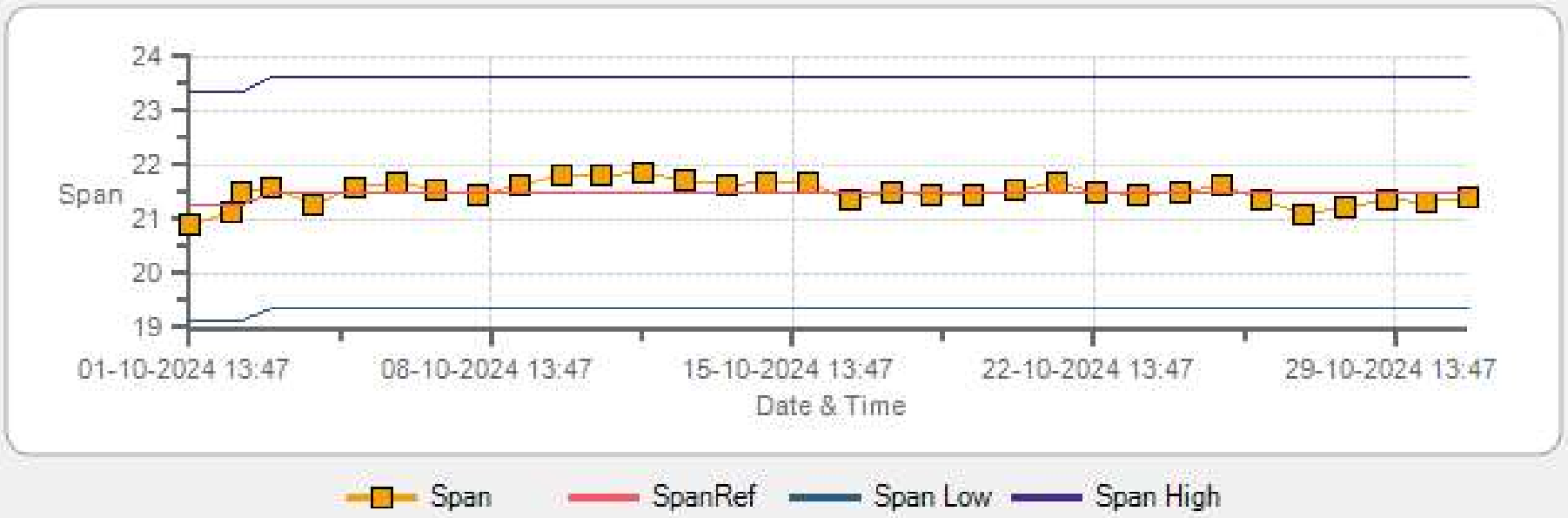
O3[ppb] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



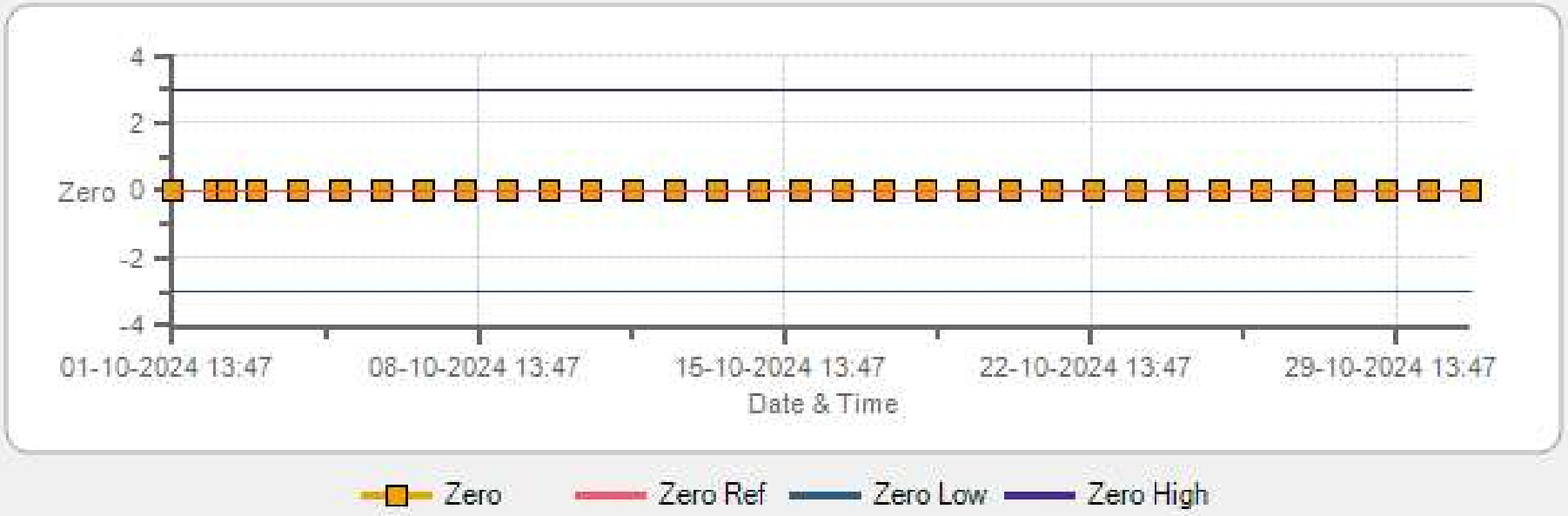
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



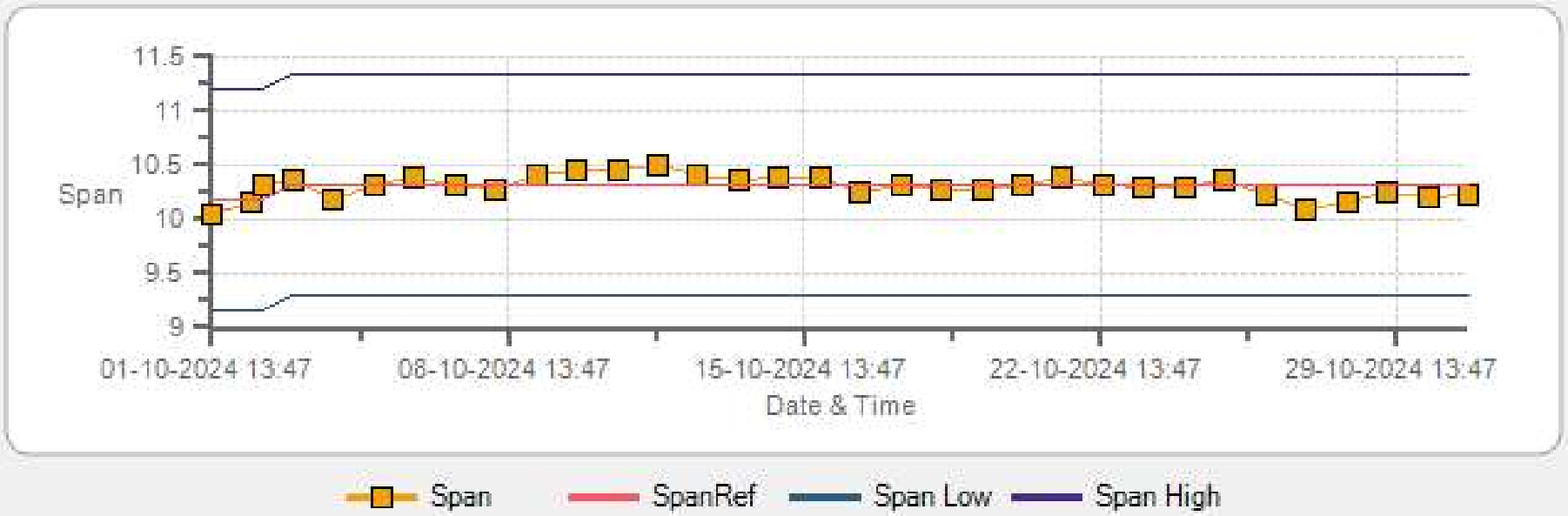
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



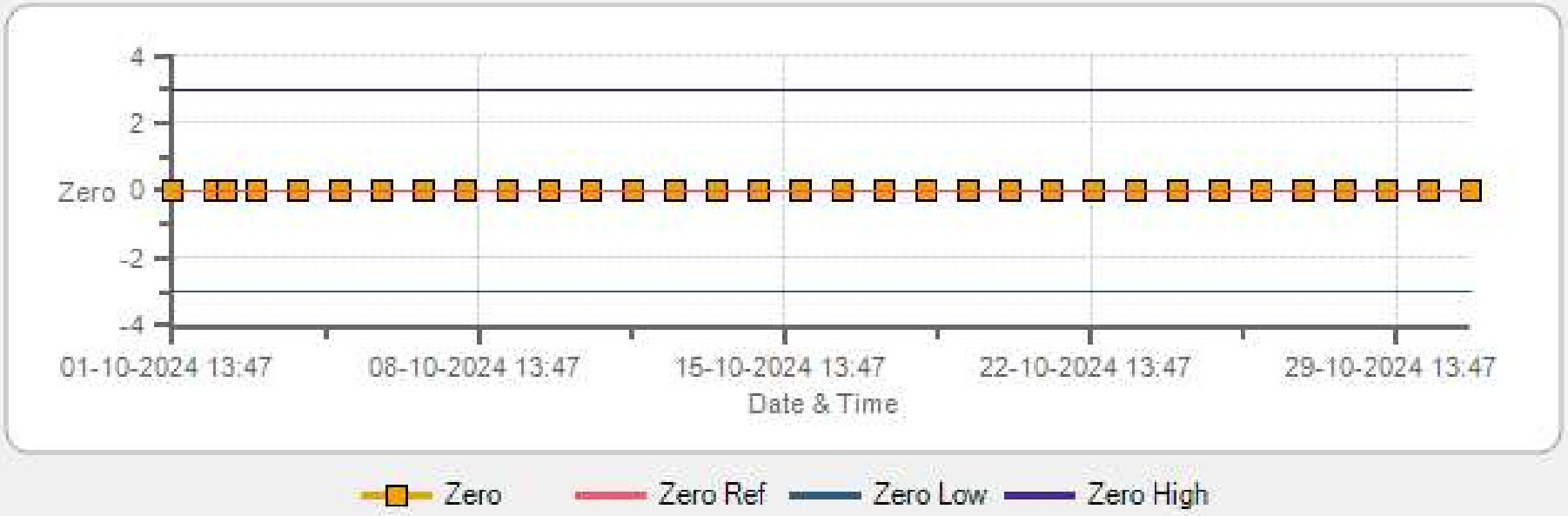
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



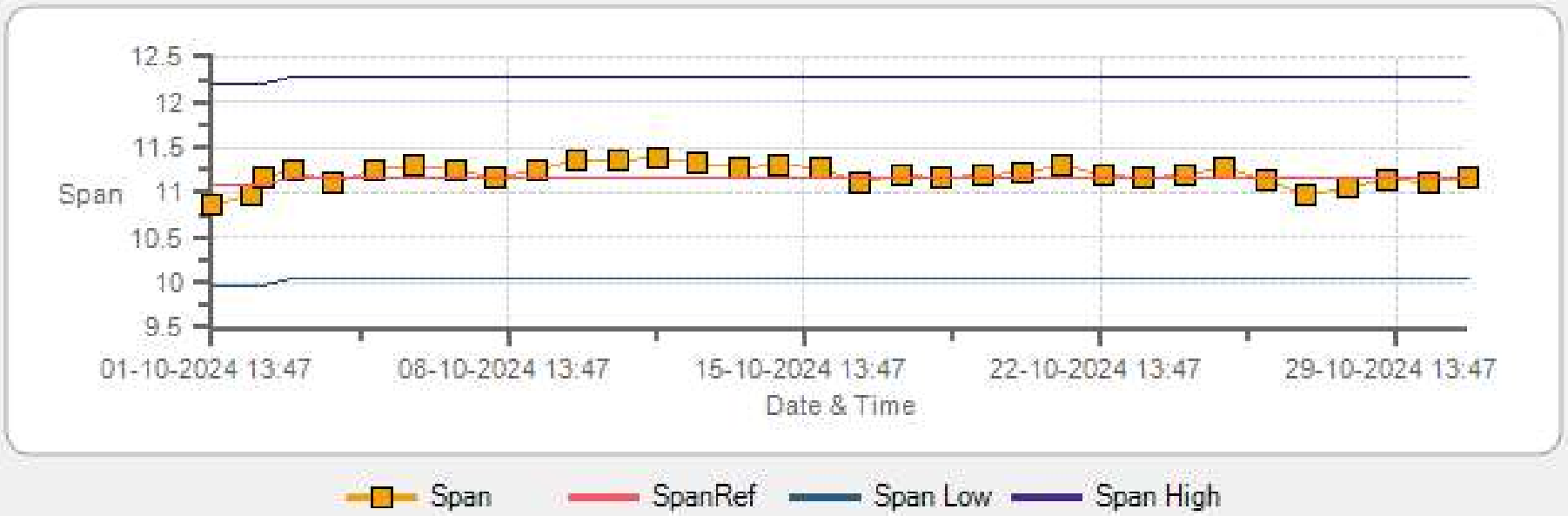
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 10-2024 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	02-Oct-2024	PREVIOUS CALIBRATION DATE:	05-Sep-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.9
LOCATION:	Grimshaw	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:08
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:13

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500 ppb
SERIAL #	722	FLOW (mL/min)	464
INITIAL		FINAL	
BKG/OFFSET	35	BKG/OFFSET	35.9
COEF/SLOPE	0.932	COEF/SLOPE	0.911
Expected (reference) Value	266.4	Expected (reference) Value	263.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	2000	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	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		
4000		4000	0.00	0.2	0		
3937	60.60	3998	380.46	386.9	380.6	0.984	1.000
3971	28.70	4000	180.09	n/a	180.4	n/a	0.998
3986	14.30	4000	89.73	n/a	89.9	n/a	0.998

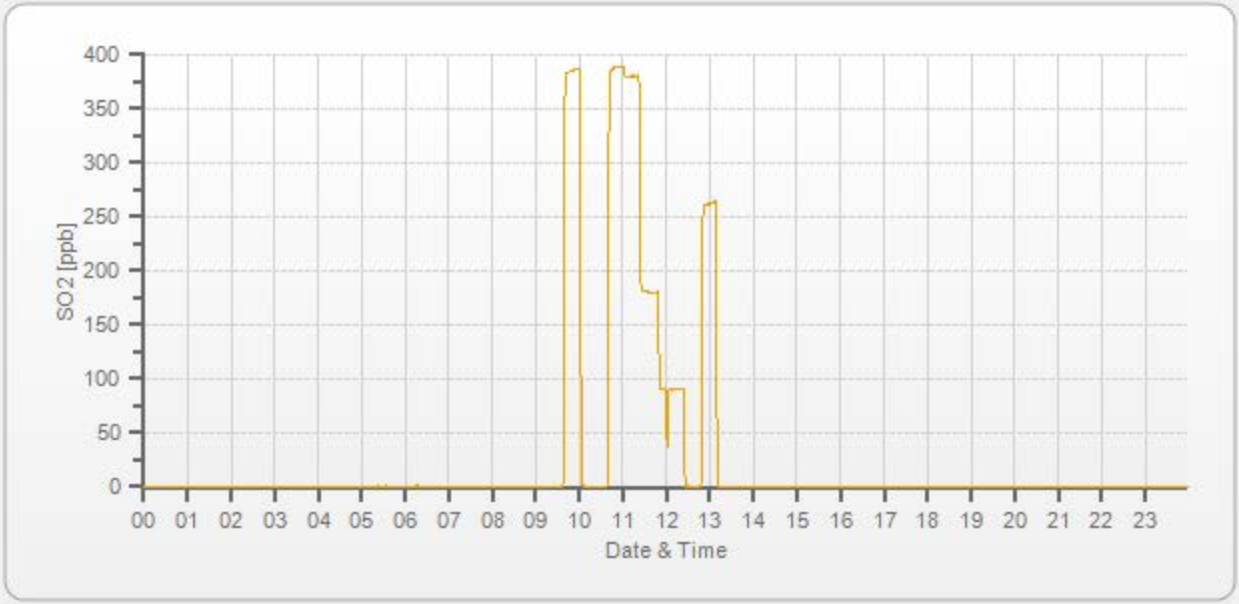
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.0%

COMMENTS:

Sample filter changed
12:00=Daily ZS. Low point restarted

SO2[ppb] Station: AQHI Grimshaw Daily: 2024-10-02 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	02-Oct-2024	PREVIOUS CALIBRATION DATE:	05-Sep-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.997
CLIENT:	PRAMP	TEMPERATURE (°C):	22.9
LOCATION:	Grimshaw	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:08
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:13

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100 ppb
SERIAL #	12409233394	FLOW (mL/min)	366
INITIAL		FINAL	
BKG/OFFSET	1.39	BKG/OFFSET	1.57
COEF/SLOPE	1.087	COEF/SLOPE	1.102
Expected (reference) Value	61.64	Expected (reference) Value	63.09

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	850	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	0.05	0		
3967	30.90	3998	77.98	76.24	78.26	1.024	0.996
3985	15.10	4000	38.09	n/a	38.02	n/a	1.002
3993	7.50	4000	18.92	n/a	19.04	n/a	0.994

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.003	0.0%

COMMENTS:

Sample filter changed
12:00=Daily ZS. Low point restarted

TRS[ppb] Station: AQHI Grimshaw Daily: 2024-10-02 Type: AVG 1 Min. [1 Min.]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

DATE:	02-Oct-2024	PREVIOUS CALIBRATION DATE:	05-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.9
LOCATION:	Grimshaw	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	09:09
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:25

ANALYZER:

MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
SERIAL #:	12409233392	NOx	1.001
FLOW (mL/min)	650	NO	1.000
RANGE (ppb)	500	NO2	0.996
GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	EY0001716		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	49.2	49.4	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	300		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.6	1.5	n/a	BKG/OFFSET:	1.6	1.5	n/a
SLOPE/COEF/CE:	1.004	1.244	0.996	SLOPE/COEF/CE:	1.003	1.261	0.996

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	239.7	2.0	237.7		241.4	1.8	239.6

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	-0.2	-0.2	0.0	0.0	0.0	0.0						
4960	40.10	5000	394.6	396.2	1.6	389.0	390.4	1.4	394.9	396.2	1.3	1.014	1.014		0.999	1.000	
4982	18.30	5000	180.1	180.8	0.7	n/a	n/a	n/a	178.7	179.3	0.6	n/a	n/a		1.008	1.008	
4990	9.10	4999	89.6	89.9	0.4	n/a	n/a	n/a	88.6	88.9	0.3	n/a	n/a		1.011	1.012	

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	5000	0	394.6	396.2	1.6				
AS-FOUND HIGH	40.10	5000	260	138.8	396.0	257.2	255.8	255.6	1.001	99.92%
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	5000	154	243.3	395.8	152.5	151.3	150.9	1.003	99.74%
LOW	40.10	5000	54	341.8	395.6	53.9	52.8	52.3	1.010	99.05%
NO2 adjustment not required.									AVERAGE:	99.57%

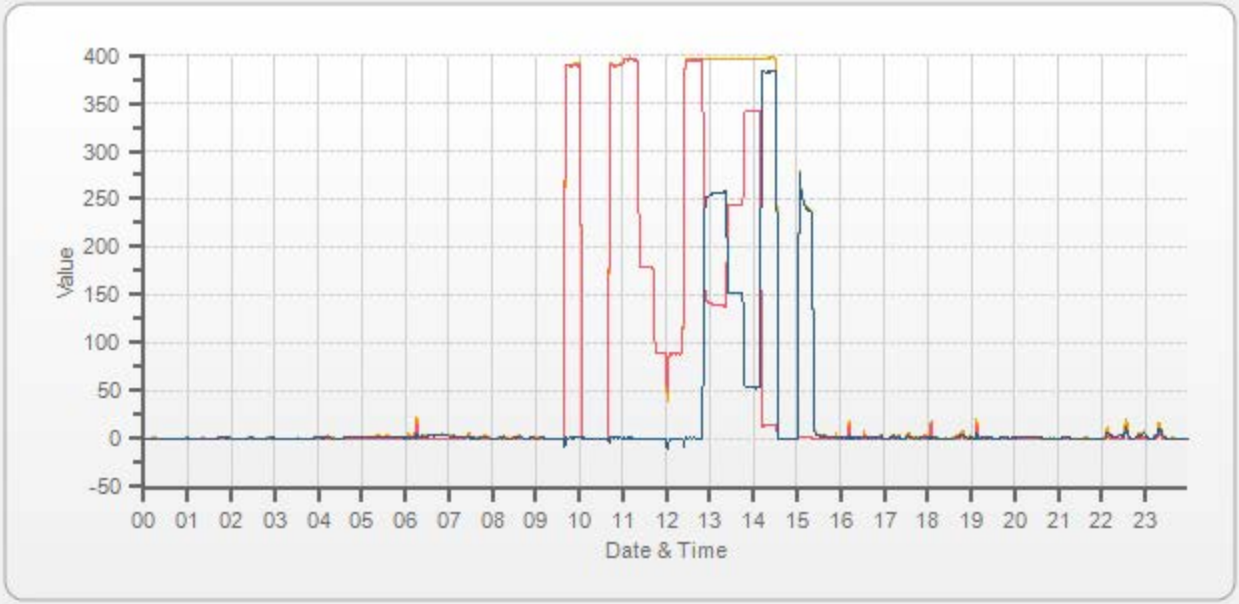
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	1.001	-0.15%
NOx	1.000	1.001	-0.15%
NO2	1.000	1.001	-0.12%

COMMENTS:

Extra GPT point for O3: Setting = 380, O3 drop = 384.6
12:00=Daily ZS. Low point restarted
Sample filter changed

Station: AQHI Grimshaw Daily: 2024-10-02 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	02-Oct-2024	PREVIOUS CALIBRATION DATE:	05-Sep-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	22.2
LOCATION:	Grimshaw	BAROMETRIC (mBar):	946
PURPOSE	Routine	START TIME (MST):	14:54
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	19:20

ANALYZER:

MAKE/MODEL	Thermo 49iQ	RANGE	500 ppb
SERIAL #	12326230141	FLOW (mL/min)	1250
INITIAL		FINAL	
BKG/OFFSET	4.5	BKG/OFFSET	4.9
COEF/SLOPE	1.009	COEF/SLOPE	1.01
Expected (reference) Value	344	Expected (reference) Value	350.8

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	26701218	ID:	80
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION METHOD:		Direct GPT	
GPT DATE:	02-Oct-2024	GPT END TIME:	14:36

CALIBRATION PARAMETERS:

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

CALIBRATION:

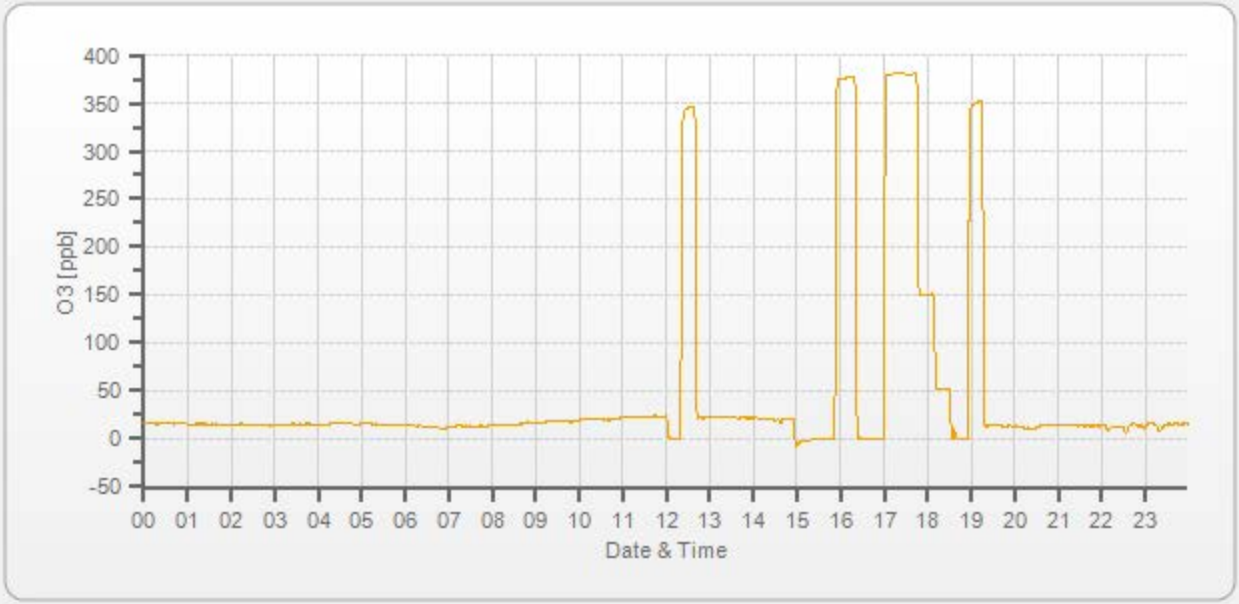
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
5000		5000	0.0	-0.2	0.0		
5000		5000	380.6	376.8	380.5	1.010	1.000
5000		5000	151.3	n/a	150.3	n/a	1.007
5000		5000	52.8	n/a	52.5	n/a	1.006

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	-0.1%

COMMENTS:

Sample filter changed


O3[ppb] Station: AQHI Grimshaw Daily: 2024-10-02 Type: AVG 1 Min. [1 Min.]
O3 [ppb]
400
350
300
250
200
150
100
50
0
-50
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:	02-Oct-2024	PREVIOUS CALIBRATION DATE:	05-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	21.2
LOCATION:	Grimshaw	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	13:24
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:55

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1071
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:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	No
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	n/a

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.18	11.08	21.26		10.32	11.17	21.50

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	14.33	13.19	27.52	14.56	13.43	27.99	1.016	1.019	1.017	1.000	1.000	1.000
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.31	6.79	14.10	n/a	n/a	n/a	0.998	0.991	0.994
3087	12.60	3100	3.65	3.36	7.01	n/a	n/a	n/a	3.66	3.45	7.11	n/a	n/a	n/a	0.996	0.975	0.986

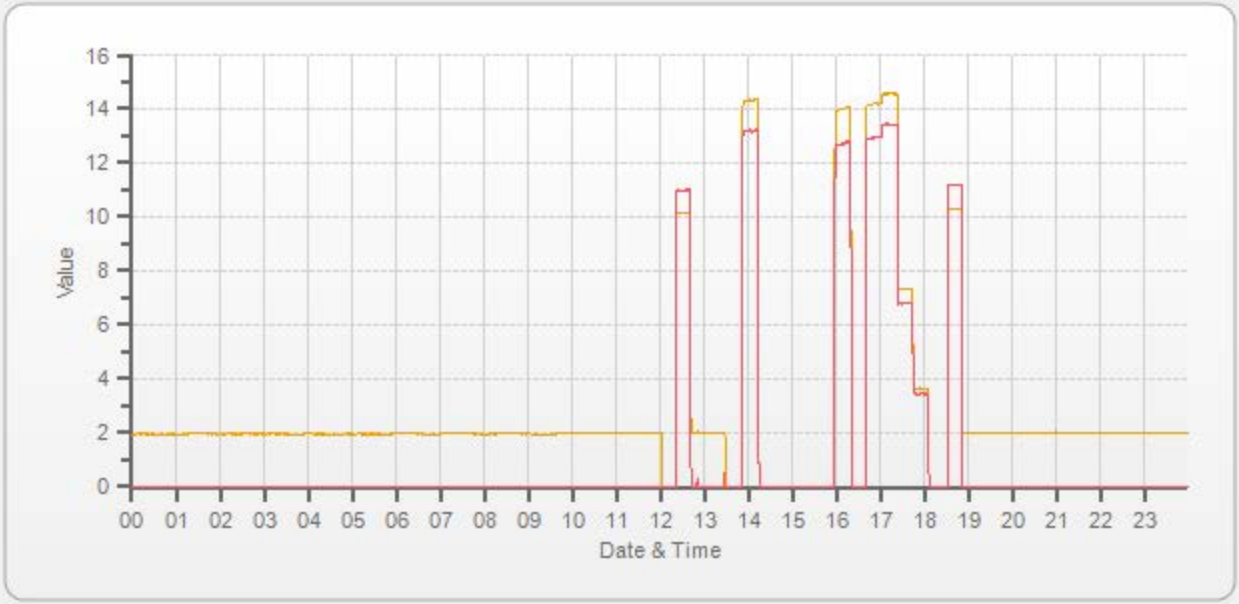
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	0.0%
NMHC	1.000	0.998	0.2%
THC	1.000	0.999	0.1%

Comments:

Sample filter changed
H2 Dessicant Renewed
16:21 = Restarted at adjusted zero as analyzer was drifting at high

Station: AQHI Grimshaw Daily: 2024-10-02 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	October 2, 2024	September 5, 2024	**Weather Conditions:**	Clear	
Company:	PRAMP		**Start Time (mst):**	15:18	
Station:	Grimshaw		**End Time (mst):**	17:10	
Parameter:	PM 2.5		**Performed By/Reviewer:**	Kevin Sebastian	Chris Wesson

Instrument Data:

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

Reference Standards/I.D./Expiry Date:

Flow Standard:	Deltacal DC1 #206578, Exp Nov 27, 2024	**Temperature:**	Deltacal DC1 #206578, Exp Nov 27, 2024
Digital Manometer:	Deltacal DC1 #206578, Exp Nov 27, 2024	**Pressure:**	Deltacal DC1 #206578, Exp Nov 27, 2024

DIAGNOSTICS:

Ambient Pressure (mmHg)	709.7	Ambient Temp (°C)	3.3	ASC Heater Duty (%)	0.0
Box Temp (°C)	25.1	Current PMT HV (V)	1540	LED Temp (°C)	33.45
P3 Value	47	PMT Setting (V)	1547	Pump PWM (%)	84
Sample Flow (L/min)	5.00	Sample RH (%RH)	20.5	Sample Temp (°C)	23.1

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)	708.8	709.6	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	3.40	3.2	n/a		+/- 2°C
Sample Flow (L/min)	5.10	4.95	5.10	5.1	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
					Completed
				Inlet cleaned?	Yes
				Sample tubing inspected (inner and outer)?	Yes

Comments:

Alert: 09/8/24: Check internal pump
Changed DFU

Meteorological System Checklist

Date:	October 2, 2024		
Technician:	Kevin Sebastian		
Station:	PRAMP Grimshaw		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Vaisala	HMP155	N2910506
Barometric Pressure Sensor:	MetOne	92	A2397
Relative Humidity Sensor:	Vaisala	HMP155	N2910506
Anemometer:	RM Young	05305AQ	174801
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	September 5, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS 181341226 expires July 24, 2025		
Reference Temperature (^{o}C):	3.1		
Station - Ambient Temperature (^{o}C):	2.7		
Temperature Difference (^{o}C):	0.4		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	September 5, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 24,2025		
Reference Pressure - Units/Reading:	millibar	944	
Station Pressure - Units/Reading:	millibar	945	
Pressure Tolerance +/- 15% of error:	802 - 1086	-0.11%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	September 5, 2024		
Reference Hygrometer ID:	FS 181341226 expires July 24, 2025		
Reference Hygrometer % RH- Reading:	70.30		
Station Hygrometer % RH- Reading:	73.40		
RH Tolerance +/- 15% of difference:	59.76 - 80.85	-4.4%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	September 5, 2024	Previous check date:	September 5, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	NW
Wind speed on Data Logger (kph):	6.1	Wind Direction on Data Logger:	NW
		Wind Direction Pass/Fail?:	Pass
Comments			
No issues			

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Grimshaw	**Reviewed By:**	Limin Li
Audit Date:	August 21, 2024	**Start/End Time (mst):**	15:04 - 16:36
Calibration Purpose:	routine annual	**Weather Conditions:**	Mix of sun and 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:**	0-200
Serial #:	174801	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 2, 2023	**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	55.2	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.6	110.5	1.000
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	3	354	3.0	1.0	2.0
30	330	30	336	0.0	-6.0	3.0
60	300	59	305	1.0	-5.0	3.0
90	270	90	274	0.0	-4.0	2.0
120	240	119	239	1.0	1.0	1.0
150	210	149	207	1.0	3.0	2.0
180	180	177	178	3.0	2.0	2.5
210	150	206	149	4.0	1.0	2.5
240	120	238	118	2.0	2.0	2.0
270	90	273	90	-3.0	0.0	1.5
300	60	305	60	-5.0	0.0	2.5
330	30	336	31	-6.0	-1.0	3.5
355	0	354	3	1.0	3.0	2.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.3**

Comments:

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

END OF REPORT

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202410-01698

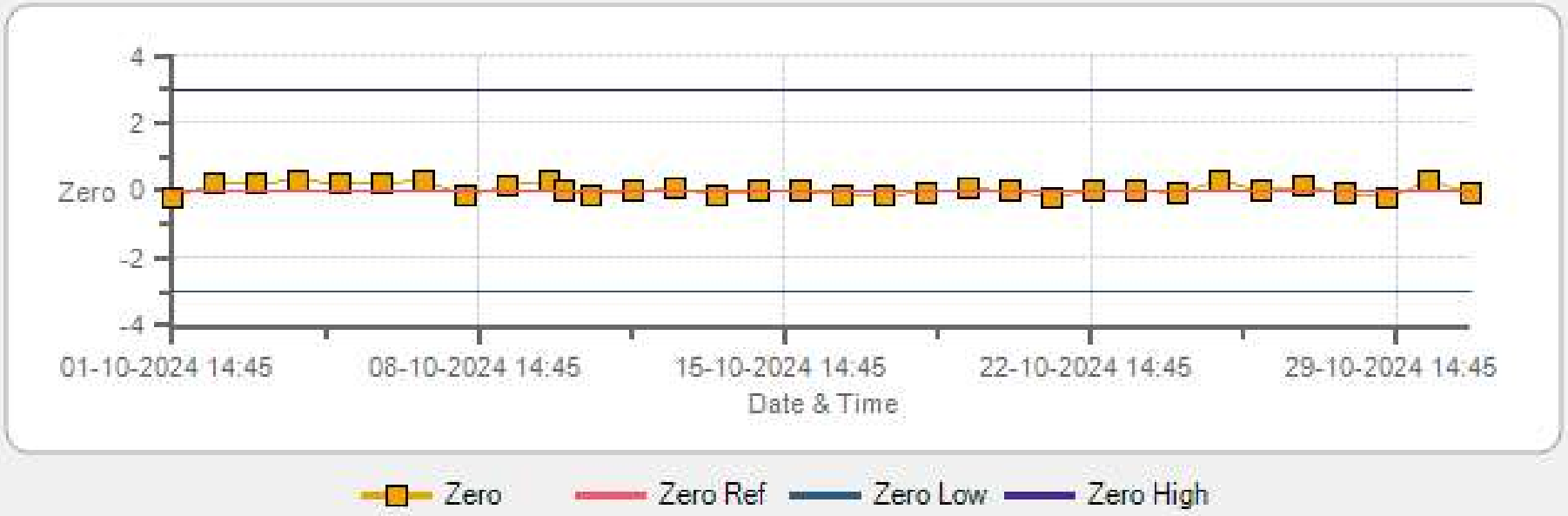
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

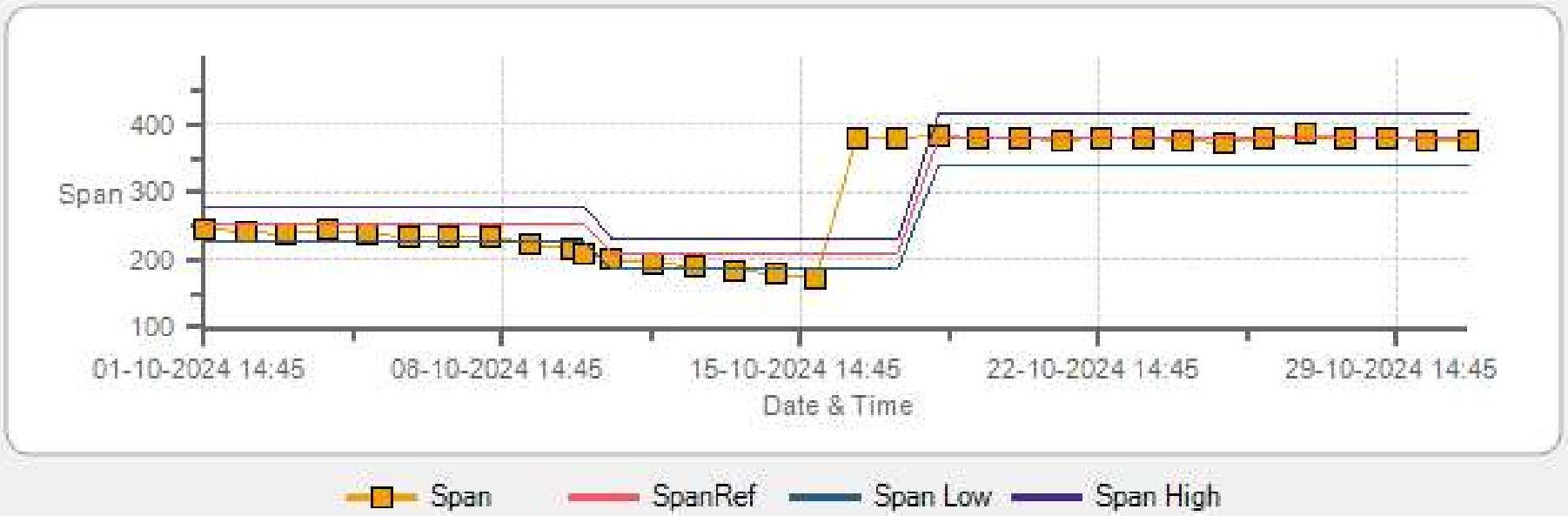
November 21, 2024

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

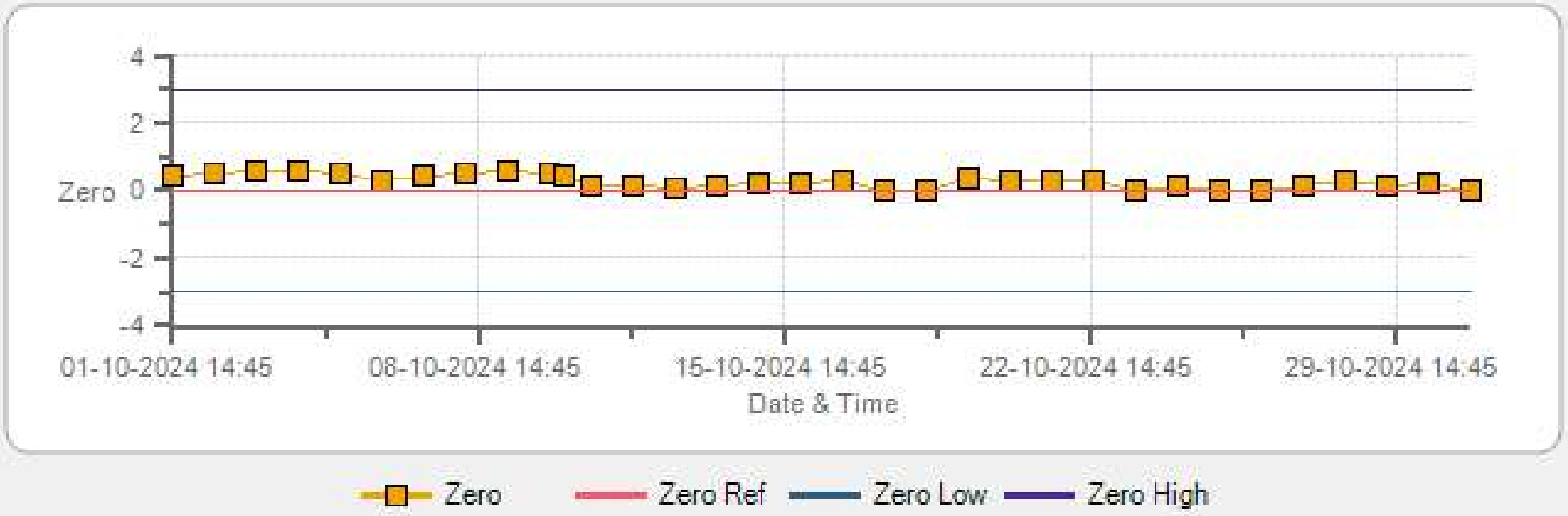
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero



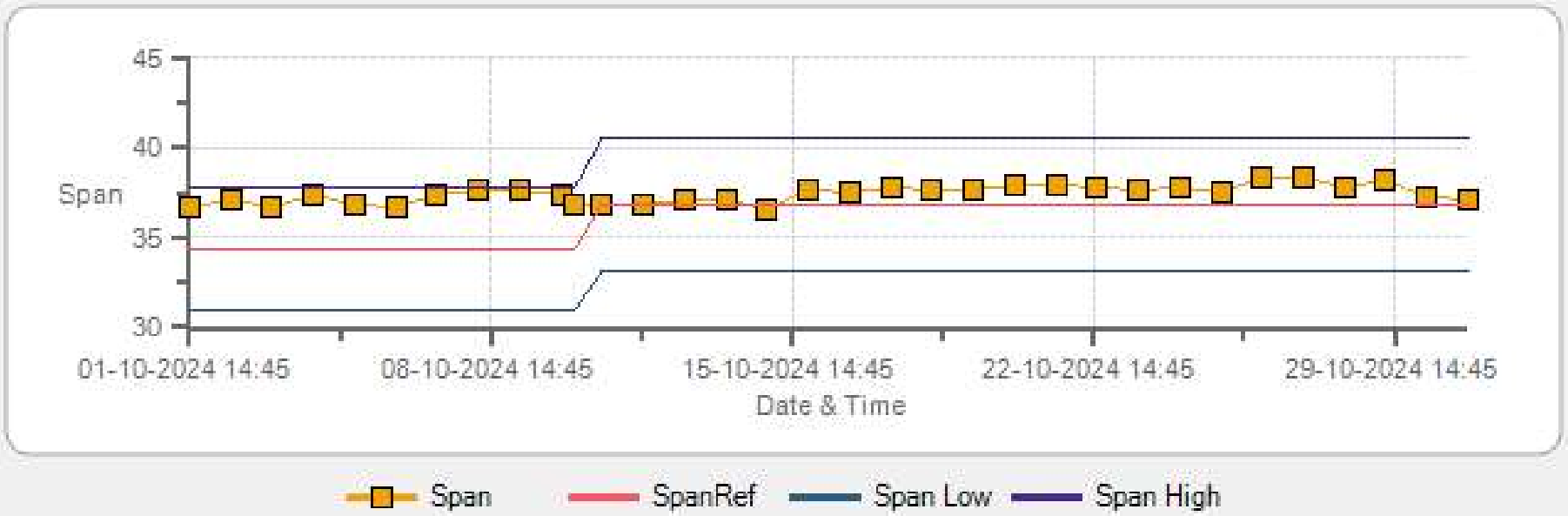
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span

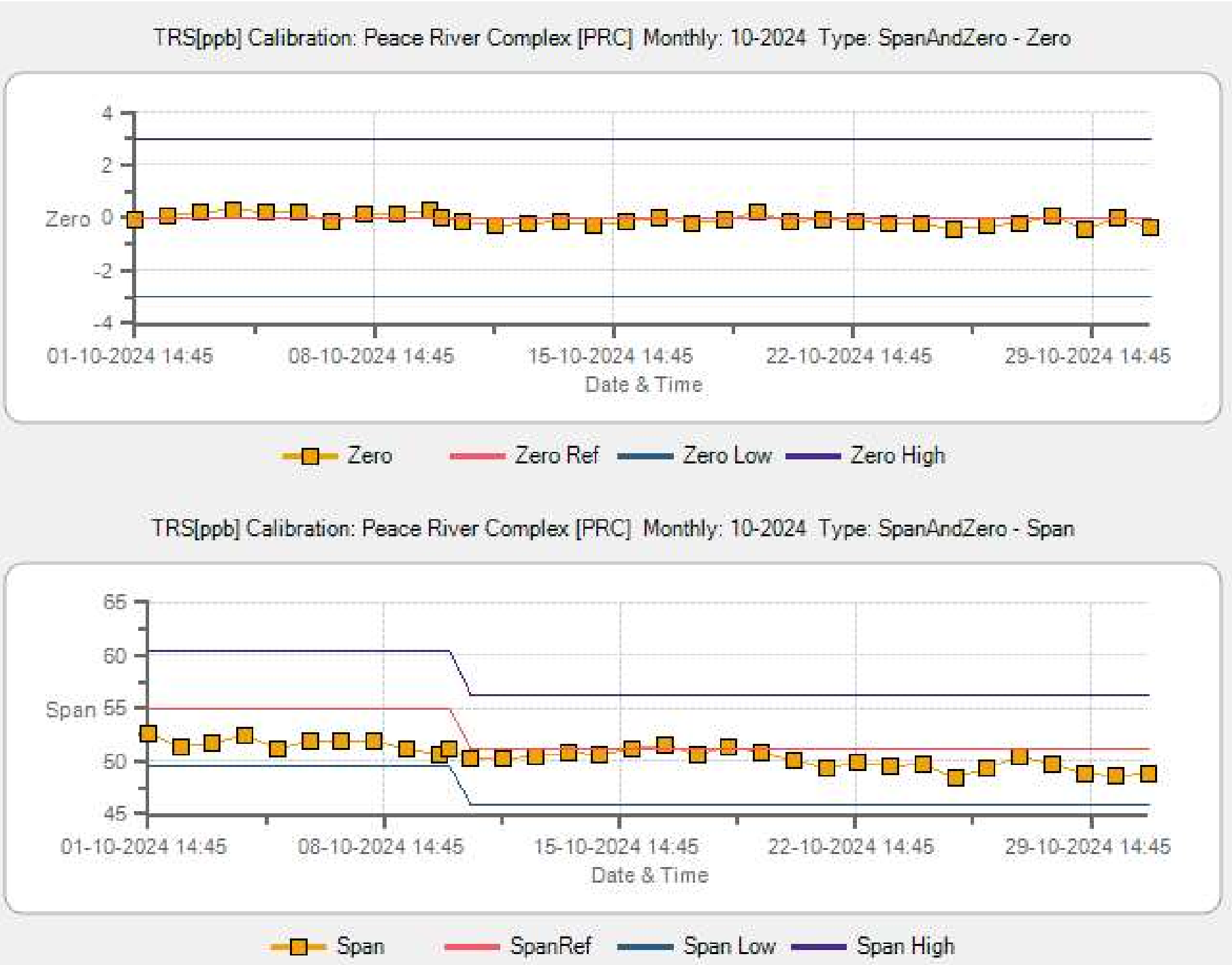


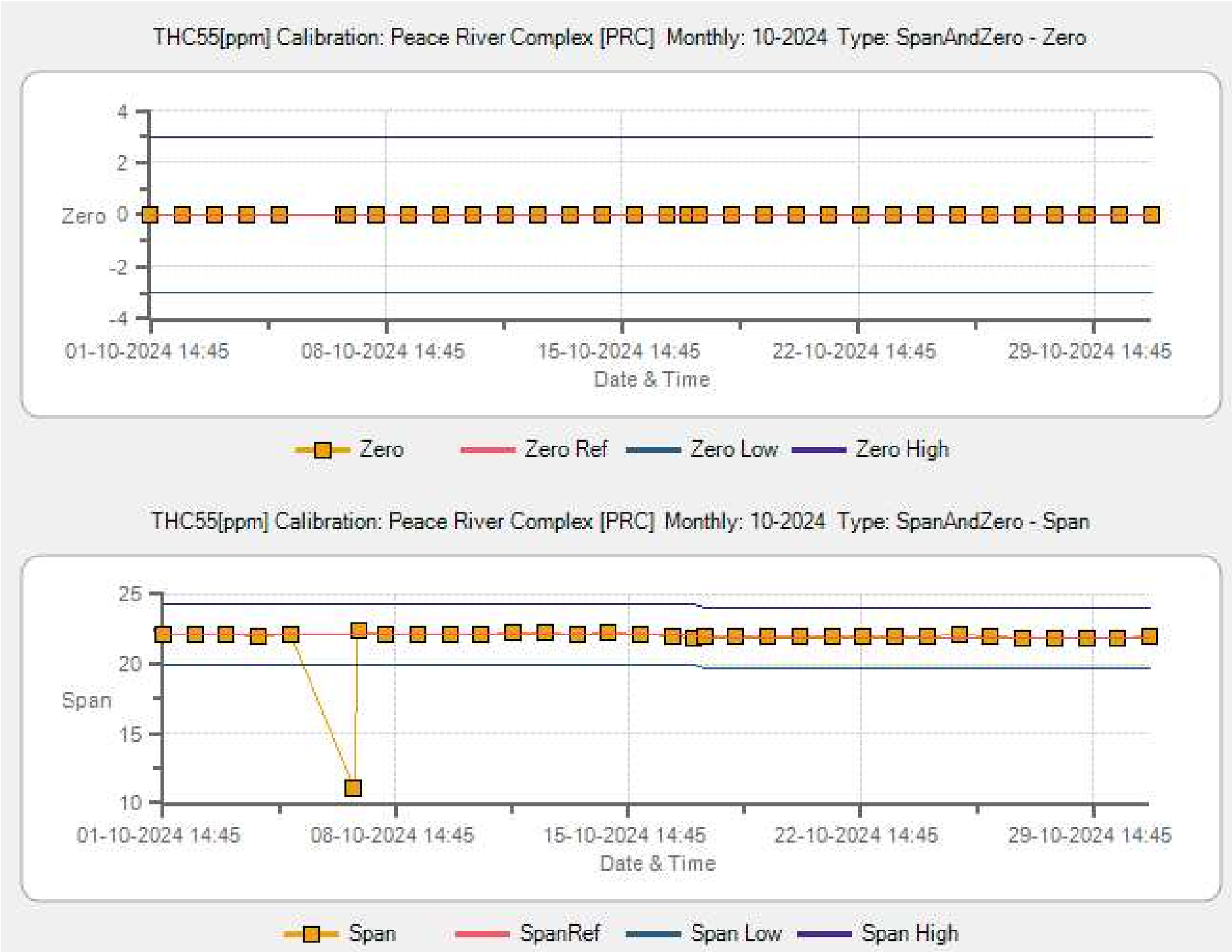
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero

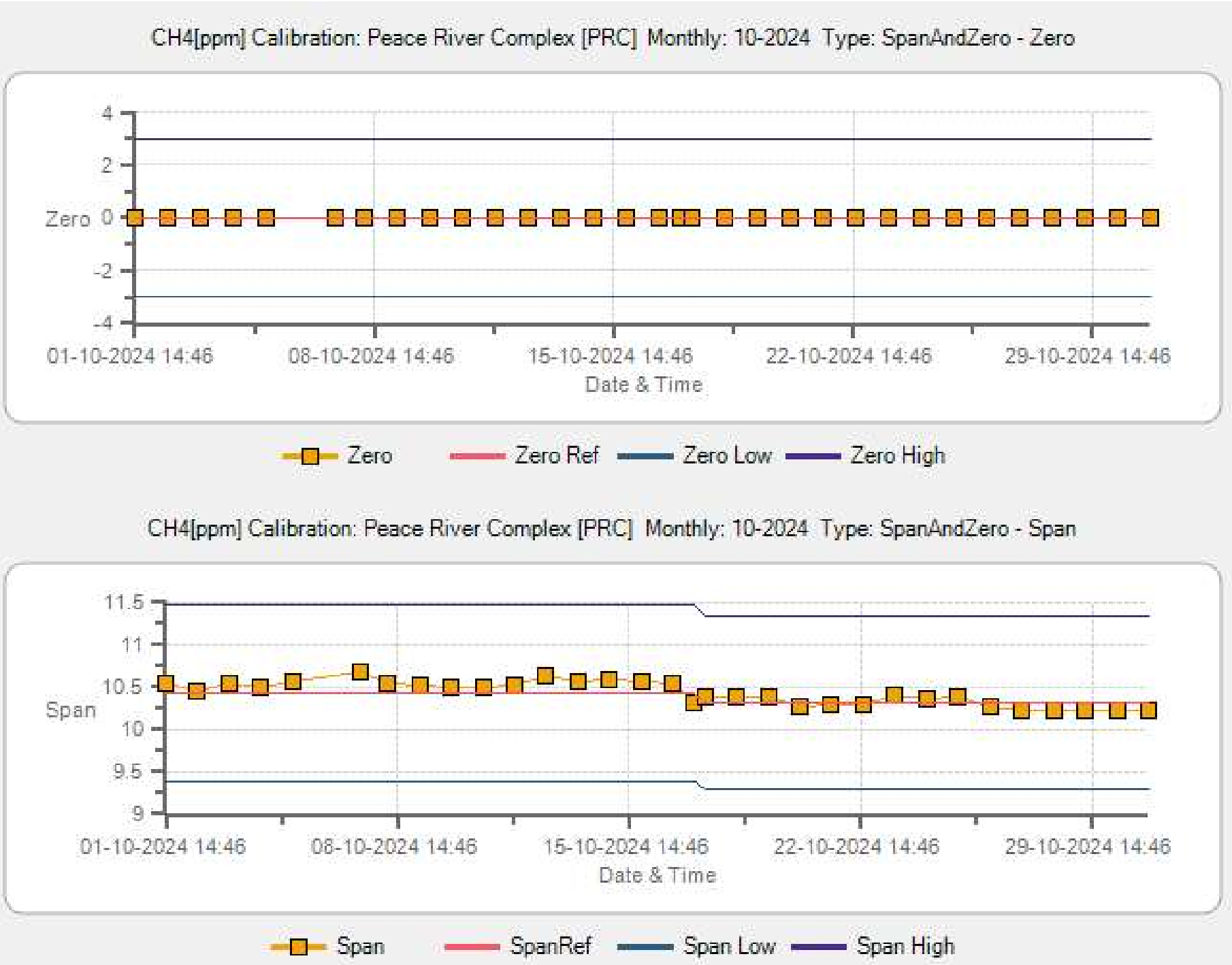


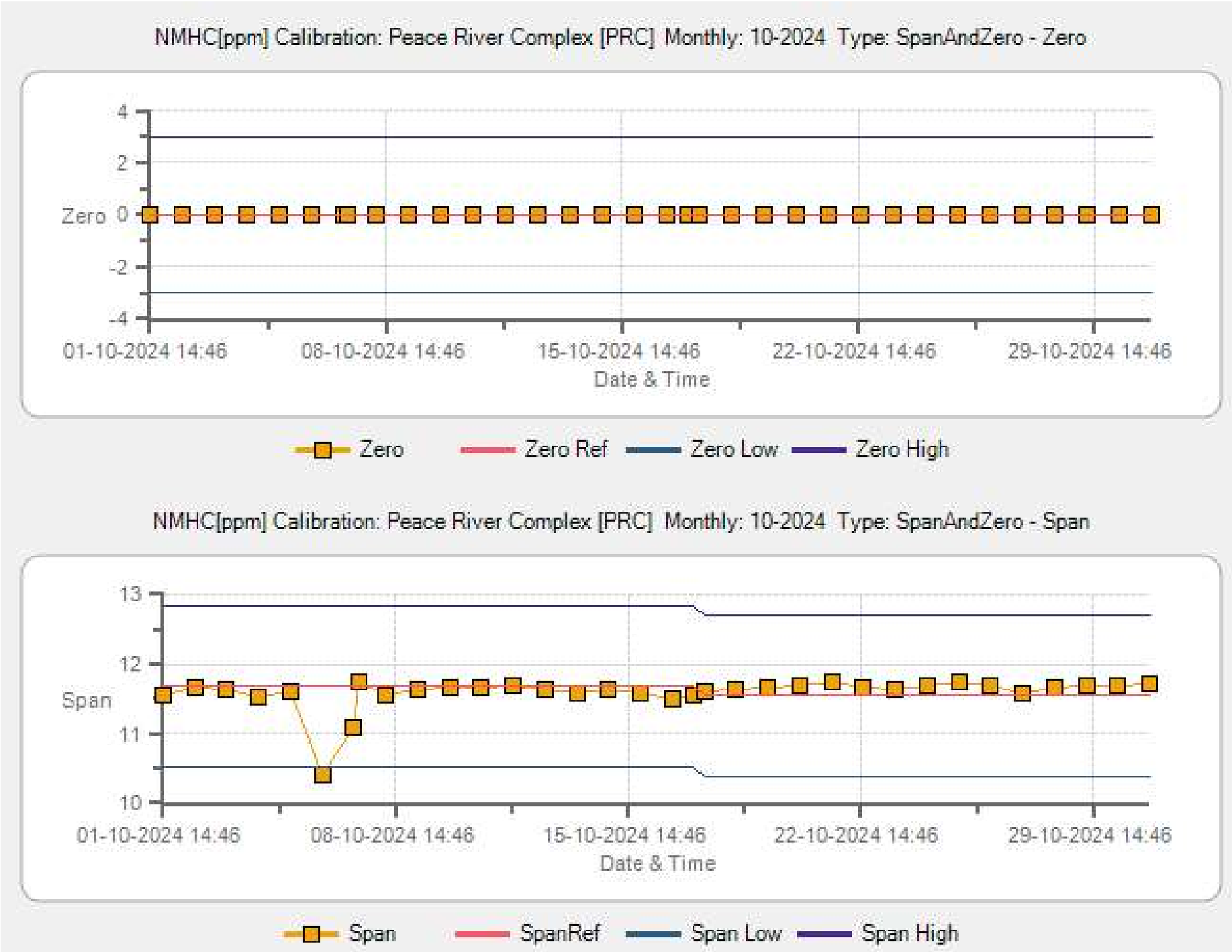
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span




TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-10-2024 14:45
08-10-2024 14:45
15-10-2024 14:45
22-10-2024 14:45
29-10-2024 14:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span
65
60
Span 55
50
45
01-10-2024 14:45
08-10-2024 14:45
15-10-2024 14:45
22-10-2024 14:45
29-10-2024 14:45
Date & Time
Span
SpanRef
Span Low
Span High


THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-10-2024 14:45
08-10-2024 14:45
15-10-2024 14:45
22-10-2024 14:45
29-10-2024 14:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span
25
20
Span
15
10
01-10-2024 14:45
08-10-2024 14:45
15-10-2024 14:45
22-10-2024 14:45
29-10-2024 14:45
Date & Time
Span
SpanRef
Span Low
Span High


CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-10-2024 14:46
08-10-2024 14:46
15-10-2024 14:46
22-10-2024 14:46
29-10-2024 14:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span
11.5
11
10.5
Span
10
9.5
9
01-10-2024 14:46
08-10-2024 14:46
15-10-2024 14:46
22-10-2024 14:46
29-10-2024 14:46
Date & Time
Span
SpanRef
Span Low
Span High


NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-10-2024 14:46
08-10-2024 14:46
15-10-2024 14:46
22-10-2024 14:46
29-10-2024 14:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 10-2024 Type: SpanAndZero - Span
13
12
Span
11
10
01-10-2024 14:46
08-10-2024 14:46
15-10-2024 14:46
22-10-2024 14:46
29-10-2024 14:46
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	10-Oct-2024	PREVIOUS CALIBRATION DATE:	10-Sep-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	09:27
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	442
INITIAL		FINAL	
BKG/OFFSET	19.7	BKG/OFFSET	19.6
COEF/SLOPE	1.126	COEF/SLOPE	1.107
Expected (reference) Value	253.2	Expected (reference) Value	208.4

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	2000	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	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:

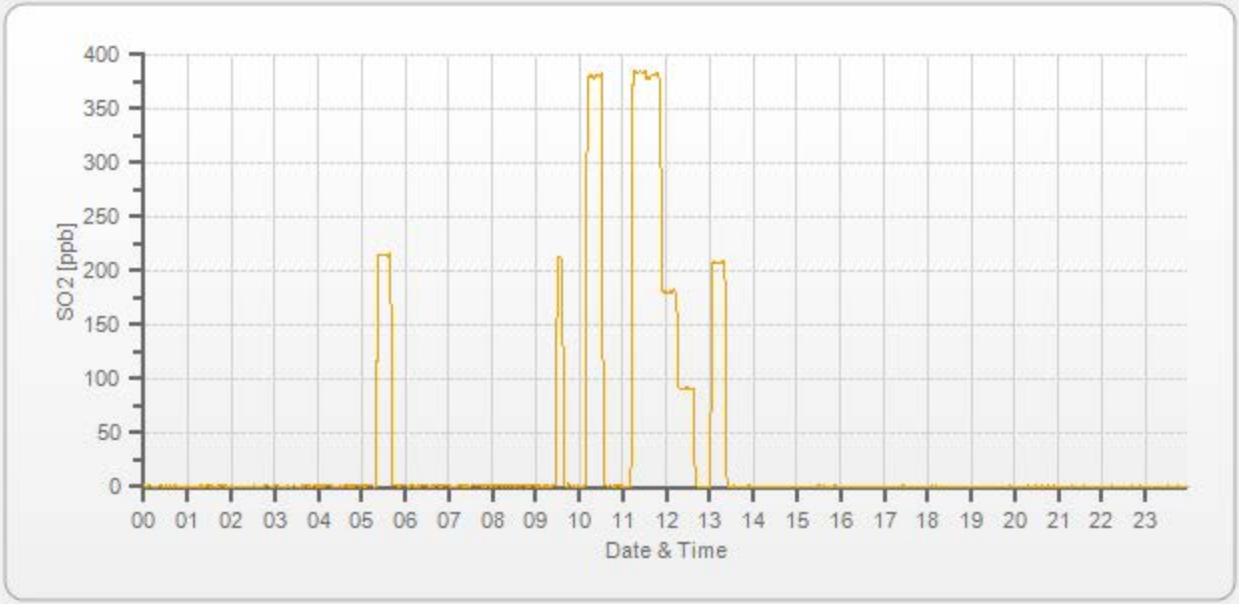
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0	0		
3939	60.60	4000	380.27	379.7	381.4	1.001	0.997
3970	28.70	3999	180.14	n/a	180	n/a	1.001
3984	14.40	3998	90.41	n/a	91	n/a	0.993

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.003	0.0%

COMMENTS:

Sample Filter Changed


SO2[ppb] Station: Peace River Complex [PRC] Daily: 2024-10-10 Type: AVG 1 Min. [1 Min.]
SO2 [ppb]
400
350
300
250
200
150
100
50
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
SO2 [ppb]

H2S Analyzer Calibration by Dilution

DATE:	10-Oct-2024	PREVIOUS CALIBRATION DATE:	10-Sep-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	09:27
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1308857354	FLOW (mL/min)	929
INITIAL		FINAL	
BKG/OFFSET	16.6	BKG/OFFSET	16.6
COEF/SLOPE	1.113	COEF/SLOPE	1.111
Expected (reference) Value	34.4	Expected (reference) Value	36.8

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	850	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.4	0		
3969	30.90	4000	77.95	77	78.1	1.018	0.998
3984	15.10	3999	38.10	n/a	38.2	n/a	0.997
3991	7.50	3998	18.93	n/a	19.4	n/a	0.976

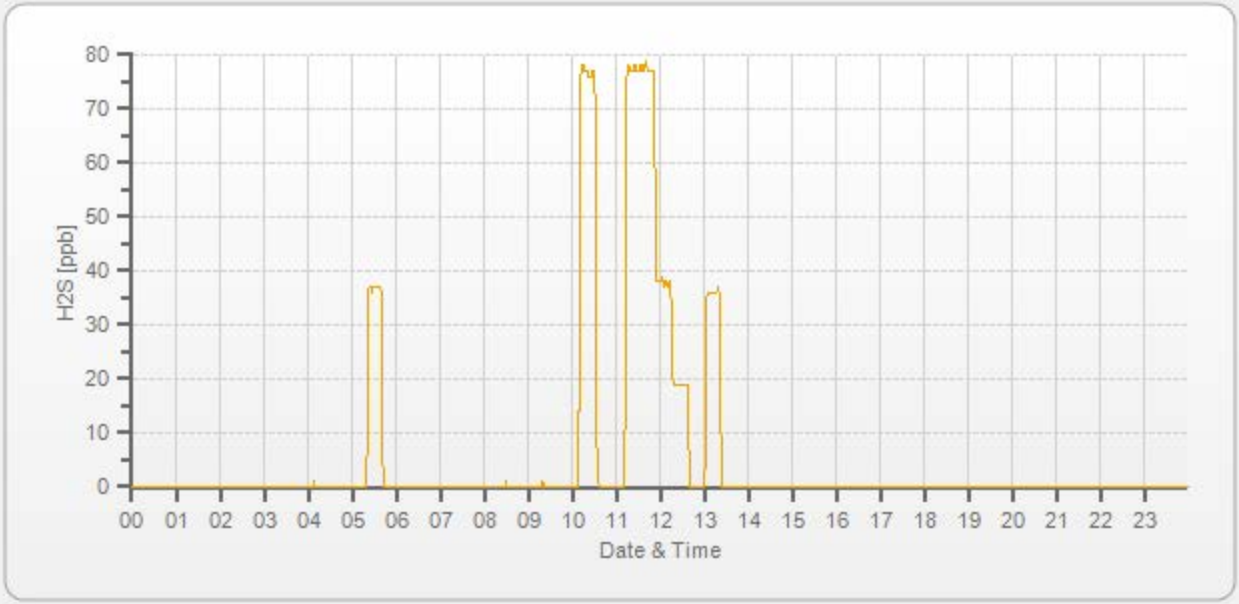
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.2%

COMMENTS:

Sample filter changed

H2S[ppb] Station: Peace River Complex [PRC] Daily: 2024-10-10 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	10-Oct-2024	PREVIOUS CALIBRATION DATE:	10-Sep-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.5
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	945
PURPOSE	Routine	START TIME (MST):	09:27
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100 ppb
SERIAL #	1034746224	FLOW (mL/min)	688
INITIAL		FINAL	
BKG/OFFSET	30	BKG/OFFSET	30.5
COEF/SLOPE	1.084	COEF/SLOPE	1.092
Expected (reference) Value	55.02	Expected (reference) Value	51.11

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	850	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

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

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

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

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.16	0		
3969	30.90	4000	77.95	75.77	78.13	1.031	0.998
3984	15.10	3999	38.10	n/a	37.37	n/a	1.020
3991	7.50	3998	18.93	n/a	19.1	n/a	0.991

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	-0.1%

COMMENTS:

TRS Converter CDNOVA CDN-101 #516
Sample filter changed

TRS[ppb] Station: Peace River Complex [PRC] Daily: 2024-10-10 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:	17-Oct-2024	PREVIOUS CALIBRATION DATE:	10-Sep-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	21.2
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	928
PURPOSE	Routine	START TIME (MST):	10:06
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:17

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1034745845	1081
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.995	1.000	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	800		LOW ID:	n/a
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	No
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.44	11.68	22.12		10.32	11.55	21.86

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3051	50.30	3101	14.55	13.43	27.98	14.90	13.47	28.37	14.62	13.45	28.07	0.977	0.997	0.986	0.995	0.998	0.997
3073	25.20	3098	7.30	6.73	14.03	n/a	n/a	n/a	7.37	6.81	14.18	n/a	n/a	n/a	0.990	0.989	0.989
3089	12.60	3102	3.64	3.36	7.01	n/a	n/a	n/a	3.71	3.41	7.11	n/a	n/a	n/a	0.982	0.986	0.985

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.004	0.1%
NMHC	1.000	1.001	0.1%
THC	1.000	1.003	0.1%

Comments:

Sample Filter Changed
H2 Desiccant Renewed

Station: Peace River Complex [PRC] Daily: 2024-10-17 Type: AVG 1 Min. [1 Min.]

Meteorological System Checklist

Date:	October 17, 2024		
Technician:	Kevin Sebastian		
Station:	Peace River Compliance		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Rotronic	HC2-S3	20558318
Barometric Pressure Sensor:	MetOne	092	B19577
Relative Humidity Sensor:	Rotronic	HC2-S3	20558318
Anemometer:	RM Young	05305VK	129612
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	September 10, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025		
Reference Temperature (^{o}C):	7.0		
Station - Ambient Temperature (^{o}C):	6.8		
Temperature Difference (^{o}C):	0.2		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	September 10, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 24,2025		
Reference Pressure - Units/Reading:	millibar	929	
Station Pressure - Units/Reading:	millibar	930	
Pressure Tolerance +/- 15% of error:	790 - 1068	-0.11%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	September 10, 2024		
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025		
Reference Hygrometer % RH- Reading:	51.60		
Station Hygrometer % RH- Reading:	52.20		
RH Tolerance +/- 15% of difference:	43.86 - 59.34	-1.2%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	September 10, 2024	Previous check date:	September 10, 2024
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	9.2	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass
Comments			
No issues.			

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	PRC Compliance	**Reviewed By:**	Limin Li
Audit Date:	September 10, 2024	**Start/End Time (mst):**	08:15 - 10:37
Calibration Purpose:	routine annual	**Weather Conditions:**	Sunny

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	0-1
Sensor Model:	05305VK	**Velocity Unit Output Range:**	0-200
Serial #:	129612	**Direction Voltage Output Range:**	0-1
Previous Cal/Audit Date:	August 3, 2024	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

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

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

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.1	0.1	-
1000	18.4	18.4	18.5	0.999
2000	36.9	36.9	37.0	0.998
3000	55.3	55.4	55.4	0.998
4000	73.7	73.9	73.8	0.998
5000	92.2	92.4	92.2	0.998
6000	110.6	110.9	110.9	0.997
7000	129.0	129.4	129.5	0.997
8000	147.4	148.1	147.9	0.996
9000	165.9	166.7	166.7	0.995
10000	184.3	185.4	185.4	0.994
		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	31	329	-1.0	1.0	1.0
60	300	62	300	-2.0	0.0	1.0
90	270	93	270	-3.0	0.0	1.5
120	240	122	242	-2.0	-2.0	2.0
150	210	152	213	-2.0	-3.0	2.5
180	180	183	182	-3.0	-2.0	2.5
210	150	212	152	-2.0	-2.0	2.0
240	120	241	122	-1.0	-2.0	1.5
270	90	270	91	0.0	-1.0	0.5
300	60	300	61	0.0	-1.0	0.5
330	30	329	30	1.0	0.0	0.5
355	0	353	2	2.0	2.0	2.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.4**

Comments:

Declination = 15 deg East
Physical inspection completed, bearings replaced

END OF REPORT

List of SOPs

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

Peace River Area Monitoring Program

OCTOBER 2024

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202410-INTEGRATED

November 21, 2024

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

November 21, 2024

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

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

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

The representative of the Person Responsible for this monitoring program is

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

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

NETWORK STATION SUMMARY

Listing of Integrated Sampling Stations

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

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

Listing of Passives: 1-Month Exposure Sampling Sites

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

List of Contractors who performed the air monitoring activities

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

Monitoring Notes during the Month of OCTOBER 2024

- **NMHC Canister Sampling Program - Volatile Organic Compounds (VOCs)**
  - The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
  - There were no valid canister events recorded this month. The canister event triggered at the 842-B station on October 4 at 01:00 was not valid. The system was triggered when the analyzer had bad injections.

- **Passive Polycyclic Aromatic Compounds (PACs) Sampling Program**
  - The PAC sampling program began in November 2019, and is designed to collect a 2-month integrated sample.
  - The sample media for sampling period of September and October were installed on September 3. They were removed on October 31.
  - The sample media for sampling period of November and December were installed on October 31. They are scheduled to be removed by the end of December.
  -

- **Passives H_2S and SO_2 Sampling Program**
  - There were no exceedances of the AAAQOs for all monitored parameters at any of the passive stations during this month.
  - The passive sample filters were installed at the stations on October 1 and were removed on November 1.
  - The SO2 sample media at location #4 for the sample period of September 2024 was not collected during last month's sample collection. The media was collected this month, with an analytical result of 0.3 ppb. This value represents the concentration for both September and October 2024.

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

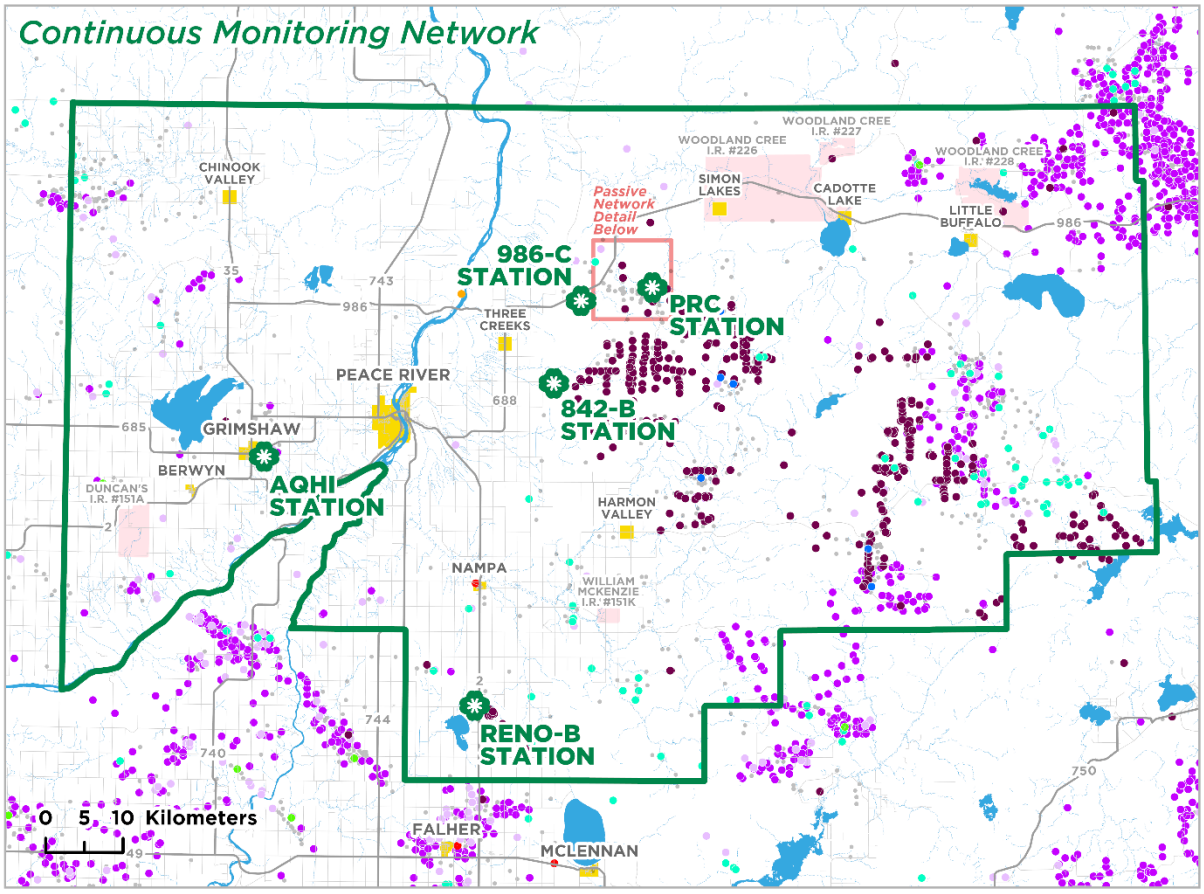
The report was reviewed by Mike Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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

November 21, 2024

Map of PRAMP Continuous Monitoring and Integrated Sampling Network

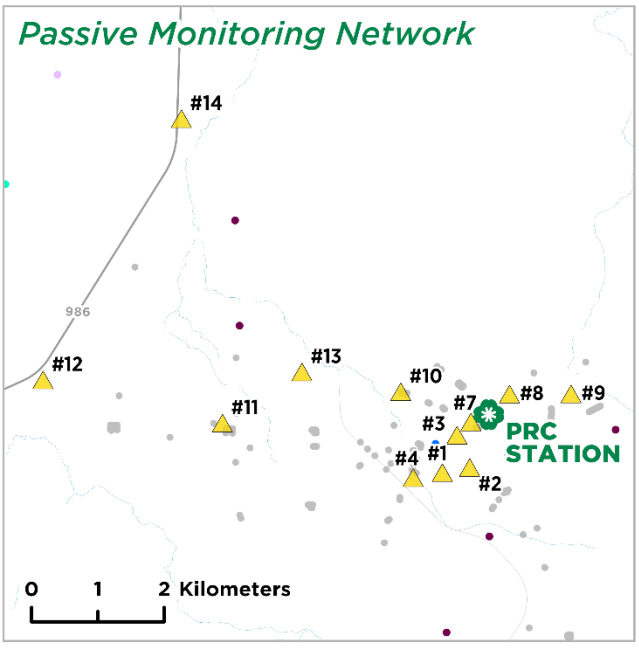


Legend

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

Industrial Facilities

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



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

INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

  None to report

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	0.04	#14	0.1	#1
Maximum (ppb)	0.17	#4	0.2	#2
Average (ppb)	0.08	-	0.14	-

Note: The SO2 sample media at location #4 for the sample period of September 2024 was not collected during last month's sample collection. The media was collected this month, with an analytical result of 0.3 ppb. This value represents the concentration for both September and October 2024.

ANALYTICAL SAMPLING RESULTS

Passives

PEACE RIVER AREA MONITORING PROGRAM

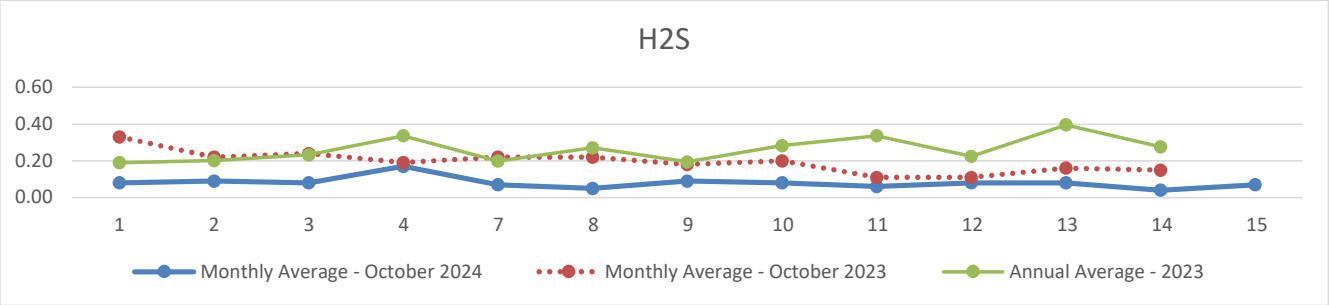
PRC Site - October 2024

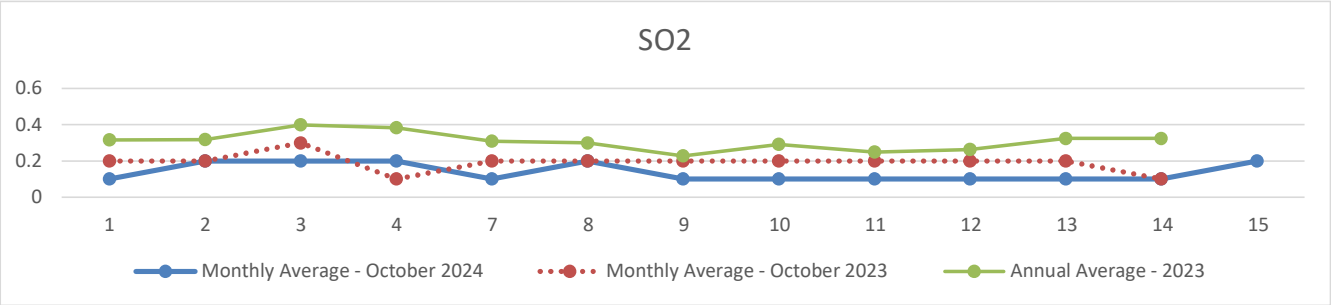
Passive Results

	H_2S		SO_2	
Minimum (ppb)	0.04	#14	0.1	#1
Maximum (ppb)	0.17	#4	0.2	#2
Average (ppb)	0.08	-	0.14	-

No.	Calculated Value	Calculated Value
1	0.08	0.1
2	0.09	0.2
3	0.08	0.2
4	0.17	0.2
7	0.07	0.1
8	0.05	0.2
9	0.09	0.1
10	0.08	0.1
11	0.06	0.1
12	0.08	0.1
13	0.08	0.1
14	0.04	0.1
15	0.07	0.2
Reportable Detection Limit (RDL)	**0.02**	**0.1**

Note: The SO2 sample media at location #4 for the sample period of September 2024 was not collected during last month's sample collection. The media was collected this month, with an analytical result of 0.3 ppb. This value represents the concentration for both September and October 2024.





End of Report

Peace River Area Monitoring Program

OCTOBER 2024

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202410

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

November 21, 2024

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Passive Sampling Analytical Results

6744 - 50 St. Edmonton AB Canada T6B 3M9

Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Bureau Veritas Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Invoice To	
Company Name	Peace River Area Monitoring
Contact Name	Brenda Barber / Karla Reesor
Address	Suite 91, 305-4625 Varsity Drive NW
City/Postal Code	Calgary, T3A 0Z9
Phone/Fax#	##

Report To	
Name & Email Address	Michael and Lily
	pramptech@prampairshed.ca

Service Requested

☐ RUSH (Please contact for TAT)

☐ REGULAR

Company Name: Peace River

Project Name/LSD: Passive monitoring Program

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	01/10/24	8:00	01/11/24	8:00		X	X											
2	↓	↓	↓	↓		X	X											
3						X	X											
4						X	X											
7						X	X											
8						X	X											
9						X	X											
10						X	X											
11						X	X											
12						X	X											
13						X	X											
14		↓		✓		X	X											
15		10:00			11:00	X	X											
Blank						X	X											
Blank	↓					X	X											

Notes/Comments: Client 12521 / Scenario 18009

Sampled By: Bo Guerin — Phone/Email: 618 1880 — Received By: Bo Guerin — Date/Time: Oct. 1. 24 — Project #:

Date Shipped: Nov. 1. 24 — Signature: — PO#:

PTC FCD-00457/4

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions.

H2S - 15

SO2 - 15

DME

Your Project #: 2024/10/01-2024/11/01
Site Location: PEACE RIVER COMPLEX

Attention: Michael and Lily

Peace River Area Monitoring Program Committee
Three Creeks
Suite 91, 305 –
4625 Varsity Drive NW
Calgary, AB
CANADA T3A0Z9

Report Date: 2024/11/18
Report #: R3588439
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C489823
Received: 2024/11/05, 12:29

Sample Matrix: Air
Samples Received: 14

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	13	2024/11/14	2024/11/15	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	13	2024/11/07	2024/11/15	PTC SOP-00149	Passive SO2 in ATM
SO2 Passive Analysis	1	2024/11/08	2024/11/15	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 Manager
18 Nov 2024 14:34:21

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

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Branko Banjac, General Manager responsible for Alberta Petroleum laboratory operations.

Bureau Veritas Edmonton: 6744 - 50th Street, T6B 3N7 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C489823
Report Date: 2024/11/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/10/01-2024/11/01
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		CZO736	CZO737	CZO738	CZO739			CZU711		
Sampling Date		2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00			2024/08/30 07:00		
	UNITS	1	2	3	4	RDL	QC Batch	4-SEPTEMBER	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.08	0.09	0.08	0.17	0.02	B605686			
Calculated SO2	ppb	0.1	0.2	0.2	0.2	0.1	B598301	0.3	0.1	B598301
RDL = Reportable Detection Limit										

Bureau Veritas ID		CZO740	CZO741	CZO742	CZO743	CZO744	CZO745	CZO746		
Sampling Date		2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 08:00		
	UNITS	7	8	9	10	11	12	13	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.07	0.05	0.09	0.08	0.06	0.08	0.08	0.02	B605686
Calculated SO2	ppb	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	B598301
RDL = Reportable Detection Limit										

Bureau Veritas ID		CZO753	CZO762		
Sampling Date		2024/10/01 08:00	2024/10/01 10:00		
	UNITS	14	15	RDL	QC Batch
Passive Monitoring					
Calculated H2S	ppb	0.04	0.07	0.02	B605686
Calculated SO2	ppb	0.1	0.2	0.1	B598301
RDL = Reportable Detection Limit					

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GENERAL COMMENTS

Sample CZU711 [4-SEPTEMBER] : Sample CZU711 for SO2 parameter was sampling for 2 months. --YL6 20241113

Results relate only to the items tested.

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Bureau Veritas Job #: C489823
Report Date: 2024/11/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/10/01-2024/11/01
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B598301	OZ	Spiked Blank	Calculated SO2			101	%	90 - 110
B598301	OZ	Method Blank	Calculated SO2		<0.1		ppb	
B605686	YYA	Spiked Blank	Calculated H2S			101	%	90 - 110

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Job #: C489823
Report Date: 2024/11/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/10/01-2024/11/01
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

Yang Liu, Laboratory Supervisor

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Branko Banjac, General Manager responsible for Alberta Petroleum laboratory operations.

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End of Report